

electronics

MID-MONTH
JUNE 1949

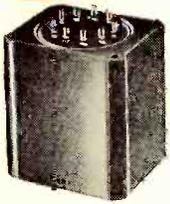
Annual
**BUYERS'
GUIDE
ISSUE**
and
MATERIALS SECTION

PRICE • TWO DOLLARS

A MCGRAW-HILL PUBLICATION • 330 WEST 42nd ST. • NEW YORK 18, N. Y.



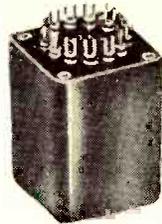
COMPONENTS FOR EVERY APPLICATION



LINEAR STANDARD
High Fidelity Ideal



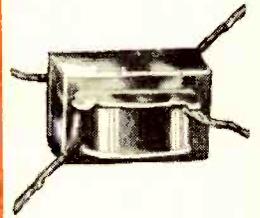
HIPERM ALLOY
High Fidelity . . . Compact



ULTRA COMPACT
Portable . . . High Fidelity



OUNCER
Wide Range . . . 1 ounce



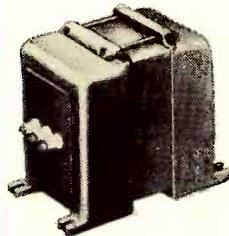
SUB OUNCER
Weight 1/3 ounce



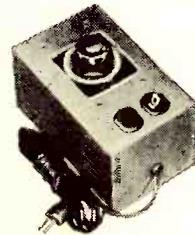
COMMERCIAL GRADE
Industrial Dependability



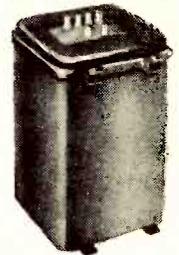
SPECIAL SERIES
Quality for the "Ham"



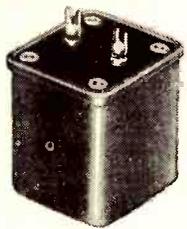
POWER COMPONENTS
Rugged . . . Dependable



VARITRAN
Voltage Adjustors



MODULATION UNITS
One watt to 100KW



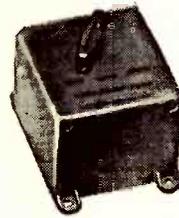
VARIABLE INDUCTOR
Adjust like a Trimmer



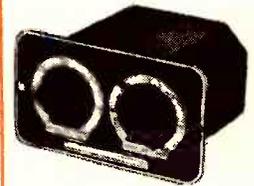
TOROID HIGH Q COILS
Accuracy . . . Stability



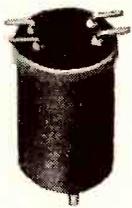
TOROID FILTERS
Any type to 300KC



MU-CORE FILTERS
Any type 1/2 - 10,000 cyc.



EQUALIZERS
Broadcast & Sound



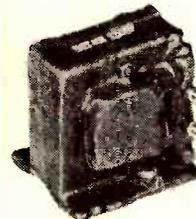
PULSE TRANSFORMERS
For all Services



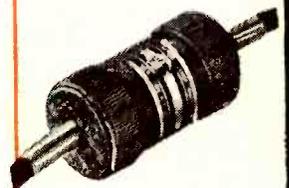
HERMETIC COMPONENTS
Ceramic Terminals



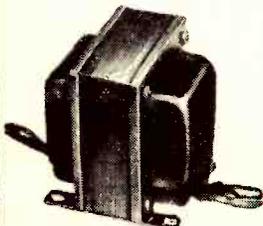
PLUG IN ADAPTER
Impedance Matching



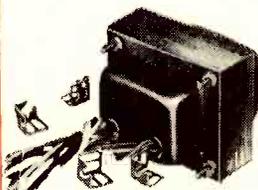
FOSTERITE
Grade 3 JAN Components



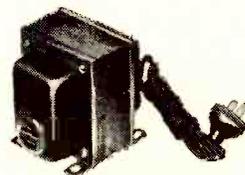
CABLE TYPE
For mike cable line



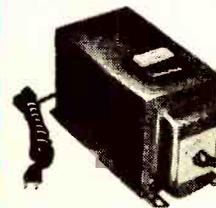
VERTICAL SHELLS
Musky . . . Inexpensive



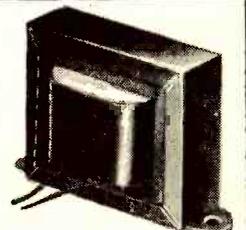
REPLACEMENT
Universal Mounting



STEP-DOWN
Up to 2500W . . . Stock



LINE ADJUSTORS
Match any line voltage



CHANNEL FRAME
Simple . . . Low cost

United Transformer Co.
150 VARICK STREET NEW YORK 13, N. Y.

EXPORT DIVISION: 13 EAST 40th STREET, NEW YORK 16, N. Y. CABLES: "ARLAB"

electronics BUYERS' GUIDE

JUNE MID-MONTH • 1949

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FOREWORD

This is *your* Buyers' Guide—its contents and format determined by extensive survey among the subscribers to ELECTRONICS.

It is an *extra*—a bonus edition designed for service at your elbow throughout the next twelve months.

In it we are publishing the most complete directory, as to diversity of products, which has yet been presented.

In addition we have done an earnest job of preparing editorial reference material designed to help you repeatedly in your work.

Many advertisers have seen fit to utilize these pages to describe and catalog their products. It is our hope that this combination of buying-source listings, product advertising and reference material constitutes a service which will further strengthen our position with you, the subscriber.

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GENERAL ELECTRIC

ELECTRONIC RESEARCH, ENGINEERING & MAINTENANCE EQUIPMENT



TYPE YPD-2
REGULATED POWER SUPPLY

This G-E Regulated Power Supply is a superior quality, medium power, electronically regulated unit designed for use in laboratories, broadcast stations, and wherever a closely regulated d-c voltage of low ripple content is required.

SPECIFICATIONS		OTHER UNITS AVAILABLE	
DC Voltage Output	250-450 v	• YPD-4:	160-1500 v. Current: 0-125 ma.
DC Current Output	0-300 ma	• PS-4:	Dual power supply, each unit supplying 250-400 v. Current: 0-400 ma max.
		• 4ST1A1:	180-300 v. Current: 0-60 ma.



TYPE YKS-1
RADIO FREQUENCY RESISTANCE METER

A direct-reading precision instrument for rapid, accurate measurement of RF resistance of radio components and circuits. Operates over exceptionally wide range of 50 kc to 80 mc, and from 0 to 200 ohms. Adaptable for measurement of such constants as RF resistance of ordinary coils, capacitors, transmission lines and antennas, or even complex combinations of such devices. F, C and R are read directly. Reactance and Q determined from simple nomograph.



SQUARE WAVE GENERATOR TYPE YGL-1

- Wide frequency range: 5 to 125,000 cycles.
- Output voltage 0-75 volts.
- Low output impedance.
- Rise time .3 microsecond.



CAPACITOMETER TYPE YCL-1

G-E r-f capacitometer is a convenient, self-contained unit for rapid and extremely accurate measurement of . . .

- Capacity: 0-20,000 micromicrofarads.
- Inductance: 0-10,000 microhenries.



DISTORTION AND NOISE ANALYZER TYPE YDA-1

A precision instrument designed especially for broadcast and laboratory use. Whenever information is required on distortion, audio noise, or hum, the YDA-1 will provide accurate measurement down to extremely low levels.

G-E INDUSTRIAL TEST EQUIPMENT



TYPE YNA-4

INDUSTRIAL OSCILLOSCOPE

For applications where test equipment is essential for installation and maintenance purposes. Insulated case, sturdy construction, versatile circuits with D-C amplifiers, and good magnetic shielding recommend this oscilloscope for use in industrial and educational laboratories and for production testing.

INDUSTRIAL TUBE ANALYZER

This portable equipment is designed so that non-technical personnel can quickly and efficiently determine the performance of mercury vapor and gas rectifier tubes by measuring the arc drop voltage under load. The periodic testing of rectifier tubes can help prevent equipment failure and loss of operating time.



TYPE YTW-3

TYPE ST-2A
OSCILLOSCOPE



TYPE ST-2A — A new, general purpose oscilloscope. Wide frequency response—from DC to 500 kc, and with gradually reducing response to higher frequencies. High sensitivity. Sturdy construction. Voltage calibrator, Z-axis input, and DC input coupling to both amplifiers.

Send for This

FREE CATALOG!

G-E NUCLEONICS EQUIPMENT



BINARY SCALER
TYPE 4SN1A1

Provides scale of two in self-contained unit that cuts installation and maintenance to a minimum. Permits flexible installations for industrial counting, interval timing, repeat cycling, photographic printing.

- High Speed . . . Up to 200 KC
- Adequate Resolution . . . 5 microseconds



DECADE SCALING UNIT
TYPE YYZ-1

For High-Speed Counting

- Continuous counting rate up to 5 million counts per second.
- Direct reading with decimal indication.
- Two scales of ten for separate or cascade operation.

TYPE 4SN3A1

POCKET CHAMBER ELECTROMETER



An extremely high-quality, self-balancing electrostatic potentiometer. A standard 3-inch meter provides direct measurement in two ranges—50 and 250 mr for rapid, accurate reading of "pencil" type pocket ionization chambers.



Complete specifications, descriptions, charts and photographs of G-E electronic test equipment, quartz and germanium crystals. Write: General Electric Company, Specialty Division, Electronics Park, Syracuse, New York.

WRITE G-E SPECIALTY DIV., ELECTRONICS PARK, SYRACUSE N. Y., for Complete Details or Bulletins

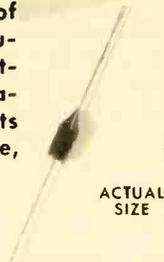
GENERAL ELECTRIC

G-E WELDED GERMANIUM DIODES

FOUR TYPES of electronic rectifiers of interest to initial equipment manufacturers, servicemen, experimenters, hams. The G-E Welded Germanium Diode replaces such elements as 6H6, 6AL5 tubes, copper oxide, selenium, and silicon rectifiers.

WELDED CONTACT LOW SHUNT CAPACITY INSULATING CASE

1. **WELDED CONTACT** provides greater shock resistance, improved electrical stability.
2. **LOW SHUNT CAPACITY:** .8 mmfd. max. for all types.
3. **INSULATING CASE** simplifies mounting. Mechanically sturdy.
4. **SMALL SIZE** for "close fits." Needs no more space than a 1/4 watt resistor.
5. **LONG LIFE:** an estimated minimum average life of 10,000 hours.
6. **NO HUM** — no heater connections — no heating power — no heat.
7. **IMPROVED RECTIFICATION CHARACTERISTICS** — Has much sharper bend in current/voltage curve than Thermionic Tube.



ACTUAL SIZE

ELECTRICAL CHARACTERISTICS—(at 25° C.)

DESIGNATION		MAX. INVERSE CURRENT (M.A.) AT -50V	MIN. FORWARD CURRENT (M.A.) AT +1V	MAX. SHUNT CAPACITANCE (MMFD)
RMA	G.E.			
IN51	G5C	1.667	2.5	0.8
IN48	G5	.833	4.0	0.8
IN52	G5D	.15	4.0	0.8
IN63	G5E	.05	4.0	0.8

MAXIMUM RATINGS—(at 25° C.)

DESIGNATION		PEAK INVERSE VOLTAGE	AV. RECTIFIED CURRENT (M.A.)	PEAK RECTIFIED CURRENT (M.A.)	MAX. SURGE CURRENT FOR 1 SEC. (M.A.)	AMBIENT TEMPERATURE RANGE
RMA	G.E.					
IN51	G5C	50	25	100	300	-50 to +80° C.
IN48	G5	85	50	150	400	-50 to +80° C.
IN52	G5D	85	50	150	400	-50 to +80° C.
IN63	G5E	125	50	150	400	-50 to +80° C.

For complete information, see your local G-E representative, or write: General Electric Company, Specialty Division, Electronics Park, Syracuse, N. Y.

G-E QUARTZ CRYSTAL UNITS

G-E METAL SHELL (Hermetically Sealed) SERIES: For use where long life, under severe atmospheric conditions, is essential. Four shell sizes are used: 6J5, 6N7, 6L6, 6L6 (cut off). Wherever space conditions permit, the metal tube type of crystal is recommended.

G-E PLASTIC CASES — To withstand atmospheric conditions less severe than those encountered by metal tube types. Space requirements are less, and, wherever practical, pin diameters correspond to octal bases.

METHOD OF MOUNTING CRYSTAL PLATE — Quartz crystals are usually mounted in one of four ways: pressure mounting, free air gap mounting, edge spring mounting, wire mounting. General Electric is prepared to supply the type of mounting best suited to your requirements. Complete details available in the G-E Quartz Crystals Catalog, available on request.

G-E THERMOCELL CRYSTAL UNITS FOR PRECISE FREQUENCY CONTROL

Exclusively G-E, Thermocell units are of metal vacuum-tube type construction and therefore truly hermetically sealed. Four types are available:

- G308 — for standard AM broadcast use
- G31 — for short-wave broadcast use
- G63 — for FM station transmitters
- G66 — for FM car transmitters



FEATURES

- Hermetically sealed
- Standard octal base
- Built to last — no organic materials
- Sturdy bi-metallic strip for less chatter
- Extremely high temperature stability
- Heaters wound for 6.3 volt operation
- Low heat loss
- Short warm-up time
- Neat appearance

CAT. 32C401-G64A

This is one of a variety of G-E Quartz Crystals and is designed for operation on fundamental, third, and fifth overtones.



FREQ. TOL. AT REF. TEMP.

5-12 M.C.	±.002%
12-50 M.C.	±.003%
50-75 M.C.	±.005%

TEMP. COEFF. PER °C.

5-12 M.C.	.00005% per °C. or less
12-50 M.C.	.0001% per °C. or less
50-75 M.C.	.0002% per °C. or less

LARGE CONTRACT USERS OF CRYSTALS

GOVERNMENT AGENCIES

MANUFACTURERS OF ELECTRONIC EQUIPMENT

The Specialty Division, General Electric Company, devotes the majority of its crystal manufacturing facilities to large production runs of crystals. We will appreciate an opportunity to quote on your requirements.

WRITE G-E SPECIALTY DIV., ELECTRONICS PARK, SYRACUSE, N. Y., For Complete Details or Bulletins

DEFLECTION YOKE

77J2 and 77J6

*Provides efficient magnetic deflection of direct-view picture tubes of all sizes from Type 8AP4 to Type 16AP4.

***Electrical Ratings:**

Inductance (1000 Cycles, app.) 8.6 Mh (horizontal), 46 Mh (vertical). Resistance (app.) 18 Ohms (horizontal), 60 Ohms (vertical).

WIDTH/LINEARITY CONTROL 77J4

*Same coil may be used as either a horizontal size or linearity control.

***Electrical Ratings:**

Induction Range (app.)—
4-27 Mh
Resistance (app.)—30 Ohms

COMPONENT PARTS

Electronics Park, Syracuse, New York

G-E TELEVISION COMPONENTS

G-E Television Components feature Focus-Deflection Assembly, Horizontal Output Transformer and Ion Trap. These G-E Television Components, the result of eleven years of research and experimentation, play a vitally important part in providing clearly-focused, precise television reception.

FOCUS COIL 77J3

*Combines effects of an Alnico 6 permanent magnet and an electromagnet to provide focus with a minimum of circuit energy.

TYPICAL OPERATION CONDITIONS

Focus Coil Part No.	Tube Type	Anode Voltage	Position	Focus Current	Res.
77J3-1	10FP4	11KV	Center of Axial Slot on Deflection Yoke Bracket	30 Ma.	1300
77J3-2	12KP4	11KV		30 Ma.	1300
77J3-2	16AP4	13KV		40 Ma.	1300
77J3-3	16AP4	13KV		180 Ma.	55
77J7	10FP4	8KV		30 Ma.	960

ION TRAP

*Two Types: Single Magnet, Double Magnet.

*Outstanding Feature: Can be clamped over tube neck. No need to slide over tube base.

HORIZONTAL SWEEP TRANSFORMER

77J1

*Operates efficiently with direct view picture tubes of all sizes from the Type 8AP4 to Type 16AP4.

*Performance makes possible 60° deflection with 13 KV useable high voltage output when driven by a single 6BG6-G (350 V.B+) in recommended circuits.

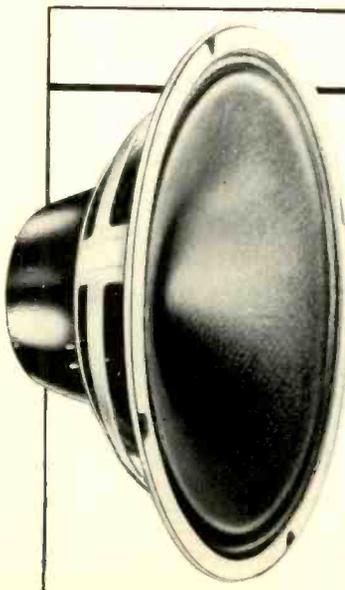


G-E VARIABLE RELUCTANCE PICKUP

Available in leading makes of record changers. Carefully designed to provide the highest quality reproduction. The various features include . . .

NEGLECTIBLE NEEDLE TALK • LOW NEEDLE SCRATCH
LOW DISTORTION • LOW RECORD WEAR
LOW MECHANICAL IMPEDANCE
UNAFFECTED BY CLIMATIC CHANGES
IN TEMPERATURE OR HUMIDITY
HIGH COMPLIANCE OF THE STYLUS ASSEMBLY

G-E SPEAKERS With aluminum foil base voice coils and Alnico 5 SPEAKER CHARACTERISTICS



Catalog No.	Cone Size (Inches)	Alnico V Mag. Wt. (Ounces)	VC Imp. (Ohms)	VC Dia. (Inches)	Max. Power (Watts)
S-400D	4	1.3	3.2	9/16	4
S-401D	4	1.92	3.2	9/16	4
S-402D	4	1.0	3.2	9/16	4
S-403D	4	.68	3.2	9/16	4
S-500D	5	1.3	3.2	9/16	4
S-503D	5	.68	3.2	9/16	4
S-525D	5 1/4	1.3	3.2	9/16	4
S-526D	5 1/4	1.0	3.2	9/16	4
S-527D	5 1/4	.68	3.2	9/16	4
S-535D	5 1/4	2.98	3.2	3/4	8
S-545D	5 1/4	1.92	3.2	9/16	4
S-625D	6 1/2	1.3	3.2	9/16	4
S-626D	6 1/2	1.0	3.2	9/16	4
S-627D	6 1/2	.68	3.2	9/16	4
S-650D	6 1/2	2.98	3.2	3/4	8
S-651D	6 1/2	2.15	3.2	3/4	8
S-652D	6 1/2	1.47	3.2	3/4	8
S-700D	6x9	2.98	3.2	3/4	8
S-702D	6x9	2.15	3.2	3/4	8
S-703D	6x9	1.47	3.2	3/4	8

Catalog No.	Cone Size (Inches)	Alnico V Mag. Wt. (Ounces)	VC Imp. (Ohms)	VC Dia. (Inches)	Max. Power (Watts)
S-800D	8	2.98	3.2	3/4	8
S-802D	8	2.15	3.2	3/4	8
S-803D	8	1.47	3.2	3/4	8
S-810D	8	6.8	3.2	1	12
S-811D	8	4.64	3.2	1	12
S-812D	8	3.16	3.2	1	12
S-818D	8	6.8	8	1	12
S-1000D	10	6.8	3.2	1	12
S-1001D	10	14.5	8	1 1/4	25
S-1003D	10	9.0	8	1 1/4	25
S-1011D	10	4.64	3.2	1	12
S-1012D	10	3.16	3.2	1	12
S-1018D	10	6.8	8	1	12
S-1200D	12	6.8	3.2	1	12
S-1201D	12	14.5	8	1 1/4	25
S-1203D	12	9.0	8	1 1/4	25
S-1211D	12	4.64	3.2	1	12
S-1212D	12	3.16	3.2	1	12
S-1218D	12	6.8	8	1	12

GENERAL ELECTRIC

G-E CAPACITORS

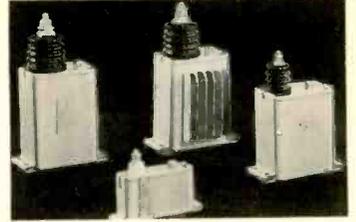


A-C CAPACITORS

Small a-c Pyranol capacitors are recommended for use with motors, industrial control, specialty transformers, and other equipment. Use of Pyranol as a treating material, because of its high dielectric strength, high permittivity, and exceptional stability, has made possible a marked reduction in physical size, as well as a far superior capacitor. Three styles of mounting brackets are available and supplied separate from the units. Units may be operated in any position. Write for Bulletin GEA-2027.

HIGH FREQ. CAPACITORS

High frequency paper-dielectric capacitors are designed for grid and plate blocking service in the electronic oscillator circuits of high-frequency induction heating equipments. They may also be used advantageously in other high-frequency oscillator circuits of a similar nature. Write for Bulletin GEA-4388.

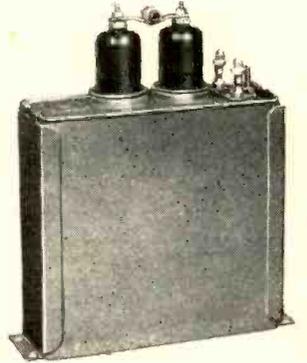


STANDARD RATINGS

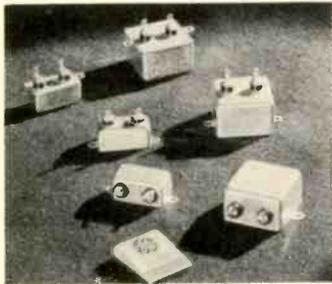
Microfarad rating	D-C voltage rating
.01	5000
	15,000
	20,000

HFP CAPACITORS

These high-frequency, liquid-filled, parallel-plate capacitors have been specifically designed for use in the resonant circuit of high-frequency electronic oscillators, such as those used in electronic heater applications. They may be operated at relatively high voltages and will carry heavy currents continuously at frequencies of 50 kilocycles to several megacycles. Write for Bulletin GEA-4365.



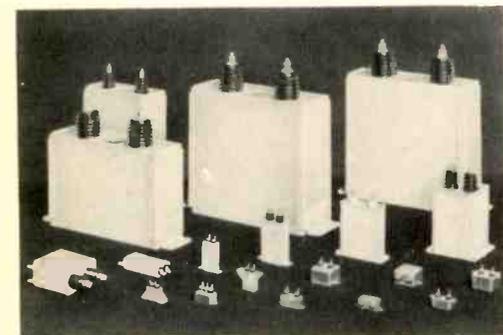
STANDARD RATINGS				
Rated Voltage 60 cycle	CASE STYLES		Drawn cylindrical	Drawn oval
	Fabricated rectangular	Drawn rectangular		
236	1-20 muf	14.5	.....	2-15
275	.....	14.5, 17.5	.....	.....
330	1-50 muf	.....	1.25-12 muf	2-4.5
440	1-28 muf	10 muf	.....	2-4
660	1-15 muf	.....	1.75, 1.85	1.75



D-C CAPACITORS

These Pyranol capacitors are designed for commercial electronic applications, ranging from the small units for blocking and by-pass service to large-capacitance units for power supply filters, and high-voltage units for use in heavy duty X-ray equipment. Write for Bulletin GEA-2621.

STANDARD RATINGS		
Case style	Voltage	Capacitance
50, 51, 52	100-1000	0.5-4 muf
60, 62, 64	400-1000	1.0-2 muf
66, 68	600-1000	0.1-1 muf
70	400-100,000	0.1-75 muf



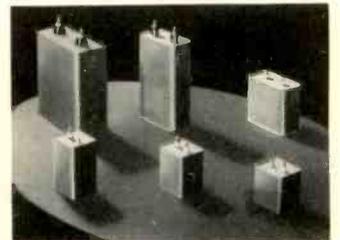
JAN-C-25 SPECIFICATIONS

Intended primarily for filter, by-pass and blocking purposes, these capacitors are for use in equipment required by the armed forces. The specification qualifies these units for applications where the a-c component of the impressed voltage is small with respect to the d-c rating. Write for Bulletin GEA-4357.

STANDARD RATINGS		
Case styles	Voltage	Capacitance
CP53, -54, -55	100-1000	.05-4 muf
CP61, -63, -65	400-1500	.01-1 muf
CP-70	600-12500	0.1-15 muf

STANDARD RATINGS

Max. permissible RMS working volts	Microfarad rating	Max. permissible RMS working current in amp. at 540 kc
2000	.025	170
	.030	204
	.034	230
2500	.020	170
	.0165	168
3000	.010	180
5900	.0085	170
6000	.0067	137
	.010	204
6600	.0085	190
	.0050	133
7800	.0056	149
	.0045	127
8300	.0045	127
	.0050	153
9000	.0056	171
	.0035	107
	.0045	153
10000	.0045	153

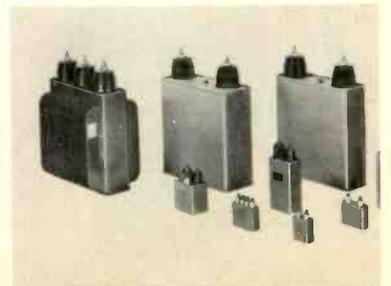


ENERGY STORAGE AND DISCHARGE

These d-c Pyranol capacitors for phototube and similar light-duty energy storage applications are the result of years of experience in the design and manufacture of capacitors for this type of service. They are relatively light weight, small, stable capacitor having a life consistent with the application involved. Write for Bulletin GEA-4646.

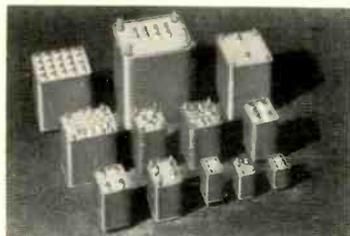
PULSE-FORMING NETWORKS

These capacitor pulse-forming networks, type E, are for applications in radar and industrial equipment where the normal (exponential) capacitor discharge shape is not suitable and where an impulse having a definite energy content and duration is required. Write for Bulletin GEA-4996.

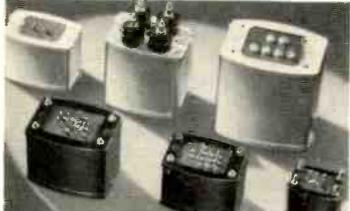


GENERAL ELECTRIC

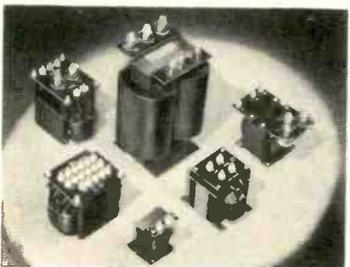
G-E SPECIALTY TRANSFORMERS FOR ELECTRONIC EQUIPMENT



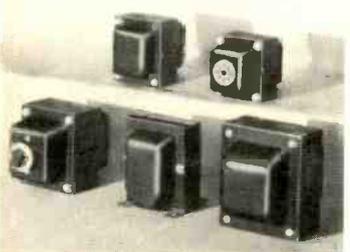
Hermetically sealed transformers



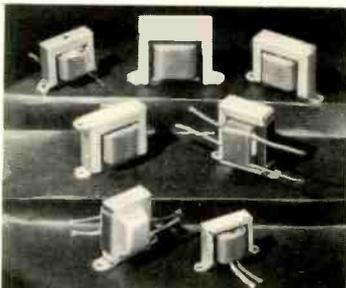
Compound-filled units



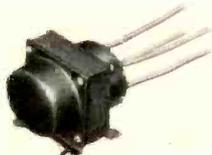
Loose core-and-coil type units



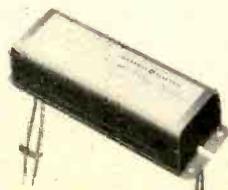
Radio receiver power transformers



Output transformers and filter chokes



Core-and-coil control transformer



Automatic voltage stabilizer

COMPOUND-FILLED Particularly suitable for applications where moisture or humidity is excessive. For such applications, they are far superior to core-and-coil units. If immersion-proof unit is not required, they are more economical than hermetically sealed transformers. They have wide application in the electronics field, such as in frequency-modulation, carrier-current, and speech-input equipment. An especially useful feature is the universal mounting—the units can be top or bottom mounted for open or underdeck wiring.

CORE AND COIL Usually applied where moisture resistance is not an important factor, and where size and weight must be kept to a minimum. Composed of automatically wound coils imposed on finest-grade silicon steel core laminations, they are the same uniform, high quality as our encased transformers. Made to exacting tolerances to provide excellent electrical characteristics. Terminal boards top or bottom mounted, or with leads, and with mounting studs or brackets to meet special requirements.

HERMETICALLY SEALED Protected, internally, from the effects of changing atmospheric pressure, and insulation breakdown due to humidity, and, externally, from corrosion caused by salt-water vapor. Withstands successfully the rigorous salt-water immersion and salt-water spray tests as specified by the Signal Corps, the Air Forces and the Navy. The hermetically-sealed units are specified as standard iron-core components for such apparatus as aircraft receivers and transmitters, UHF equipments, and landing-boat receivers. Furnished with terminals and mounting studs located either on the top or bottom.

PERMAFIL TYPE For electronic applications. They utilize a special core-and-coil construction which permits size and weight advantage comparable to, and in many instances, better than conventional core-and-coil unit. Completely protected by a tough coating of Permafil (a synthetic resin developed by G-E) which makes them moisture-proof. Particularly adaptable to aircraft use where size and weight requirements are extremely critical.

PLATE TRANSFORMERS (Single Phase—Three Phase)

Single-phase plate transformers are available in 4 different types of construction to meet virtually any application, commercial or military. Available in the popular, compact core-and-coil and Permafil units. The latter have size and weight advantages of the core-and-coil units and, in addition, they are moisture resistant to a degree second only to the hermetically-sealed transformers. Many of the Permafil units are equipped with electrostatic shields. Variations of these transformers in electrical characteristics can be furnished to meet special applications. Three-phase plate transformers designed for use in applications which require large amounts of power with a relatively small filter section from a high-voltage source. They are of core-and-coil construction, solidly and compactly built for years of reliable service. Terminal boards are mounted on top of the units.

FILAMENT TRANSFORMERS

These transformers are generally used as components of transmitters and carrier-current equipment, especially in applications which require a high degree of resistance to moisture or humidity. They were widely used throughout the armed forces. The hermetically-sealed transformers (they are designed in two types) are moisture-proof and immersion-proof, while the compound-filled units are highly resistant to moisture but not immersion-proof.

FILAMENT TRANSFORMERS High-Reactance Unit

High-reactance type designed to protect filaments of tubes used in transmitters, induction heaters and allied equipment during the critical warming-up period. Units rated 50/60 cycles, when operated on 50 cycles, will limit cold-filament starting current to 150% of rated, and somewhat less than 150% when operated on 60 cycles. Those rated 60 cycles only limit cold-filament starting current to 150% of rated. When filaments reach normal operating temperature, current is automatically limited to rated value of transformer.

PLATE AND FILAMENT TRANSFORMERS

In 3 types of construction—Permafil Units, Compound-filled Units, Hermetically Sealed Units—are typical of transformers which G-E is currently designing and building. A fourth type, conventional core-and-coil transformers, have been designed for highly specialized applications. However, units of this type can be designed for virtually any standard application. Compound-filled transformers are highly resistant to moisture and humidity but are not immersion-proof; the Permafil units offer the size and weight advantages of the core-and-coil units and, in addition, are moisture-resistant to a degree second only to the hermetically-sealed transformers; the latter are moisture-proof and immersion-proof.

ARC-BACK INDICATORS

Designed for use with tube rectifiers to indicate a reversal of direct current. Has a high-potential value of 31,000 v, requires 21 to 29 amp d-c to trip indicator, and operates on 75 amp d-c continuous.

FILTER REACTORS

Compound-filled filter reactors designed for first-stage choke input filter systems. Their rated inductance is correct at approximately 120 v, 60 cycles at the rated d-c amp. All others are designed for second-stage filter systems. Their rated inductance is correct at approx. 10 v, 60 cycles at the rated d-c amp. Generally used in applications where a high degree of resistance to moisture is required. They are not immersion-proof.

CONTROL AND SIGNAL TRANSFORMERS

Designed to supply low-voltage circuits for economical operation of many types of electronic equipment. Bulletin GEA-1397.

RADIO AND TV TRANSFORMERS

G-E receiver, power and TV transformers are available in a variety of construction types to fit individual requirements. The photograph illustrates several modifications of the conventional core-and-coil transformer with end caps. The unit shown in the lower left-hand corner is equipped with a primary tap switch for export use, that in the lower right-hand corner and top left are for subpanel mounting, the one in the center is designed for above panel mounting, while the unit in the upper right-hand corner is equipped with a built-in socket for a rectifier tube. The various types include the following: audio output transformers (for single and push-pull output tubes). Radio power transformers. D-c Filter reactors (smoothing chokes). Vertical output television transformers.

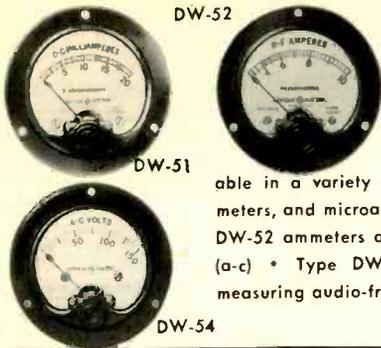
AUTOMATIC VOLTAGE STABILIZERS

The necessity of maintaining a constant-voltage supply is highly important in the operation of electronic equipment. For this purpose, General Electric builds an extensive line of automatic voltage stabilizers ranging in size from 15 va to 5000 va. Bulletin GEA-3634.

WRITE G-E APPARATUS DEPT., SCHENECTADY, N. Y. for complete details or Bulletins

GENERAL ELECTRIC

G-E ELECTRICAL INSTRUMENTS



DW-52

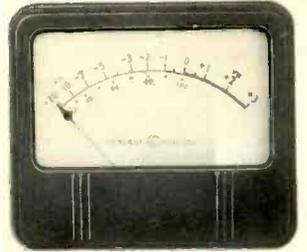
DW-51

DW-54

SMALL PANEL — 2 1/2 inch . . . General-purpose, small panel instruments for use in radio and communications equipment where compactness (particularly minimum depth behind the panel) is essential. Available in a variety of ratings: Type DW-51 voltmeters, ammeters, milliammeters, and microammeters for measuring of d-c voltage and current • Type DW-52 ammeters and milliammeters for measuring radio-frequency current (a-c) • Type DW-54 voltmeters, milliammeters and microammeters for measuring audio-frequency current (a-c).

DIRECT-CURRENT, TYPE DW-51			THERMOCOUPLE, TYPE DW-52		A-C RECTIFIER, TYPE DW-54	
TYPE	RATING RANGE	APPROX. RESIST RANGE OHMS	RATING RANGE	APPROX. RESISTANCE RANGE OHMS	RATING RANGE	APPROX. RESISTANCE RANGE OHMS
AMMETER	1 to 300 amps.	.00167 to .05	1 to 20 amps.	.012 to .29	1 to 15 ma.	100 to 660
MILLIAMMETER	1 to 500 ma.	.100 to 25	100 to 800 ma.	.48 to 6.8	1 to 15 ma.	100 to 660
MICROAMMETER	50 to 7750 ua.	51.5 to 2030	Primarily for measurement of r-f, a-c in radio or other electronic circuits. Indicates antenna current in radio transmitters; applications include television transmitters, radar, and wave meters.		200 to 750 ua.	900 to 3700
VOLTMETER	1 to 200 v.	100 to 40000			1 to 500 v.	2000 to 500000
VOLTMETER 1000 Ohms per V	1 to 800 v.	1000 to 800000			For testing equipment on electronic circuits, volume-level indicators in communications equipment.	
KILOVOLT METER	1 to 5 kv.	1000000 to 5000000				

VU VOLUME-LEVEL INDICATOR Type DO-61



A Standardized Volume-level Indicator for Radio Broadcasting, Sound Recording, and Communication Systems. In addition to possessing highly desirable characteristics for broadcast monitoring, and db measurements of loss or gain in transmission circuits and amplifiers, the instruments are recommended for use in sound recording, and for harbor craft communications and other applications where signal-level measurements are to be made.

ADVANTAGES — Standardizes measuring — makes possible better correlation between results of different observers • In many instances it permits more efficient use of facilities • Allows more effective monitoring • Motion of pointer easier to follow • Peaks easier to obtain • Reduced eyestrain as a result of long scale, simplified scale plate and contrast between colors employed, pointer construction and optimum dynamic characteristics • Accurate over wide range of frequency.



TIME METERS — Type KT For use on machine tools, radio transmitters, welding machines, etc., where it is desirable to have a record of utilization. Used on radio transmitters to indicate tube life, it matches that of other panel instruments. Available in 3 forms: panel or switchboard mountings, portable, and conduit mounting. Can be furnished to match operating characteristics of various machines and to record operating time in hours, tenths of hours, or minutes. Time meter is furnished in a molded Textolite case similar to the miniature

3 1/2 inch instrument to match and harmonize with other instruments mounted on the panel or switchboard. 2 styles available; round and square. Leads provided for easy wiring. Smaller size for panel mounting. Requires same space for mounting as small panel instruments. For permanent installation, time meter is furnished in a drawn steel case, designed for ease in mounting in any convenient conduit or junction box. For portable use, a pedestal mounting is supplied. Write for Bulletin GEA-3299.

SWITCHBOARD INSTRUMENTS — General Electric switchboard instruments include voltmeters, ammeters, wattmeters, frequency meters, power-factor meters, varmeters, synchrosopes, temperature meters, and ground detectors. Pertinent data and listings for the more common devices are presented in this publication, although instruments of other ratings and constructions are also available: for example, thermocouple types for the measurement of h-f current or rectifier types for high-sensitivity a-c measurements.

A-C TYPES	RANGE	OPERATING PRINCIPLE	CYCLES	ACCURACY
VOLTMETER	25-750 v.	Moving-iron, Inclined Coil	25-125	± 1 per cent
" TRIPLEX	150-750 v.	Moving-iron, Inclined Coil	Single Range 25-125	± 1 per cent
AMMETER	5-600 a.	Moving-iron, Inclined Coil	25-125	± 1 per cent
" TRIPLEX	5 a.	Moving-iron, Inclined Coil	Single Range 25-125	± 1 per cent
D-C TYPES				
VOLTMETER	1.5-750 v.	Perm. Magnet, Moving Coil		± 1 per cent
AMMETER	1-3000 a.	Perm. Magnet, Moving Coil		± 1 per cent
MILLIAMMETER	1-750 ma.	Perm. Magnet, Moving Coil		± 1 per cent

WATTMETERS: 25-125 cycle, a-c and d-c; Accuracy — ± 1%; Scale Length and Dimensions same as single instruments; Operating Principle — Electro-dynamometer; Single-Phase and Polyphase types.

VARMETERS: 1-phase, 2-wire; 3-phase, 3-wire; 2-phase, 3-wire; 2-phase, 4-wire; 3-phase, 4-wire; 5 amps; 120-208 v; 25 cycles to all commercial frequencies; Accuracy — ± 1%; Operating Principle — Electrodynamometer with autotransformer.

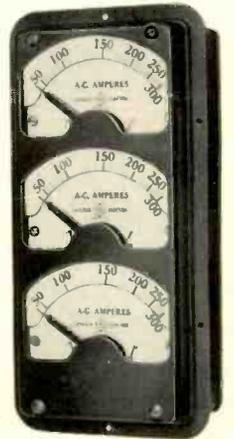
FREQUENCY METERS: 120 v; 25-400 cycles; Accuracy — 22.5-27.5 c — 0.08 c, 45-55 c — 0.15 c, 55-65 c — 0.15 c, 40-65 c — 0.25, 20-90 c — 1.00 c, 350-450 c — 1.50 c; Operating Principle — Resonant-circuit.

POWER-FACTOR METERS: Single-Phase, 2-wire, 60 cycles; 3-wire, 3-phase, 25-125 cycles; 3-wire, 2-phase, 4-wire, 2-phase, 25-125 cycles; 5 amps; 120-600 v; Accuracy — ± .01 power factor for rated current, voltage and frequency; Operating Principle — Crossed-coil.

SYNCHROSCOPES: 25 cycles with external impedor; 50 and 60 cycles, self-contained; 120 v; 360° rotation; Operating Principle — Polarized-vane.



Type AD-7 ammeter for semiflush mounting.



Type AD-12 triplex ammeter for semiflush mounting.

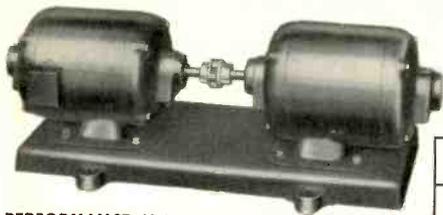
SCALE LENGTH	5 in.
SCALE LENGTH — Triplex Types	4.1 in.
DIMEN. — Surface Mounting	5 1/2 x 6 in.
Semiflush Mounting	6 1/2 x 7 in.
Triplex — Surface Mounting	5 1/2 x 12 in.
Semiflush Mounting	6 1/2 x 13 in.

ACCESSORIES: Various accessories have been designed to widen the scope of measurement of these switchboard instruments. They are adaptable to all types mentioned and include the following:

- External Shunts for D-C Ammeters
- Standard Shunt Leads
- Long Shunt Leads
- Contact Devices
- Transfer Switches

WRITE G-E APPARATUS DEPT., SCHENECTADY, N. Y. for complete details or Bulletins

GENERAL ELECTRIC



400-CYCLE MOTOR-GENERATOR SET — TWO UNIT — TWO BEARING 60-CYCLE DRIVE MOTOR — OPEN DRIPPROOF — CONTINUOUS DUTY — 40 C RISE Ball Bearing — Overbolt Construction — Separately Excited Generator — Induction Drive Motor

PERFORMANCE: Voltage regulation—5%. (Frequency varies slightly depending on speed of induction motor.)

FIELD RHEOSTAT: CR8000 6-inch single plate is recommended. Order separately from Ind. Control Div., Schenectady.

Rating — Output					Rating — Input			Model No.	Field Amp.	Field Rheostat Recommended
Kva	Rpm	Volts	Freq.	Phase	Drive Motor					
2.5	3428	230 Field/	400	3	208-220/440	60	3	5ATB75PA1	1.2	80 ohms
1.5	3428	115 Arm.	400	1							Volts	Freq.	Phase



FRACTIONAL H P MOTORS
General-purpose Capacitor-start Motors. Used for a multiplicity of general applications. Operate at 1725 rpm on 60 cycle, single-phase power. Open (dripproof) construction with sleeve bearings and solid welded-on base.

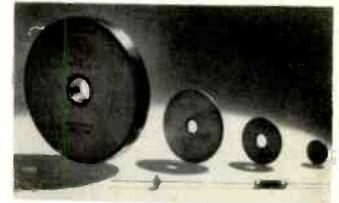
HP	Volts	Model
1/6	115	KC43AB280
1/4	115	KC45AB1400
1/3	115/230	KC47AB899
1/3	115/230	KC63AB666
3/4	115/230	KC65AB559

Polyphase motors for Machine-tool and Other Industrial Applications. Operate at 1725 rpm

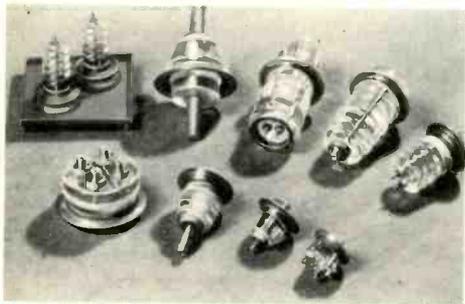
on 60 cycles, 3 phase power. Totally enclosed construction with ball bearings and bolted-on cast-iron base.

HP	Volts	Model
1/4	208-220/440	K43AC2717
1/3	208-220/440	K45AC2000
1/2	208-220/440	K63AC2528
3/4	208-220/440	K65AC179

High-frequency Motor Alternators. Highly recommended for testing equipment and source of power supply for high-frequency machines. Small and lightweight units, but sturdy and hard-working.



THYRITE* . . . A nonlinear resistance material possessing unique electrical property whereby the current varies approximately as a fourth power of the applied voltage. Some of its many applications are: For protective purposes (to limit voltage surges) • As a stabilizing influence on circuits supplied by rectifiers • As a potentiometer (the division of voltage can be made substantially independent of load current) • For the control of voltage-selective circuits, either independent of, or in combination with, electronic devices. Write for Bulletin GEA-4138A.



CAST GLASS BUSHING . . . In ratings up to the 15-kv power-transformer impulse level and for currents up to 800 amp permit the successful design of hermetically sealed electric apparatus. Heatproof, leakproof, shockproof bushings for use in vital communication and commercial application where severe operating conditions are continually encountered. Available in a wide variety of sizes and shapes in both single- and multi-conductor designs, they offer the following advantages. 1. Attached directly to apparatus, making gaskets unnecessary and providing a hermetic seal. Designers may utilize all the advantages of present-day insulating materials without fear of reduced dielectric strength caused by the entrance of moisture. 2. Make possible design of more compact, lighter-weight apparatus at lower cost for airborne and other specialized equipment uses. 3. Thermal characteristics of the glass used have been coordinated with those of the metal parts which are directly sealed into the bushing to produce strain-free seals which are capable of withstanding thermal shocks far in excess of operating conditions.

TERMINAL BOARDS . . . Where leads are brought to any part for permanent or temporary connection, especially if many wires are involved, G-E terminal boards provide a neat, compact, and convenient method for attaching the wires. Several types are available to meet the various requirements.

Type EB-1: (Fig. 1) Are 1-piece molded terminal boards with washer-head binding screws for circuit-wire connections. 4, 6, 8, and 12 pole units available. Combinations of these are used to meet specific conditions. Rated 30 amp and 600 v.

Type EB-2: (Fig. 2) Identical in form and construction, except that pressure connectors are furnished for the wire connections. These connectors are simply screwed on the stripped end of the circuit-wire and accommodate 1 No. 8 Awg stranded, 2 No. 12 Awg stranded, or 3 No. 12 Awg solid wires. Rated 30 amp and 600 v.

EB-1 (Fig. 3) with Hinged Cover: To prevent collection of dust around connections are recommended when the EB-1 or EB-2 terminal boards are mounted flat. Covers are black Textolite,* available for all sizes of boards. A boss at each end of both EB-1 and EB-2 prevents breakage when mounted on uneven surfaces, and angular construction of base provides increased creepage distance.

Type CR5885: (Fig. 4) Have sturdy, compact, multipole, 1-piece molded construction, available in 3-, 5-, 7-, and 9-pole units. Staggered arrangement of poles provides more clearance and creepage distance in less space between poles and permits installation where dust conditions are severe. Have clamp-type connectors, and end bosses for mounting on uneven surfaces. Rated 30 amp and 600 v. Write for Bulletin GEA-1497.

*Trade-Mark Reg. U. S. Pat. Off.

CALROD SOLDERING IRONS

Designed for heavy-duty industrial use, G-E Calrod soldering irons combine outstanding construction features with unmatched performance. Ironclad-copper tips and built-in Calrod heaters give fast dependable heat — permit continuous, high-speed soldering — eliminate frequent dressing and reheating. Strong 18-8 stainless steel shells withstand hard use. Simplified disassembly features permit "on-the-spot" maintenance. Write for Bulletin GEA-4519.

Cat. No.	Watts	Tip Diam. In.
6A161	75	3/8 & 1/2
6A162	100	3/8 & 1/2
6A200	100	3/4
6A201	200	1
6A202	300	1 1/4
6A318	650	1 3/4
6A319	1250	2



Fig. 1 Type EB-1



Fig. 2 Type EB-2



Fig. 3 Type EB-1



Fig. 4 Type CR5885

OTHER G-E APPARATUS DEPT. PRODUCTS

Amplidyne control	Bulletin GEA-4889
Circuit breakers	Bulletin GEA-4477
Gear-motors	Bulletin GEA-1437
Generators	Bulletin GEA-1607
Strain gages	Bulletin GEA-4226
Test sets	Bulletin GEA-4552
Thermostats	Bulletin GEA-1265
Thickness gages	Bulletin GEA-4363
Voltage stabilizers	Bulletin GEA-3634

G-E MIDGET SOLDERING IRON



Weighing only 1 1/4 ounces, this 25-watt, 6-volt, 8-in. featherweight iron is ideal for close-quarter soldering with pin-point precision. Designed for use where conventional irons might cause damage . . . be clumsy to handle . . . be more expensive to operate. The Midget literally "goes places" with greater efficiency and less power . . . with no sacrifice in heat or speed. It has chisel-shaped iron-clad copper tips, either 1/8- or 1/4-in. diam., as desired. Specially designed 115/6-volt transformers available as optional equipment.

GENERAL ELECTRIC

A-c or D-c SOLENOIDS—CR9502-9503

Industrial-type Solenoids CR9503

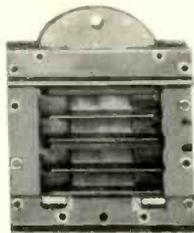
Type of Solenoid	Pounds Pull or Push		Wt. of Plunger in Lb.	Max Stroke in In.
	At 85 Per Cent Voltage	At 100 Per Cent Voltage		
Pull	0.65	0.9	0.12	3/4
Pull	0.9	1.3	.15	1
Pull	3.2	4.5	.31	1
Push	3.2	4.5	.5	1
Pull	4.0	6.0	.5	1 1/4
Push	4.0	6.0	.8	1 1/4
Pull	10.2	14	.9	1 1/4
Push	10.2	14	1.2	1 1/4
Pull	22.7	30	2.5	1 3/4
Push	22.7	30	3.3	1 3/4
Pull	21.7	30.2	3.3	2
Push	21.7	30.2	4.0	2
Pull	42	57	5	2
Push	42	57	7.0	2
Pull	51	73	10	3
Push	51	73	16	3
Pull	70	97	13	3
Push	70	97	19	3

Small, Light Duty Solenoids (110/220 Volts) CR95J2				
Pull	.10	.26	.07	1/2
Pull	2.9	3.7	.18	3/4

220 v. 60 or 50 cycles. Write for bulletins GEA-2080 (CR9503) and GEA-4897 (CR9502).

SIMPLIFY COMPLEX INSTALLATIONS: In direct or remote control requiring short powerful thrusts.

WIDE SELECTION: 32 different sizes of uniform construction available for push- or pull-type operation and for use on a-c or d-c circuits up to and including 550 volts. To push or pull in straight line, or to provide mechanical motion at a remote or inaccessible location. 2 types available: small, all welded solenoid especially designed for appliances, vending machines and trip mechanisms; and complete line of sturdy, industrial-type solenoids for heavy duty applications, available in ratings suitable for almost every application. Operate remotely from push-button station, or, automatically by limit switches, pressure switches, float switches, or other pilot circuit devices. Cut-out switches available for use with CR9503 on d-c circuits. CR9502 available only in pull form for 110-



SELSYNS CR9890



Indicating or control selsyns are a reliable, accurate, and rapid means of communication. Used successfully as indicating positions of valves, governors, bridges, turntables, dampers, etc. Very successful in servo systems where the selsyns operate to guide the action of the power units. Two types of selsyns are available—the high-accuracy type which has an accuracy of ± 1 degree and the general-purpose type which has an accuracy of ± 5 degrees. Selection can be made from a variety of sizes suited for each application. Selsyns are also available in a variety of complete indicators and transmitters. Write for Bulletins GEA-2177A and GEA-2176A.

SWITCHETTES—Unit Contact Mechanisms



Size 1 Switchette with terminals projecting from end surfaces. Also available with terminals projecting from top cover.

RATING at 50,000 ft. on 12 and 24 v a. Single-circuit forms or 2-circuit form with electrically separate circuits . . .
Size 1, 10 amp Size 2, 25 amp
b. Wire to provide single-pole, single-throw . . .
Size 1, 3.5 amp Size 2, 4 amp

SPECIFICATIONS

	Size 1	Size 2
Weight	0.02 lb	0.125 lb
Plunger travel differential	0.020 in. —0.007 in	0.040 in.*
Travel to trip	0.037 in. —0.012 in.	.....

*Approximately same as contact air gap.

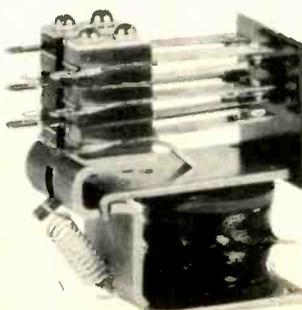
Contact structures available.
1. Single-circuit, normally closed. 2. Single-circuit, normally opened. 3. Two-circuit — one normally open, and one normally closed.

Size 2 Switchette with totally enclosed contact structure. These photos are not exact size.



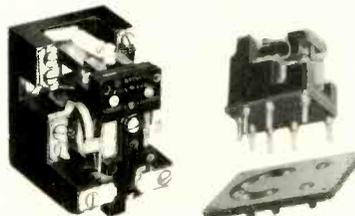
PUSH BUTTON STATIONS

For control circuits of magnetic controllers designed for push-button control. Standard- and heavy-duty stations available which may consist of various combinations of momentary-contact buttons, maintaining-contact buttons, selector switches, indicating lights and surface or flush mounting. Standard-duty station recommended for use with contactors rated up to and including 150 amp. Heavy-duty push buttons able to handle higher control currents. Large, double-break contacts and substantial construction of heavy-duty stations withstand frequent operation and rough usage on machine-tool and similar applications. General-purpose, watertight, dusttight, corrosion-resistant and explosion-proof enclosures.



RELAYS

GENERAL-PURPOSE RELAY CR2790E



RATING: 10 amp—110 or 220 v, a-c; 1/2 amp at 110 v or 1 hp at 220 v.

enclosed forms: enclosed in general purpose case, or in explosion-proof and watertight case; open relays may be front-connected or back-connected; or for mounting on a metal base or an insulated base, or with plug-in jacks. 3 contact arrangements are available: double-pole, double-throw; double-pole, single-throw; single-pole, single throw. Protection against hazard from restarts after power failures can be provided with the double-pole form when one pole is used as a holding interlock in the coil circuit together with a momentary contact push-button station. The relay can be mounted on either insulated or noninsulated bases. The enclosed forms have convenient conduit entrances at both top and bottom. Write for Bulletin GEC-257.

CURRENT-SENSITIVE RELAYS

For electronic applications where switching functions must be performed by small amounts of power, a complete line of current-sensitive, d-c relays is available. Withstand shock and vibration and operate in ambient temperature from -70 F to 200 F. Cover range from 10 mw to 180 mw; 0.47 ma to 1470 ma; 0.07 ohms to 67,000 ohms coil resistance; and weigh from 0.1 to 0.7 lb. Contact ratings from 12 v d-c (a-c) with a contact rating at 24 v (d-c) of 2.0 amp non-inductive and 0.5 amp inductive. Installation easy with plug-in base terminals. Write for Bulletin GEA-3819D.



APPLIANCE RELAY CR2790G

Small, inexpensive relay designed for use in vending machines, coin changers, conditioning control and similar equipments using low power—115 v or less—control circuits. Available in many contact arrangements, priced and tooled for high-quantity production to meet growing demand for control relays for automatic appliances. Will handle up to four-pole double-throw duty at 3 amp on 115 v a-c. Several forms available for use on a-c or d-c. Write for Bulletin GEA-4864.

WRITE G-E APPARATUS DEPT., SCHENECTADY, N. Y. for complete details or Bulletins

APPARATUS DEPT.
SCHENECTADY, N. Y.



6RS5GH1 is 15/16 in. — 6RS5GH2 is 11/16 in. Each has 5-1 in. square cells.

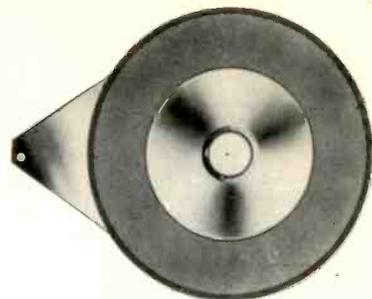
where a rectifier tube and socket won't fit. Special construction provides constant and uniform contact pressure on all cells, regardless of temperature variations. A coating of moisture-resistant varnish is protection against humidity, condensation, and dampness.

Ample current capacity — designed to withstand the inverse-peak voltages obtained when rectifying (half-wave) 110-125 volts rms, and when feeding a capacitor as required in various radio circuits. The inverse current is extremely low even with peak voltages up to 380 volts. Cuts installation costs, as no socket or filament circuit is necessary. Tests prove that the useful life of the selenium rectifier is several times greater than the 117-volt rectifier tube. Standard Model 6RS5GH1 is for general use wherever space permits, and 6RS5GH2 is recommended where limited space is available.

RATING TABULATION G-E selenium rectifiers	Model 6RS5GH1		Model 6RS5GH2	
	50 C	60 C	50 C	60 C
Normal rms volts	117	117	117	117
Max. rms volts	130	130	130	130
Max inverse-peak	380	380	380	380
Max. peak current	1000 ma	750 ma	800 ma	650 ma
Max. rms current	250 ma	200 ma	200 ma	163 ma
Max. d-c current	100 ma	80 ma	80 ma	65 ma

G-E SELENIUM RECTIFIERS FOR RADIO RECEIVER APPLICATIONS

G-E Selenium Rectifiers have wide application . . . They "UP" Quality. They "CUT" Costs. They provide dependable performance. They're built by men with "KNOW HOW." Less than one inch long and only one inch square. Help builders of radio receivers cut manufacturing costs and design a better product. They save space, for they can be mounted in places



G-E COPPER-OXIDE RECTIFIER

FOR SELF-CHARGING PORTABLES

The General Electric copper-oxide rectifier, Model 6RC8Y3, specially constructed for "self-charging portable radio receivers." Copper-oxide rectifiers operated in a full-wave circuit have been used successfully for more than six years in thousands of storage-battery-operated portable receivers. Its advantages include: 1. OCCUPIES LESS SPACE. 2. EASY TO INSTALL. 3. COOL OPERATION. 4. LONG LIFE. 5. AMPLE CURRENT CAPACITY. 6. ALL-METAL CONSTRUCTION. For further information, write to the Construction Materials Department, General Electric Company, Bridgeport 2, Connecticut.

G-E RECTIFIER STACKS

SELENIUM

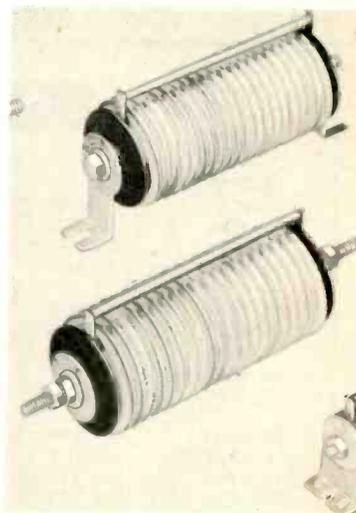
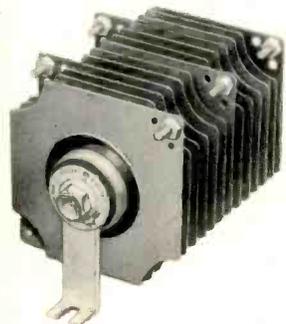
Various types of equipment require direct current for operation. These include electrochemical processes (electroplating and electrolysis protection); electric equipment (d-c motors, magnetic chucks, various control devices, and battery charging); G-E Selenium Rectifiers, containing no moving parts, operating from an a-c power supply, deliver the required d-c power.

They have a long, useful life. If the rectifier has been idle for a considerable length of time, it may show a loss of some of its rectifying properties, but the original characteristics are quickly restored after the a-c power is again supplied and the blacking layer reforms. Operating efficiency and power factor are similar to those of the copper-oxide type. The application for these rectifier stacks is widespread throughout industry.

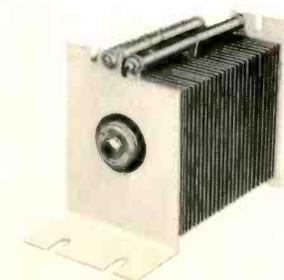
COPPER OXIDE

An efficient, economical device for converting alternating current into direct current. These stacks are simple and sturdy in construction. There are no moving parts to wear out; consequently, the life of a rectifier stack is virtually unlimited. Rectifiers of any desired voltage and current may be assembled from the various sized cells. The operating efficiency will vary, depending on type of circuit, rating, and operating conditions of the particular rectifier. In a single-phase, full-wave circuit, connected to a resistance load, rectifier stack efficiency at rated output will be from 60 to 65 per-cent. In a similar circuit with a battery-charging load, efficiency may be from 70 to 75 per-cent. In three-phase operation, 85 per-cent efficiency is obtained at full-rated output. At low temperatures, the efficiency will be slightly less; while at higher operating temperatures, the efficiency will be increased slightly due to the lowering of the internal resistance of the rectifier.

The copper-oxide rectifier is a resistance device and, as such, operates at a unity power factor at low frequencies. When used in a circuit with a transformer, and connected to a normal load, such as a resistance device or battery, the power factor is usually 95 per-cent or better. Send for descriptive bulletin. Address Section 640-237, General Electric Company, Schenectady 5, N. Y.



SELENIUM RECTIFIER STACKS



COPPER OXIDE RECTIFIER STACKS

WRITE G-E APPARATUS DEPT., SCHENECTADY, N. Y. for complete details or Bulletins

GENERAL ELECTRIC

TUBE DIVISION
Schenectady, New York



THERE'S A



Electronic
TUBE FOR EVERY PURPOSE

G-E Electronic Tubes are accurately designed to meet the exacting requirements of electronic circuits — whether for communications or industrial use. They are manufactured under rigid material and production controls to assure long-lasting performance according to their ratings. New applications in communications and industrial equipment constantly demand new tube types — G-E designs tubes to meet every need that arises.

A Complete Listing of G-E TRANSMITTING AND INDUSTRIAL TUBES

The following list includes types to meet every presently known electronic circuit requirement. For complete data send for the G-E Tube Manual shown on the opposite page.

PLIOTRONS

GL-2C39	GL-473	GL-858	GL-1629
GL-2C40	GL-592	GL-862-A	GL-1633
GL-2C43	GL-800	GL-880	GL-1851
GL-2E24	GL-801-A	GL-889-A	GL-5513
GL-2E26	GL-802	GL-889-R-A	GL-5518
GL-2E30	GL-803	GL-891	GL-5549
GL-3C22	GL-805	GL-891-R	GL-5556/PJ-8
GL-4C21	GL-806	GL-892	GL-5648
GL-4D21/4-125A	GL-807	GL-892-R	GL-5674
GL-5C24	GL-809	GL-893-A	GL-5691
GL-5D24	GL-810	GL-893-A-R	GL-5692
GL-7C29	GL-811	GL-895	GL-5693
GL-7D21	GL-812	GL-895-R	GL-5739/FP-62
GL-9C21	GL-813	GL-898-A	GL-5740/FP-54
GL-9C22	GL-814	GL-954	GL-5742/PJ-7
GL-9C24	GL-815	GL-955	GL-5743/PJ-21
GL-35T	GL-826	GL-956	GL-8000
GL-100TH	GL-828	GL-957	GL-8002
GL-146	GL-829-B	GL-959	GL-8002-R
GL-152	GL-830-B	GL-1603	GL-8005
GL-159	GL-832-A	GL-1612	GL-8009
GL-169	GL-833-A	GL-1613	GL-8010A-R
GL-203-A	GL-835	GL-1614	GL-8012-A
GL-204-A	GL-837	GL-1619	GL-8025-A
GL-207	GL-838	GL-1620	GL-9001
GL-211	GL-842	GL-1621	GL-9002
GL-242-C	GL-843	GL-1622	GL-9003
FP-265	GL-845	GL-1623	
GL-276-A	GL-849	GL-1624	
FP-285	GL-851	GL-1625	

THYRATRONS

GL-2D21	GL-627
GL-3C23	GL-672
FG-27-A	GL-678
FG-41	GL-884
FG-81-A	GL-885
FG-97	GL-2050
FG-98-A	GL-2051
FG-105	GL-5545
FG-154	GL-5557/FG-17
FG-172	GL-5559/FG-57
FG-178-A	GL-5560/FG-95
GL-393-A	GL-5663
GL-414	GL-5720/FG-33
GL-502-A	GL-5728/FG-67

VACUUM CAPACITORS

GL-1L21	GL-1L31
GL-1L22	GL-1L32
GL-1L23	GL-1L33
GL-1L24	GL-1L36
GL-1L25	GL-1L38

GENERAL ELECTRIC

CATHODE RAY TUBES • KENOTRONS • PHOTOTUBES

GL-2AP1-A
GL-3AP1-A
GL-3BP1-A
GL-5BP1-A
GL-5CP1-A

GL-5CP7-A
GL-5FP14
GL-7BP1
GL-7BP7-A
GL-12DP7-A

GL-914
GL-2B22
GL-2B23
2X2-A
5R4-GY

GL-217-C
GL-218
GL-219
FP-400
GL-411

GL-836
GL-1616
GL-1641
GL-5625/KC-4
GL-5741/FP-85-A

GL-8013-A
GL-8020
GL-9004
GL-9005
GL-9006

GL-1P29/FJ-401

PJ-22
GL-441
GL-868/PJ-23
GL-917
GL-918

GL-919
GL-920
GL-921
GL-922
GL-923

GL-927
GL-929
GL-930
GL-931-A
GL-935

PHANOTRONS • GLOW TUBES • BALLAST TUBES

GL-3B24
FG-166
FG-190
GL-266-B
FG-280

GL-575-A
GL-673
GL-816
GL-857-B
GL-866-A

GL-869-B
GL-870-A
GL-872-A
GL-5558/FG-32
GL-5561/FG-104
GL-8008

GL-OA3/VR-75
GL-OB3/VR-90
GL-OC3/VR-105
GL-OD3/VR150
GL-874

GL-5620/FB-50
GL-5621/B-6
GL-5622/B-25
GL-5623/B-47
GL-5624/B-46

VACUUM SWITCHES • PHASITRONS • VACUUM GAGES

GL-1521
FA-6
FA-15

GL-2H21
GL-5593

FA-13
FA-14

IGNITRONS

GL-427
GL-5550/GL-415
GL-5551/FG-271

GL-5552/FG-235-A
GL-5553/FG-258-A

GL-5554/FG-259-B
GL-5555/FG-238-B
GL-5630

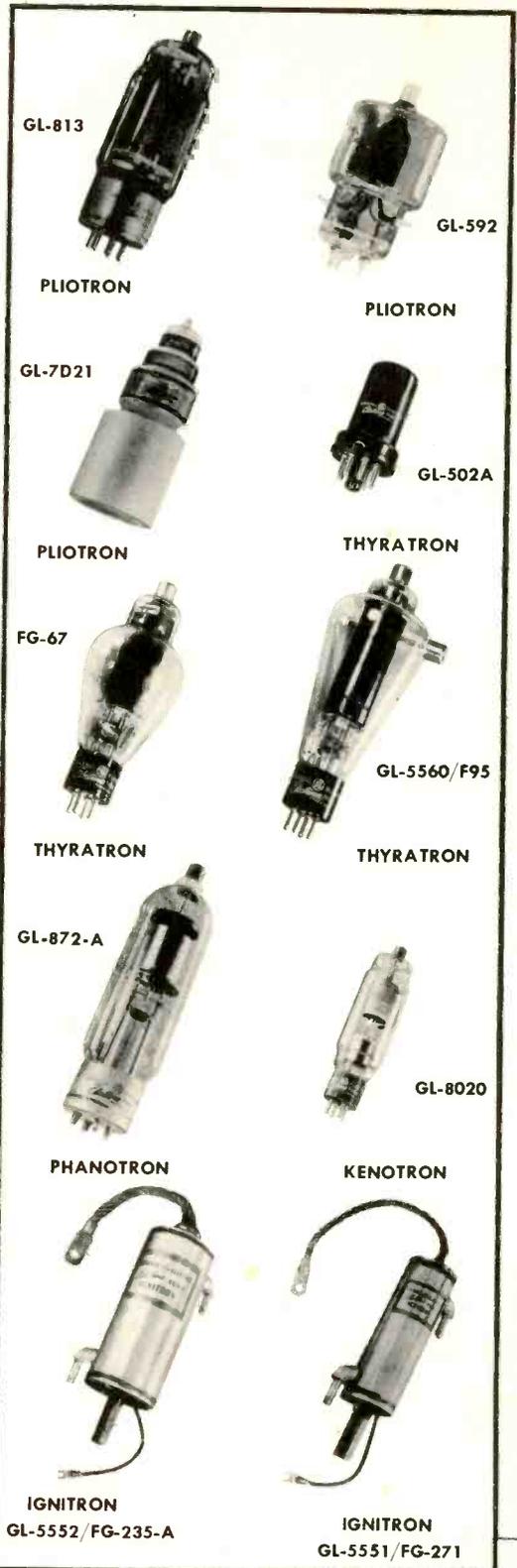
MAXIMUM RATINGS

KVA DEMAND	CORRESPONDING AVERAGE ANODE CURRENT, AMPS	MAXIMUM AVERAGE ANODE CURRENT, AMPS	CORRESPONDING KVA DEMAND
Peak amperes = 30, Ave. amperes = 5			
300	12.1	22.4	100
600	30.2	56.0	200
1200	75.6	140.	400
2400	192	355	800
1200	75	113	600
2400	135	207	1105

GENERAL ELECTRIC

ELECTRONIC TUBE MANUALS . . .

. . . complete data available on every G-E tube! Designed for and by technical men, the new G-E Electronic Tube Manuals pictured to the left are complete in every detail. They contain comprehensive data on the electrical, mechanical, and performance characteristics of every G-E tube type. Let their easy-to-read graphs and tube outlines help to solve your application problems. For prices and further information write Electronics Department, General Electric Company, Schenectady 5, N. Y.



Write G-E TUBE DIVISION, SCHENECTADY 5, N. Y. for complete details or Bulletins

GENERAL ELECTRIC

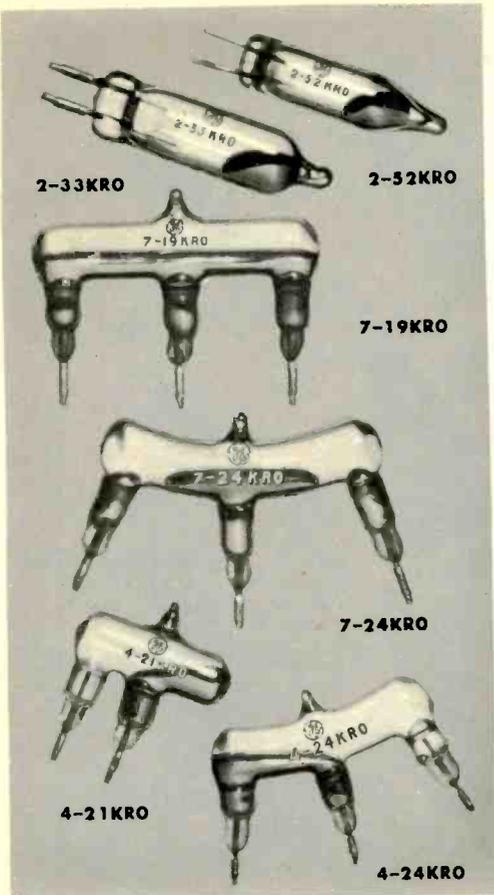
KON-NEC-TOR MERCURY SWITCHES

Most Kon-Nec-Tors are made of heat resisting Pyrex brand glass with current conducted to mercury by tungsten lead-in wires. The small force necessary to tilt a Kon-Nec-Tor, whenever available, will cause it to operate positively and silently. Chart on their characteristics is given below and engineering service is available to all users.

GENERAL INFORMATION

Type	Switching Action	Max. Height	Max. Length	Max. Diameter	Lead Length (Inches)	Holder Clip #	Average Weight in Grams	Internal Resistance in Ohms*	Total Movement Required in degrees
1-1KR1	SPST N. Open	—	2½	0.515	4½	4839	10	.25	Magnetically Actuated
1-2KR1	SPST N. Closed	—	2½	0.515	4½	4839	10	.25	
1-15KR0	SPST	—	1½	0.265	—	—	2.5	0.022	14
2-52KR1	SPST	—	1½	0.3376	7	6601	5	0.05	15
2-33KR1	SPST	—	1½	0.416	7½	6601	8	0.006	15
2-25KR1	SPST	—	2½	0.512	7½	4839	14	0.003	14
2-36KR1	SPDT without neutral	—	2½	0.588	7½	6602	30	0.007	14
4-19KR1	SPDT without neutral	1½	1½	0.477	8	4838	41	0.006	30
4-21KR1	SPST	1½	1½	0.477	8	4838	28	0.006	20
4-24KR1	SPDT	1½	2½	0.477	8	4838	41	0.007	20
4-40KR1	SPST	1½	2½	0.531	7¾	4839	28	0.008	15
7-19KR1	SPDT without neutral	2½	2½	0.548	8	4839	86	0.004	20
7-21KR1	SPST	1½	2½	0.548	8	4839	57	0.004	15
7-24KR1	SPDT with neutral	2½	3	0.548	8	4839	71	0.005	20

The type number ending designates type of lead attached to the Kon-Nec-Tor. KR1 means standard leads are attached. KR0 means the Kon-Nec-Tor is furnished without leads.
*Excluding leads.



ELECTRICAL RATINGS

TYPE	VOLTAGE		MAXIMUM CURRENT RATING—AMPERES						MOTOR RATINGS—HORSEPOWER					
	A-C	D-C	Non-Inductive Circuit		Inductive Circuit		Incandescent Lamp Circuit		D-C	A-C 60 Cycles				
			A-C	D-C	A-C	D-C	A-C	D-C		Split Phase	Capacitor	Repulsion-Induction	2 and 3 Phase	
1-1KR1 1-2KR1	125 250	0.3 0.15	0.15 0.08	—	—	—	—	—	—	—	—	—	1/60 1/60	—
1-15KR0	8 125	5 0.100	5 0.100	—	—	—	—	—	—	—	—	—	—	—
2-52KR1	8 125 250	5 2 1	5 1 0.5	—	—	—	—	—	—	—	—	—	—	—
2-33KR1	125 250	3 2	2 1	3 2	• •	1 1	1 1	••	1/20 1/10	—	—	1/12 1/8	••	••
2-25KR1 2-36KR1	125 250 550	5 3 1	3 1.5 ••	5 3 1	• • ••	1 1 1	1 1 ••	•• •• ••	1/12 1/8 —	1/12 1/8 —	1/8 1/4 —	1/4 1/4 —	•• •• —	—
4-21KR1 4-19KR1 4-24KR1 4-40KR1	125 250 550	15 10 8	10 5 ••	15 10 8	• • ••	10 10 5	10 5 ••	1/2 1/2 ••	1/2 1/2 —	1/2 1/2 —	1 1 —	1 1/2 1 1/2 —	1 1/2 1 1/2 3	3/4 1 1/2 3
7-21KR1 7-19KR1 7-24KR1	125 250 550	25 20 15	20 10 ••	25 20 15	• • ••	20 20 15	20 10 ••	1/2 1/2 ••	1/2 1/2 —	1 2 —	1 1/2 3 —	1 2 5	1 2 5	—

* No specified rating can be stated. Capacity is lower than on noninductive circuits. ** Not recommended for this service.
† Ratings following this bracket apply to all types listed in this individual group.

MOUNTINGS

Because proper mounting is essential to the satisfactory performance of these Kon-nec-tors, clips of tempered cadmium plated steel are provided. These are sufficiently flexible to securely hold the somewhat variable diameters characteristic of glass tubes. The use of a drop of adhesive at each clip contact is recommended, to insure the Kon-nec-tor remaining in the correct mounting plane.



TUBE SOCKETS AND WATER JACKETS

Designed and built for G-E Tubes, they have the same high quality and performance characteristics. Specify them for increased assurance of superior performance and tube life. Available in all popular types.



GENERAL ELECTRIC

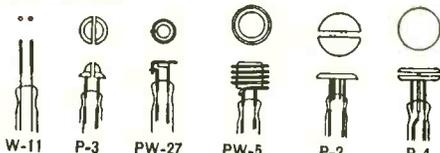
NEON GLOW LAMPS

The unique characteristics of G-E Neon Glow Lamps recommend them for a variety of uses in radio and electronic devices . . . as indicators, voltage regulators, pilot lights and test lamps. They have • Distinctive orange-red glow — no colored cover glass needed • Dependable performance and long life — rated at 3,000 hr (In excess of 25,000 hr. for NE-2) • Very low current consumption — less than 1/2 ma for smallest lamp • Variety of sizes and wattages • High resistance to vibration, shock • Produce practically no heat • Nearly flat V-amp characteristics • Lamp life not seriously effected by voltage variations.

SCREW BASE LAMPS . . . Required series resistor mounted within base. See values marked "IN" in column "Series Resistance." Lamps may be applied to higher circuit voltages by use of suitable external resistors.

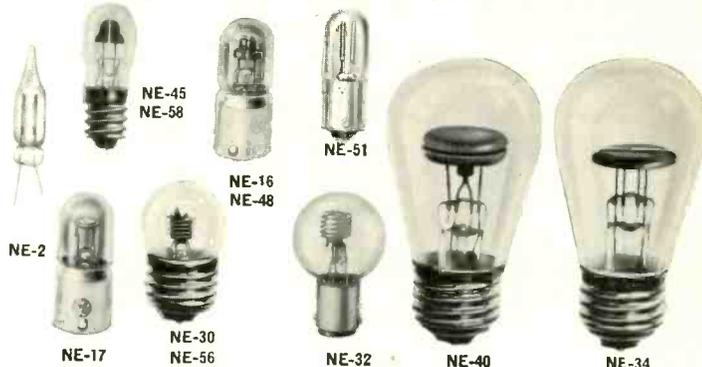
BAYONET BASE LAMPS . . . External means must be provided to limit current to normal amount. External resistors, to be supplied by user, should be of the values marked "EX" in column "Series Resistance" for rated volts.

ELECTRODE SHAPES



NOTE—Electrodes not to scale

BASE DESIGNATIONS



CLEAR NEON LAMPS															
Lamp Number	NE-2	NE-51	NE-48	NE-16	NE-45	NE-17	NE-57	NE-30	NE-32	NE-56	NE-34	NE-36	NE-40	NE-42	NE-58
Watts, Nominal	1/28	1/25	1/4	1/4	1/4	1/4	1/4	1	1	1	2	2	3	3	1/2
Volts (Circuit)	105-125	105-125	105-125	105-125	105-125	105-125	105-125	105-125	105-125	210-250	105-125	105-125	105-125	105-125	210-250
*Bulb	T-2	T-3 1/4	T-4 1/2	T-4 1/2	T-4 1/2	T-4 1/2	T-4 1/2	G-10	G-10	G-10	S-14	S-14	S-14	S-14	T-4 1/2
Base	Unbased (Wire Term.)	S. C. Bay. Min.	D. C. Bay. Cand.	D. C. Bay. Cand.	Cand. Screw	D. C. Bay. Cand.	Cand. Screw	Med. Screw	D. C. Bay. Cand.	Med. Screw	Med. Screw	Sk. D. C. Bay. Cand.	Med. Screw	Sk. D. C. Bay. Cand.	Cand. Screw
Max. Over-all Length, Inches	1 1/4	1 3/4	1 1/2	1 1/2	1 3/4	1 1/2	1 3/4	2 1/4	2 1/4	2 1/4	3 3/4	3 3/4	3 3/4	3 3/4	1 3/4
Electrode Shape	W-11	W-11	P-3	P-3	P-3	PW-27	PW-27	PW-5	PW-5	PW-5	P-2	P-2	P-4	P-4	P-3
Approx. Starting Voltage	A.C. 85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
	D.C. 90	90	90	90	90	70	70	85	85	85	85	85	85	85	85
Series Resistance	Ohms 200000 EX	200000 EX	30000 EX	30000 EX	30000 EX	30000 EX	30000 EX	4800 IN	4800 EX	40000 IN	3500 IN	3500 EX	2200 IN	2200 EX	100000 IN
Package Quantities	Unit 100	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	Standard 1000	100	100	100	100	100	100	100	100	100	100	100	100	100	100
List Price and Tax Symbol	\$0.08 T	\$0.10 T	\$0.35 T	\$0.42 N	\$0.40 T	\$0.45 T	\$0.40 T	\$0.40 T	\$0.45 T	\$0.40 T	\$0.50 T	\$0.55 T	\$0.60 T	\$0.65 T	\$0.40 T

* Bulbs are designated by a letter to indicate shape and a figure to indicate the approximate diameter in eighths of an inch.

1. Applies to a new lamp.
2. The 1-1/16" dimension is for glass parts only, the lamp has wire terminals which extend 13/16".
3. Meets JAN-1A specifications for 991. Special marking JCG-991 supplied at small extra charge.
4. Designed for 67.87 volts, D.C. (D.C. operating voltage at 1.5 milliamperes, 53-65 volts.)
5. Center electrode connected to base shell.
6. NE-34 and NE-40 are supplied with red sprayed finish at additional charge of 5¢ each, list.
7. D.C. starting voltage is for lamp connected so that center electrode is negative.

NOTE — T — Following List Price indicates subject to Federal Tax N — Nontaxable.

RADIO DIAL LAMPS

Because of the vibration conditions under which G-E radio dial lights must operate, particular care is given to their design and manufacture. Low voltage filaments are designed to vibrate without damage and are

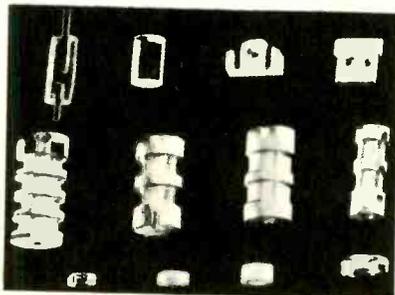
secured by a shake-proof joint. They feature . . . Dependable, trouble-free performance • High level of maintained light output • Low current consumption • Long life.

Lamp Number	40	41	42	43	44	45	46	47	48	49	1490	14C7	14C7DC
Volts	6-8	2.5	3.2	2.5	6-8	3.2	6-8	6-8	2	2	3.2	115-25	115-25
Ampe	0.15	0.50	0.35	0.50	0.25	0.35	0.25	0.15	0.06	0.06	0.16	10 watts	10 watts
#Bulb	T-3 1/4	T-3 1/4	T-3 1/4	T-3 1/4	T-3 1/4	T-3 1/4	T-3 1/4	T-3 1/4	T-3 1/4	T-3 1/4	T-3 1/4	C-7	C-7
Base	Min. Screw	Min. Screw	Min. Screw	Min. Bay.	Min. Bay.	Min. Bay.	Min. Screw	Min. Bay.	Min. Screw	Min. Bay.	Min. Bay.	Cand. Screw	D.C. Bay.
Bead Color	Brown	White		White	Blue		Blue	Brown	Pink				
Price	\$0.10T	\$0.10T	\$0.12T	\$0.10T	\$0.10T	\$0.12T	\$0.10T	\$0.10T	\$0.15T	\$0.15T	\$0.11T	\$0.15T	\$0.22T

Bulbs are designated by a letter to indicate shape and a figure to indicate the approximate diameter in eighths of an inch.

T After price indicates Federal Excise Tax will be billed as a separate item at 6.3% of list price.

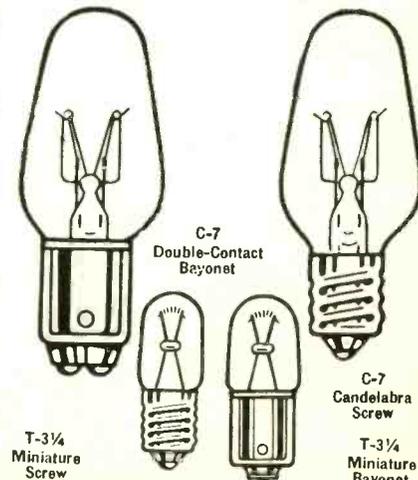
FUSED QUARTZ INSULATORS FOR CRITICAL ELECTRONIC WORK



Fused quartz, both clear and translucent, is manufactured by the General Electric Company in rod, tubing and ingot form. This material can also be fabricated into functional shapes to meet most individual requirements. For engineering service on your specific problem, write the G-E Lamp Dept.

Only Fused Quartz Has ALL These Characteristics • stands high temperature • high resistance to thermal shock • low power loss • low surface leakage • high dielectric strength • non-hygroscopic • stands high current flashovers without failure • high crushing strength . . .

can be machined to accurate tolerances.



Write G-E LAMP DEPARTMENT, NELA PARK, CLEVELAND 12, OHIO, for complete details or Bulletins

GENERAL ELECTRIC ELECTRIC

GENERAL ELECTRIC SALES OFFICES

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 Albuquerque, N. M. 323 S. Third St.
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 Amarillo, Tex. 300 Polk St.
 Atlanta 3, Ga. 187 Spring St., N.W.
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 Baltimore 1, Md. 111 Park Ave.
 Bangor, Me. 77 Central St.
 Beaumont, Tex. 398 Pearl St.
 Binghamton, N. Y. 19 Chenango St.
 Birmingham 3, Ala. 1804-7th Ave., N.
 Bluefield, W. Va. Appalachian Bldg.
 Boston 1, Mass. 140 Federal St.
 Buffalo 3, N. Y. 535 Washington St.
 Butte, Mont. 20 W. Granite St.
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 Cedar Rapids, Iowa 203 Second St., S.E.
 Charleston 28, W. Va. 306 MacCorkle Ave., S.E.
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 Cincinnati 2, Ohio 215 W. Third St.
 Cleveland 4, Ohio 4966 Woodland Ave.
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 Dallas 2, Tex. 1801 N. Lamar St.
 Davenport, Iowa 511 Pershing Ave.
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 Duluth 2, Minn. 14 W. Superior St.
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 Eugene, Ore. 610 Willamette St.
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 Fairmont, W. Va. 511 Jacobs Bldg.
 Fergus Falls, Minn. 102 W. Lincoln Ave.
 Fort Wayne 2, Ind. 127 W. Berry St.
 Forth Worth 2, Tex. 408 W. Seventh St.
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 Grand Rapids 2, Mich. 148 Monroe Ave., N.W.

Greensboro, N. C. 301-3 S. Elm St.
 Greenville, S. C. 106 W. Washington St.
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 Harrisburg, Pa. 229 N. Second St.
 Hartford 3, Conn. 410 Asylum St.
 Houston 1, Tex. 1312 Live Oak St.
 Indianapolis 4, Ind. 110 N. Illinois St.
 Jackson, Mich. 120 W. Michigan Ave.
 Jackson 1, Miss. 203 W. Capitol St.
 Jacksonville 2, Fla. 700 E. Union St.
 Jamestown, N. Y. 2 Second St.
 Johnson City, Tenn. 334 E. Main St.
 Johnstown, Pa. 841 Oak St.
 Kansas City 6, Mo. 106 W. Fourteenth St.
 Knoxville 8, Tenn. 602 S. Gay St.
 Lansing 68, Mich. 215 S. Grand Ave.
 Lincoln 8, Nebr. 1001 "O" St.
 Little Rock, Ark. 103 W. Capitol Ave.
 Los Angeles 54, Calif. 212 N. Vignes St.
 Louisville 2, Ky. 455 S. Fourth St.
 Madison 3, Wis. 16 N. Carroll St.
 Manchester, N. H. 875 Elm St.
 Medford, Ore. 205 W. Main St.
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 Milwaukee 3, Wis. 940 W. St. Paul Ave.
 Minneapolis 2, Minn. 12 S. Sixth St.
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 Nashville 3, Tenn. 234 Third Ave., N.
 Newark 2, N. J. 744 Broad St.
 New Haven 6, Conn. 129 Church St.
 New Orleans 12, La. 837 Gravier St.
 New York 22, N. Y. 570 Lexington Ave.
 Niagara Falls, N. Y. 253 Second St.
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 Oakland 12, Calif. 409 Thirteenth St.
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 Pittsburg, Kan. 508 W. Euclid Ave.
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 Portland 7, Ore. 920 S. W. Sixth Ave.
 Providence 3, R. I. Industrial Trust Bldg.

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 Reading, Pa. 31 N. Sixth St.
 Reno, Nev. 343 Mount Rose St.
 Richmond 17, Va. 700 E. Franklin St.
 Riverside, Calif. 3808 Main St.
 Roanoke 11, Va. 202 S. Jefferson St.
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 Rockford, Ill. 110 S. First St.
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 Saginaw, Mich. 128 N. Franklin St.
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 San Jose, Calif. 409 Bank of America Bldg.
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 Shreveport 90, La. 803 Jordan St.
 Sioux City 13, Iowa 507 Sixth St.
 Sioux Falls, S. D. 321 1/2 S. Phillips Ave.
 South Bend 1, Ind. 112 W. Jefferson Blvd.
 Spokane 8, Wash. South 162 Post St.
 Springfield, Ill. 607 E. Adams St.
 Springfield 3, Mass. 1387 Main St.
 Stockton, Calif. 11 S. San Joaquin St.
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 Tampa 6, Fla. 1206 North "A" St.
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 Washington 5, D. C. 806 15th St., N.W.
 Waterbury 89, Conn. 111 W. Main St.
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 Wheeling, W. Va. 40 14th St.
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 Boston 10, Mass. 50 High St.
 Buffalo 2, N. Y. 1 W. Genesee St.
 Charlotte 2, N. C. 516 Johnston Bldg.
 Chicago 4, Ill. 231 So. LaSalle St.
 Chicago 4, Ill. 230 So. Clark St.
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 Cleveland 14, Ohio 1320 Williamson Bldg.
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Davenport, Iowa 206 E. 2nd St.
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 Detroit 26, Mich. 1249 Washington Blvd.
 Detroit 26, Mich. 1249 Washington Blvd.
 Indianapolis 4, Ind. 1115 Circle Tower
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 Memphis 7, Tenn. 1179 Morehead St.
 Milwaukee 3, Wis. 161 W. Wisconsin Ave.
 Minneapolis 13, Minn. 500 Stronson Blvd.
 Newark 2, N. J. 744 Broad St.

New York 22, N. Y. 570 Lexington Ave.
 New York 22, N. Y. 570 Lexington Ave.
 Philadelphia 2, Pa. 1405 Locust St.
 Pittsburgh 22, Pa. 535 Smithfield St.
 Portland 9, Ore. 1238 N. W. Glisan St.
 Richmond 20, Va. 10 W. Cary St.
 San Francisco
 (Oakland 7, Calif.) 1614 Campbell St.
 St. Louis 1, Mo. 710 No. Twelfth Blvd.
 Tampa 2, Fla. 409 E. Cass St.

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 Bridgeport 8, Conn. 1285 Boston Ave.
 Chicago 80, Ill. 840 S. Canal St.
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Cleveland 4, Ohio 4966 Woodland Ave.
 Los Angeles 54, Calif. 212 N. Vignes St.
 Newark 2, N. J. 744 Broad St.
 New York 22, N. Y. 570 Lexington Ave.

Philadelphia 2, Pa. 1405 Locust St.
 Pittsfield, Mass. 1 Plastics Ave.
 Schenectady 5, N. Y. 1 River Rd.

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 Salt Lake City, Utah 200 S. Main St.
 San Francisco 6, Calif. 235 Montgomery St.
 Seattle 11, Wash. 710 2nd Ave.
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ELECTRONICS DEPARTMENT

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 Boston 1, Mass. 140 Federal St.
 Chicago 54, Ill. The Merchandise Mart, Room 1122

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 Dallas 2, Texas Norman Bldg.
 Kansas City 6, Mo. 106 W. 14th St.

New York 22, N. Y. 570 Lexington Ave.
 Philadelphia 2, Pa. 1405 Locust St.
 San Francisco 6, Calif. 235 Montgomery St.

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Atlanta 3, Ga. 400 Red Rock Bldg.
 Boston 1, Mass. 136 Federal St.
 Chicago 80, Ill. 840 South Canal St.

Cleveland 14, Ohio E. 9th Euclid Ave.
 Houston, Texas 11 Jopht St.
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New York 22, N. Y. 570 Lexington Ave.
 Philadelphia 2, Pa. 1405 Locust St.
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For high quality

For outstanding performance

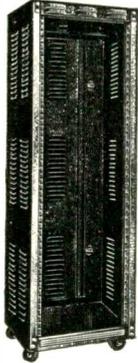
For low cost

Choose BUD Electronic Components

Since the Bud line comprises over 2000 different sizes and types, usually you can be supplied from stock instead of having a part specially built for you. Regardless of your requirements, you will save time and money by consulting Bud first. The high quality of Bud electronic components is the result of over 21 years experience in supplying the needs of the radio industry. Our engineering background and production

BUD DE LUXE RELAY RACKS

These relay racks are made of 16 gauge steel with $\frac{1}{8}$ " panel supports. The panel mounting supports are recessed so that no edges of the panel will be exposed.



The relay rack is shipped knocked-down and complete with all necessary hardware for assembly. All standard 19" panels will fit these racks.

A SPECIAL FEATURE IS THE USE OF FOUR STURDY SUPPORTS ON THE BOTTOM SO THAT CASTERS CAN BE FASTENED DIRECTLY TO THE BASE, THEREBY ACHIEVING READY MOBILITY. Bud RC-7756 casters will fit this unit. Casters are not included in price of cabinet. These relay racks are supplied in either black or grey wrinkle finish. The overall width is 22" and the depth is $17\frac{1}{4}$ " on all sizes listed.

Catalog No.	Overall Height	Panel Space	Shipping Wt.	Dealer Cost
CR-1774	42 $\frac{1}{8}$ "	36 $\frac{3}{4}$ "	90 lbs.	\$28.50
CR-1771	47 $\frac{1}{8}$ "	42"	100 lbs.	35.45
CR-1772	66 $\frac{1}{8}$ "	61 $\frac{1}{4}$ "	135 lbs.	42.30
CR-1773	82 $\frac{1}{8}$ "	77"	155 lbs.	50.40

BUD "CE" MIDGET CONDENSERS SINGLE SECTION DOUBLE BEARING



These Midget Condensers were designed to meet the rigid requirements in design of efficient ultra-high frequency electronic devices and precision laboratory equipment. Brass rotor and stator plate stacks are assembled into permanent units by means of electro-soldering, which assures long life and accurate plate spacing. End-plates of Steatite insulate the mounting bushings and angles from the rotor and stator assemblies. A large front sleeve bearing and rear ball thrust bearing provide for smooth rotation. Special wiper contact provides noise-free tuning. All metal parts are cadmium plated. Rotor plates are semi-circular shaped. Provision for either panel or base mounting.

Catalog Number	Max. Cap. MMFD.	Min. Cap. MMFD.	Air Gap	No. of Plates	Overall Length	Dealer Cost
CE-2000	15	4	.030"	3	2 $\frac{1}{8}$ "	\$1.40
CE-2001	35	6	.030"	7	2 $\frac{3}{8}$ "	1.55
CE-2002	50	7	.030"	9	2 $\frac{3}{8}$ "	1.90
CE-2003	75	8	.030"	14	3 $\frac{1}{8}$ "	2.10
CE-2004	100	9	.030"	18	3 $\frac{1}{8}$ "	2.30
CE-2005	150	10	.030"	27	3 $\frac{1}{8}$ "	2.50
CE-2006	200	11	.030"	35	4 $\frac{1}{8}$ "	2.85
CE-2007	250	12	.030"	44	4 $\frac{1}{8}$ "	3.20
CE-2008	300	15	.030"	52	5 $\frac{1}{8}$ "	3.40
CE-2011	15	5	.060"	5	2 $\frac{3}{8}$ "	1.60
CE-2012	35	7	.060"	11	3 $\frac{1}{8}$ "	1.85
CE-2013	50	8	.060"	15	3 $\frac{1}{8}$ "	2.25
CE-2014	75	10	.060"	23	3 $\frac{1}{8}$ "	2.70
CE-2015	100	13	.060"	31	4 $\frac{1}{8}$ "	2.95
CE-2016	35	9	.095"	15	4 $\frac{1}{8}$ "	2.15
CE-2017	50	10	.095"	23	5 $\frac{1}{8}$ "	2.45
CE-2018	75	14	.095"	33	6 $\frac{1}{8}$ "	2.90

PIE WOUND R. F. CHOKES



Each choke has a continuous winding of silk covered enameled copper wire and the pie constituting this winding are wound on a $\frac{1}{4}$ " diameter ceramic core. Chokes are made with both strap and wire leads. The CH-876 is a heavy duty choke intended for circuits,

such as transmitter plate circuits, where high currents are present. All chokes in this series have an overall length of $1\frac{1}{2}$ ". Chokes with wire leads are also available.

Catalog Number	Inductance mh.	D. C. Resistance	Current Rating	Dealer Cost
CH-920S	2.5	45 ohms	125 ma	\$.42
CH-922S	5.5	60 ohms	125 ma	.50
CH-923S	8.0	72 ohms	100 ma	.60
CH-924S	10.0	78 ohms	100 ma	.68
CH-876S	2.5	16 ohms	250 ma	.65

ALL SHEET METAL PRICES 10% HIGHER WEST OF THE MISSISSIPPI.

Send us your blue prints on any special item on which you desire quotation. You will get a prompt reply in complete detail.

THE MARK



OF PERFECTION

BUD RADIO, INC.

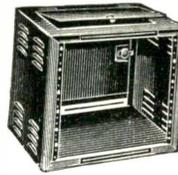
2117 East 55th Street

Cleveland 3, Ohio

facilities enable us to meet your specifications, give you prompt delivery and lower your cost.

Illustrated below are but a few of the many items available to you. The Bud catalog gives a complete, concise description of all our products including sizes, applications and prices. Write on company stationery for a copy today.

BUD DE LUXE CABINET RACKS



The five large sizes have a hinged rear door, while the small sizes have a welded panel in the rear. There is a recessed, hinged door on the top with a snap catch. These cabinet racks are made of 16 gauge steel and are of sturdy construction. "NO-SCRATCH" EXTENDED METAL FEET ARE EMBOSSED ON THE BOTTOM TO MINIMIZE MARRING OF A TABLE TOP. These relay racks are furnished in either black or grey wrinkle finish. Depth $14\frac{3}{4}$ ", width 22". Will fit standard 19" panels.

Catalog No.	Overall Height	Panel Space	Shipping Wt.	Dealer Cost
CR-1741	10 $\frac{1}{8}$ "	8 $\frac{3}{4}$ "	29 lbs.	\$10.05
CR-1740	12 $\frac{1}{8}$ "	10 $\frac{1}{2}$ "	31 lbs.	11.30
CR-1742	14 $\frac{1}{8}$ "	12 $\frac{1}{4}$ "	32 lbs.	12.25
CR-1739	15 $\frac{1}{8}$ "	14"	36 lbs.	13.85
CR-1743	19 $\frac{1}{8}$ "	17 $\frac{1}{2}$ "	40 lbs.	16.77
CR-1727	22 $\frac{1}{8}$ "	21"	45 lbs.	18.00
CR-1744	28 $\frac{1}{8}$ "	26 $\frac{1}{4}$ "	50 lbs.	19.20
CR-1728	37 $\frac{1}{8}$ "	31 $\frac{1}{2}$ "	55 lbs.	21.20
CR-1745	36 $\frac{1}{8}$ "	35"	60 lbs.	21.57

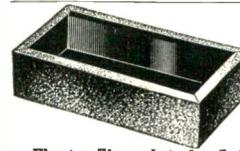
BUD ALUMINUM CHASSIS



The construction and design of these chassis is exactly the same as our steel chassis. The aluminum chassis are welded on government approved spot welders that are the same as used in the welding of aluminum airplane parts. The gauges specified in table below are aluminum gauges. As a result, you can depend on BUD Aluminum Chassis to do a perfect job for you. Etched Aluminum finish. A few typical sizes shown below.

Catalog Number	Depth	Width	Height	Gauge	Dealer Cost
AC-402	5"	7"	2"	18	\$0.69
AC-406	7"	9"	2"	18	.90
AC-408	7"	12"	3"	18	1.14
AC-417	11"	17"	3"	14	2.40
AC-420	13"	17"	3"	14	2.67

BUD STEEL CHASSIS BASES



These chassis are made from one piece of steel, all corners are reinforced and spot welded. The four sides are folded on bottom for additional strength—this also permits a bottom plate to be attached if desired. These Chassis Bases are furnished in either Black Wrinkle

or Electro-Zinc plated. A few typical sizes are listed below.

Black Wrinkle Cat. No.	Zinc Plated Cat. No.	Depth	Width	Height	Gauge	Dealer Cost
CB-628	CB-629	5"	7"	2"	22	\$0.72
CB-644	CB-645	5"	9 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	22	.75
CB-789	CB-1191	7"	7"	2"	22	.75
CB-792	CB-793	7"	12"	3"	20	1.05
CB-636	CB-637	10"	17"	3"	20	1.38
CB-660	CB-773	13"	17"	3"	18	2.30

BUD MINIATURE UTILITY CABINETS with attached Chassis



Filling a long wanted need for a small cabinet with a chassis attached to the front panel, these cabinets are indispensable when building electronic devices using miniature tubes. Front and rear panels are removable and fastened with self-tapping screws, permitting easy accessibility. Especially useful for HF converters, television amplifiers and power supplies. Finished in black wrinkle.

Cat. No.	Height	Width	Depth	CHASSIS SIZE		Dealer Cost	
C-1793	4"	4"	2"	1"	3 $\frac{1}{8}$ "	1 $\frac{1}{2}$ "	\$.95
C-1794	4"	5"	3"	1"	4 $\frac{1}{8}$ "	2 $\frac{3}{8}$ "	1.05
C-1795	5"	4"	3"	1 $\frac{1}{4}$ "	3 $\frac{1}{8}$ "	2 $\frac{3}{8}$ "	1.05
C-1796	6"	5"	4"	1 $\frac{3}{8}$ "	4 $\frac{1}{8}$ "	3 $\frac{1}{8}$ "	1.15
C-1797	5"	6"	4"	1 $\frac{1}{2}$ "	5 $\frac{1}{8}$ "	3 $\frac{1}{8}$ "	1.15
C-1798	6"	6"	6"	1 $\frac{3}{4}$ "	4 $\frac{7}{8}$ "	5 $\frac{1}{8}$ "	1.20

IRC

**from one
reliable source**

With the widest line of resistor types in the industry, IRC can supply *all* your requirements from one reliable source. And because we manufacture all types, our recommendations are unbiased. For more than 20 years, IRC has concentrated exclusively on the design and manufacture of resistors. You benefit by this accumulated experience when you specify IRC.

IRC distributors maintain complete stocks of all standard resistors. A telephone call to your nearest IRC distributor will give you fast, local service on your experimental and maintenance orders.

Complete characteristics and specifications of the resistors shown here are detailed in Catalog Data Bulletin BG-1 through BG-17. Write for the Bulletins in which you are interested.

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IN CANADA: International Resistance Co., Ltd.,
Toronto, Licensee

FIXED AND



advanced type BT resistors

Meet JAN-R-11 specifications at $\frac{1}{2}$, $\frac{1}{2}$, and 1 and 2 watts. Small Insulated Composition Resistors, up to 22 megohms in RMA Ranges. Catalog BG-1.

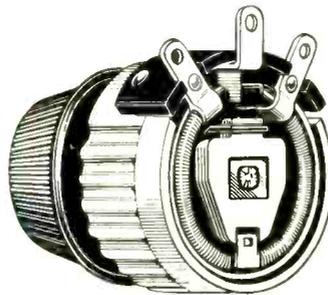
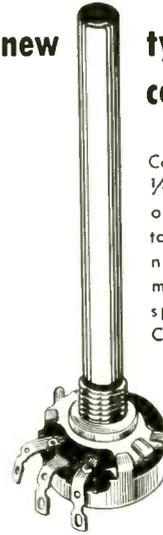


type BW wire wound resistors

Exceptionally stable and inexpensive for low range requirements. Fully insulated $\frac{1}{2}$, 1 and 2 watts in RMA Ranges up to 8200 ohms. Catalog BG-2.

new type Q controls

Compact $\frac{15}{16}$ " design. $\frac{1}{2}$ watt rating. Available with or without tap and switch. Lustrous nickel-plated finish meets federal salt-spray requirements. Catalog BG-3.



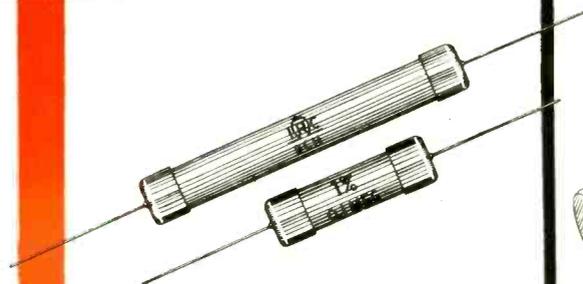
type PR power rheostats

All-metal construction gives unusual heat-dissipating qualities of 25 and 50 watts. (Type PRT Rheostat meets rigid Army-Navy Specifications AN-3155.) Catalogs BG-7 and BG-8.



finger-tip controls and switches

Nickel-size, wafer-thin controls with famous IRC element. Rotating cover eliminates knob, shaft, bushing. Catalog BG-9.



deposited carbon PRECISTORS

Combine accuracy and economy in close tolerance applications. Tiny, lightweight units in wide range of values. Catalog BG-14.



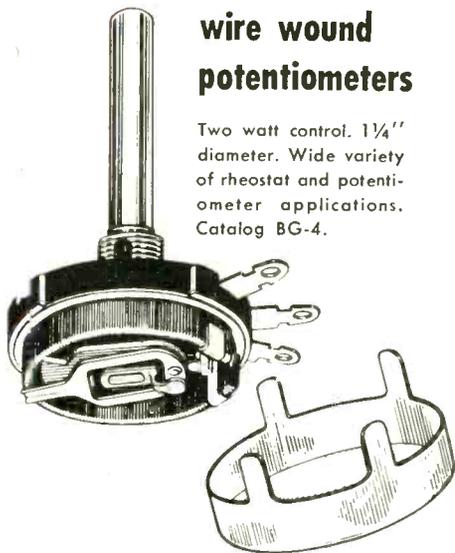
type MF voltmeter multipliers

Interconnected and encased in sealed ceramic tubes. Completely impervious to humidity. 0.5 meg. to 6 meg. Catalog BG-15.

VARIABLE RESISTORS

wire wound potentiometers

Two watt control. 1 1/4" diameter. Wide variety of rheostat and potentiometer applications. Catalog BG-4.



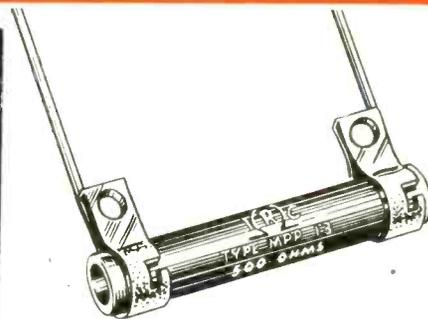
type MW wire wound resistors

Flat wire wound resistors, completely insulated and protected. Unique design permits savings in cost and space. Catalog BG-5.



type MP high frequency resistors

For frequencies above those of conventional resistors. 2 watts to 90 watts. (MPM's are tiny, 1/4-watt units ideal for miniaturization.) Catalog BG-6.



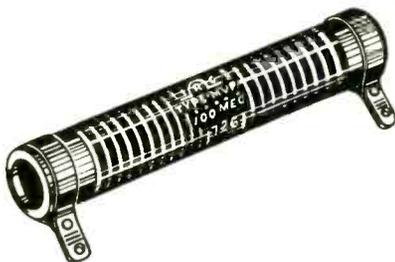
precision wire wound resistors

Maximum accuracy and dependability in instrument applications. 1% tolerance standard. Variety of terminal types. Catalog BG-10.



type MV high voltage resistors

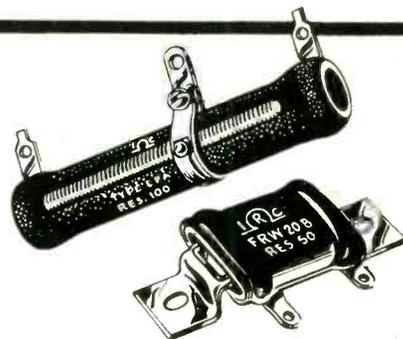
For use where high resistance and power are required. 2 watts to 90 watts. Variety of terminal types. Catalog BG-11.



power wire wound resistors

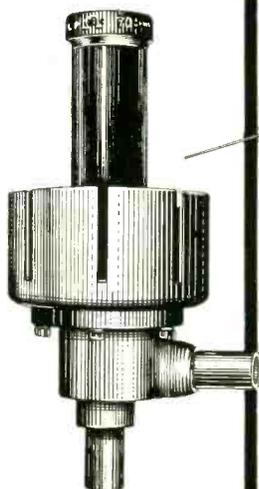
(Tubular or Flat)

Full range of sizes, types, terminals. Special cement coating resists humidity and aids heat dissipation. Catalogs BG-12 and BG-13.



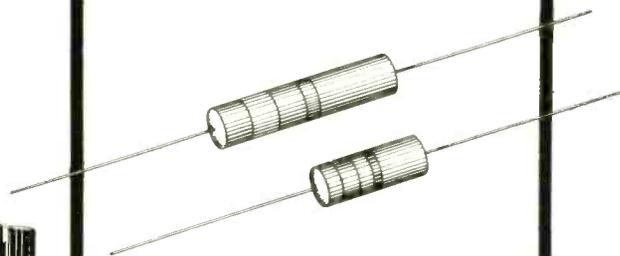
type LP water cooled resistors

High-frequency, high-power resistor, cooled by high velocity stream of water. Power dissipation up to 5 KW. 35 ohms to 1500 ohms. Elements interchangeable. Catalog BG-16.



insulated chokes

Ideal for television and similar circuits. Wide range of size and characteristic combinations permit accurate specification to individual requirements. Inexpensive and versatile. Catalog BG-17.

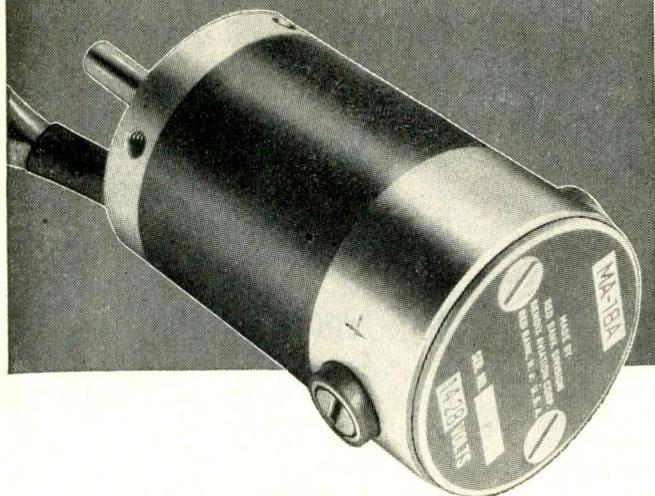


IRC

Wherever the Circuit Says 

**INTERNATIONAL
RESISTANCE
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Where Quality Counts...



This new series of fractional horsepower D. C. motors, known as the MA series, has been designed and built to meet the exacting requirements of the aircraft, communications, and electronics industries. The basic design of these motors is the result of years of research and experience in small D. C. motors for many applications, including—

- | | |
|--------------------------|--------------------------|
| 1. Servo mechanisms | 5. Fan and blower drives |
| 2. Band-change switching | 6. Trim-tab actuators |
| 3. Recorder drives | 7. Fuel-valve actuators |
| 4. Telemetry apparatus | 8. Stall warning devices |

These motors are available in a variety of voltages, speeds, torques, and horsepower ratings. Frame sizes range from 1 5/8" to 5 1/4", producing 1/100 to 1/2 horsepower, on continuous duty ratings, with intermittent duty running appreciably higher. Both series and shunt wound motors are available with worms or pinions on the shaft or with plain shaft ends. Forward your specifications to our Engineering Department. We will be glad to recommend the correct motor for your application.

... You Can't Beat

BENDIX

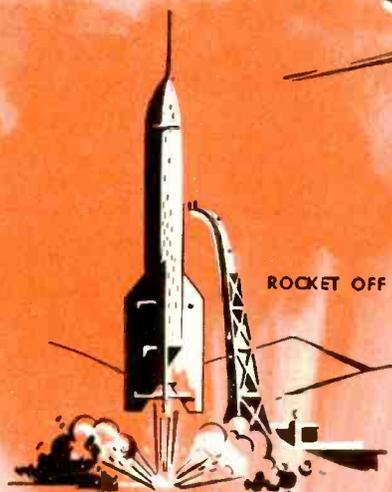
D.C. MOTORS

Model	Input Volts	Input Amps.	Rated H.P.	R.P.M. at Rated H.P.	Stall Torque in Ozs.	Rotation	Frame Size	Duty
MA-1A	28	1.25	0.0156	10,500	12	Reversible	1 5/8	Int.
MA-1C	28	0.50	0.0045	3,000	4	Clock	1 5/8	Cont.
MA-1D	14/28	2/2.3	0.020	4,000	10	Reversible	1 5/8	Int.
MA1E	28	0.65	0.0165	11,000	6	C'Clock	1 5/8	Int.
MA-1F	14	2.5	0.0162	10,500	12	Reversible	1 5/8	Int.
MA-1H	14	0.50	0.0045	7,000	6	Clock	1 5/8	Cont.
MA-27A	28	1.25	0.0156	10,500	12	Clock	1 5/8	Int.
MA-11A	28	3.5	0.040	15,000	15	Reversible	1 1/2	Int.
MA-13AX	27	1.0	0.022	3,500	60	Reversible	2 3/4	Int.
MA-22A	26.5	2.0	0.040	5,500	40.5	Clock	2 3/4	Cont.
MA-26A	26	2.0	0.050	4,800	11	Clock	2 3/4	Cont.
MA-25A	150	0.053	0.013	10,000	9	Reversible	2 7/64	Cont.
MA-10A	28	3.0	0.060	6,200	10	C'Clock	3	Cont.

RED BANK DIVISION of
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Export Sales: Bendix International Division, 72 Fifth Avenue, New York 11, New York



ROCKET OFF RAMP



JET PLANE

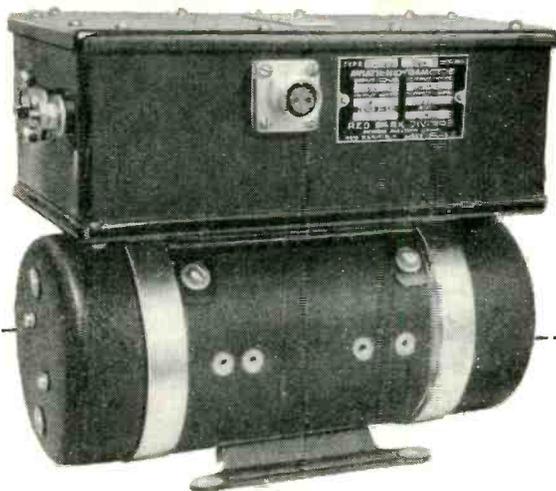


AMPHIBIOUS TANK

EXPLOSION-PROOF, REGULATED DYNAMOTOR



RADAR



CHECK AND BE SURE

- Voltage regulation
- Frequency regulation
- Speed control
- High temperature operation
- High altitude operation
- Waterproof construction
- Noise proof (conducted and radiated)

Only Bendix can give you all of these important features.

Bendix realizes that today's standards are tomorrow's discards. Our research program is designed to keep *ahead* of tomorrow's needs—to produce equipment that is *ready*, when it is needed. Typical of the results achieved by this far-sighted development work are explosion-proof dynamotors, regulated dynamotors, inverters and D.C. motors* manufactured by Bendix. In addition, Bendix research has produced rotating equipment that will withstand extreme conditions of altitude, temperature, humidity, immersion, shock, and acceleration. To those members of the electronic industry engaged in the design and development of guided missiles, telemetering apparatus, radio, radar, or other electronic devices, we suggest that you call on:

* Bendix motors meet specification ANM-40.

For immediate information call our Engineering Staff—Red Bank 6-3600. • Staff Members:
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J. J. Korzdorfer, Project Engineer.

RED BANK DIVISION of
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Dynamotors • Inverters • Convertors • D. C. Motors • Carbon Pile Voltage Regulators



WIRES

For Radio, Television and Inter-communication

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The TELEVISION Hook-up Wire

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If it's a problem calling for **PRECISION POTENTIOMETERS**

Bring it to Helipot

For many years The HELIPOT Corporation has been a leader in the development of advanced types of potentiometers. It pioneered the *helical* potentiometer—the potentiometer now so widely used in computer circuits, radar equipment, aviation devices and other military and industrial applications. It pioneered the DUODIAL—the turns-indicating dial that greatly simplifies the control of multiple-turn potentiometers and other similar devices. And it has also pioneered in the development of many other unique potentiometric advancements where highest skill coupled with ability to mass-produce to close tolerances have been imperative.

In order to meet rigid government specifications on these developments—and at the same time produce them economically—HELIPOT* has perfected unique manufacturing facilities, including high speed machines capable of winding extreme lengths of resistance elements employing wire even less than .001" diameter. These winding machines are further supplemented by special testing facilities and potentiometer "know-how" unsurpassed in the industry.

So if you have a problem requiring *precision potentiometers* your best bet is to bring it to The HELIPOT Corporation. A call or letter outlining your problem will receive immediate attention!

*Trade Marks Registered

In this panel are illustrated standard models of HELIPOT multi-turn and single-turn precision potentiometers—available in a wide range of resistances and accuracies to fulfill the needs of nearly any potentiometer application. The Beckman DUODIAL is furnished in two designs and four turns-ratios, to add to the usefulness of the HELIPOT by permitting easy and rapid reading or adjustment.



MODELS A, B, & C HELIPOTS
 A—10 turns, 46" coil, 1-13/16" dia., 5 watts—resistances from 10 to 300,000 ohms.
 B—15 turns, 140" coil, 3-5/16" dia., 10 watts—resistances from 50 to 500,000 ohms.
 C—3 turns, 13-1/2" coil, 1-13/16" dia., 3 watts—resistances from 5 to 50,000 ohms.
 — Ask for Bulletin 104 —



MODELS D AND E HELIPOTS
 Provide extreme accuracy of control and adjustment, with 9,000 and 14,400 degrees of shaft rotation.
 D—25 turns, 234" coil, 3-5/16" dia., 15 watts—resistances from 100 to 750,000 ohms.
 E—40 turns, 373" coil, 3-5/16" dia., 20 watts—resistances from 200 ohms to one megohm.
 — Ask for Bulletin 104 —



MODELS F AND G PRECISION SINGLE-TURN POTENTIOMETERS
 Feature both continuous and limited mechanical rotation, with maximum effective electrical rotation. Versatility of designs permit a wide variety of special features.
 F—3-5/16" dia., 5 watts, electrical rotation 359°—resistances 10 to 100,000 ohms.
 G—1-5/16" dia., 2 watts, electrical rotation 356°—resistances 5 to 20,000 ohms.
 — Ask for Bulletin 105 —

LABORATORY MODEL HELIPOT

The ideal resistance unit for use in laboratory and experimental applications. Also helpful in calibrating and checking test equipment. Combines high accuracy and wide range of 10-turn HELIPOT with precision adjustability of DUODIAL. Available in eight stock resistance values from 100 to 100,000 ohms, and other values on special order.
 — Ask for Bulletin 106 —



MODELS R AND W DUODIALS
 Each model available in standard turns-ratios of 10, 15, 25 and 40 to 1. Inner scale indicates angular position of HELIPOT sliding contact, and outer scale the helical turn on which it is located. Can be driven from knob or shaft end.
 R—2" diameter, exclusive of index.
 W—4-3/4" diameter, exclusive of index. Features finger hole in knob to speed rotation.
 — Ask for Bulletins 104 and 114 —

The versatility of the potentiometer designs illustrated above permit a wide variety of modifications and features, including double shaft extensions, ganged assemblies, the addition of a multiplicity of taps, variation of both electrical and mechanical rotation, special shafts and mounting bushings, high and low temperature operation, and close tolerances on both resistance and linearity. Examples of potentiometers modified for unusual applications are pictured at right.



3-GANGED MODEL A HELIPOT AND DOUBLE SHAFT MODEL C HELIPOT
 All HELIPOTS, and the Model F Potentiometer, can be furnished with shaft extensions and mounting bushings at each end to facilitate coupling to other equipment.
 The Model F, and the A, B, and C HELIPOTS are available in multiple assemblies, ganged at the factory on common shafts, for the control of associated circuits.

MULTITAPPED MODEL B HELIPOT AND 4-GANGED TAPPED MODEL F
 This Model B HELIPOT contains 28 taps, placed as required at specified points on coil. The Four-Gang Model F Potentiometer contains 10 taps on each section. Such taps permit use of padding resistors to create desired non-linear potentiometer functions, with advantage of flexibility, in that curves can be altered as required.

THE **Helipot** CORPORATION, SOUTH PASADENA 7, CALIFORNIA

LOOK TO **Centralab**

First in component research that means lower costs for the electronic industry.

P.E.C.

Modernize, Economize on Your Circuit Design with CRL Components

IN MINIATURE circuit design such as hearing aid amplifiers, CRL Printed Electronic Circuits are becoming increasingly popular. First, because of *compact size*; second, *dependable electrical characteristics*; third, *rugged construction*; and fourth, *resistance to humidity*.

Centralab engineers will gladly show your engineering department how CRL Printed Electronic Circuits can be adapted to your specific needs. Centralab is the *only true and original producer* of printed electronic circuits, integrating resistors, capacitors, inductances and wiring into *one unit*.

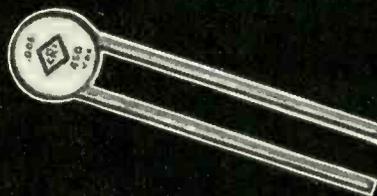
Centralab's *Couplate* is a complete printed interstage coupling plate, consisting of plate load resistor, grid resistor, plate by-pass capacitor and coupling capacitor. For further details get Bulletins 42-6 and 999.

Centralab's *Filpec* combines two capacitors and one resistor into one, tiny balanced diode load filter unit, highly adaptable to a variety of circuits. Saves space, cuts inventory. Write for Bulletin 42-9 for complete specifications.

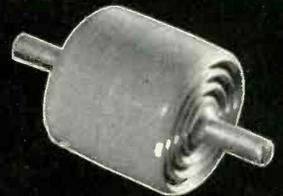
Use CRL Ceramic Capacitors for Television Applications

More and more TV set manufacturers are including CRL's advanced line of TC and BC *Hi-Kaps*, *Disc* and *Hi-Vo-Kap* capacitors in their latest circuit designs. *Reason*: CRL capacitors are made with Centralab's *exclusively* developed Ceramic-X material; afford consistent electrical characteristics, mechanical durability, increased longevity and are impervious to moisture.

CRL Tubular Capacitors. Negative temperature coefficient *TC Hi-Kaps* are ideally suited to prevent frequency drift in resonant circuits, TV, FM and AM tuners. Also readily adaptable to HF circuits as coupling and blocking condensers where low loss, stable capacity is required. No appreciable change with aging, humidity or temperature—four sizes, capacity from .5 to 2400 mmf., rated at 500 WVDC. *BC Hi-Kaps*, for use where temperature compensation is unimportant. From .000010 to .01 mfd., 500 WVDC. Send for Bulletin 42-3.



CRL Disc Capacitors. The miniature, ceramic *Hi-Kap* disc capacitor, designed for low inductance, low effective resistance at VHF, the best R.F. bypass condenser for TV and FM. Reliability in small size and low weight. Bulletin 42-4.



CRL Hi-Vo-Kaps. Principle use—TV video, high voltage power supply. High voltage pulse filter requirement for cathode ray tubes. Also, transmitter low power DC filter. Low power, high voltage power supplies. Bulletin 42-10.

Centralab Capacitors for other Applications

High Accuracy—for rigid frequency control. Capacity tolerance, $\pm 1\%$ TC tolerance ± 10 ppm over temperature range: -50 to $+85^\circ$ C. Standard working voltage, 500 D.C.

High Voltage—capacity tolerance, $\pm 10\%$. Five sizes, from 5000 to 15,000 WVDC. Flashover voltage—10,000 to 30,000 VDC. Current ratings: 1.5 amps to 15 amps, RMS at 30 MC.

Write for information. **Trimmers**: Four basic types. WV, 500 DC. Flash test 1100 VDC. Power factor, less 0.2% at 1 megacycle. Write for information.

BUY FROM **Centralab**

Makers of a complete line of components for the electronic industry.

SWITCHES . . . complete line featuring high quality, rugged construction for every type of electronic and industrial application.

Spring Return Rotary Switch: made with coil spring and cam index. 30 degree index, with 10 indexing combinations, permits handling up to three sections. Tested stop-strength of 48 inch pounds. (RMA Standard, 24 inch-pounds). Guaranteed minimum life, 100,000 cycles. (RMA Standard, 10,000 Cycles). Removable coil spring—can be replaced without removing switch from chassis. Bulletin No. 995.

"F" Index: for simple band change or radio-phonograph operations or general switching applications. V-spring. Life test—5 positions—10,000 cycles.

"G" Index: ideal for industrial applications. Coil spring replaceable without removing switch. Life test—5 positions—250,000 cycles.

"H" Index: (at right) primarily for band change and general tap switch applications. Spring and ball mechanism. Life test—5 positions—10,000 cycles.

Tone Switch: 3-4-6-8-9 or 10 clips available in tone switch group. All rated at 6 watts. Contact resistance less than $2\frac{3}{4}$ milliohms.

Lever Switch: eight basic indexing combinations available. Exclusive coil spring design with cam and roller offers truly long life, (guaranteed minimum life test of 100,000 cycles), and low capacity for all circuit work such as test, inter-com, AF and RF equipment.

Power Switch: designed for transmitters, power supply converters, X-ray equipment, etc. Efficient performance up to 20 megacycles. Life test—25,000 cycles.

CONTROLS . . . low noise level, long life, dependable performance, wide range of possible variations.

Model 1 Radiohm: smaller than a dime, for miniature receivers, amplifiers. Rating—1/10 watt. Shielded from dust, lint, etc. Bulletin 42-7.

Model "R" Radiohm: Two types—wire wound rated at 3 watts, composition rated at 1 watt. Both types can be twinned. Available with AC line switch.

Model "E" Radiohm: Composition type. Rubbing contact. Six different resistance tapers. Rated at 1/4 watt. Available with AC line switch.

Model "M" Radiohm: Most versatile control of all. Composition type. Rated at 1/2 watt. Can be twinned, tripled—twinned with switch or with concentric shaft.

Switch Covers: Five types for "R" Radiohms; four types for "M" Radiohm; one type for "E" Radiohms. Rated at 3 amp. 125 volts, 1 amp. 250 volts.

Rheostats: For commercial use such as small motor speed controls, charging rate adjusters, etc. Two sizes available: 25 and 50 watts.

CERAMICS . . . engineered for special industrial and electrical applications requiring specific properties of hardness, coefficient of expansion, porosity. Bulletin 720.

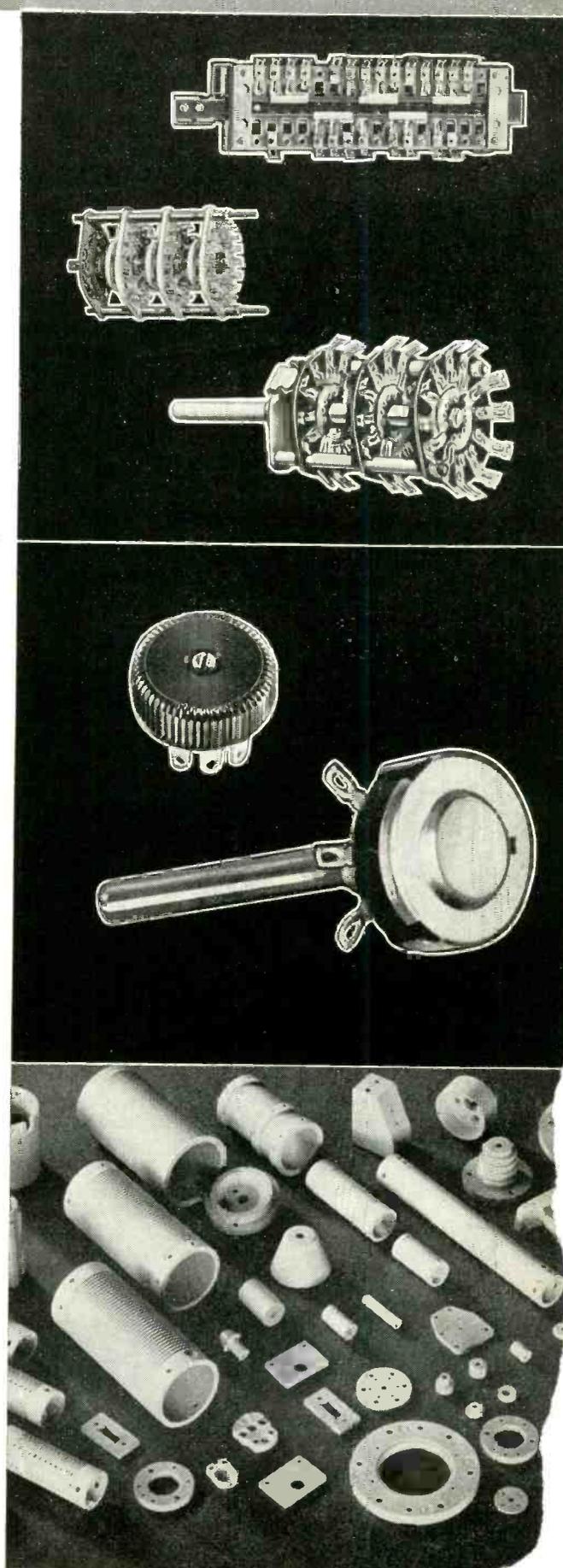
Steatite: Uniform white, high dielectric strength, high mechanical strength, low dielectric loss at high frequencies. Impervious to moisture and common acids, won't warp in use, withstands high temperature, remains stable.

Centradite: For use where low thermal expansion and high resistance to neat shock is desired. Composed chiefly of Cordierite, a magnesium aluminum silicate crystalline material. White in color and low in porosity. Variations available for specific design and production needs.

Zirconite: Low coefficient of expansion. Good thermal shock properties. High strength characteristics. Recommended for extruded or wet-pressed shapes. Variations also available to meet specific needs. Send for information.

Centralab

Division of GLOBE-UNION INC. Milwaukee, Wis.



CHATHAM

ELECTRONIC TUBES and EQUIPMENT

Tubes listed on this page can be supplied direct from stock. Many other types are also available for immediate delivery. Write for catalog today. CHATHAM also designs, develops and manufactures special tubes to exact customer specification. Inquiries regarding this service are invited.

CHATHAM 2D21 THYRATRON



A Xenon filled shield grid thyratron for grid controlled rectifier service. Permits use of high resistance in the grid circuit. Heater 6.3 volts, .6 amp. . . . Inverse peak plate voltage 1300 volts, 100 ma. average plate current.

CHATHAM 5594 THYRATRON



Xenon filled thyratron. Operates through ambient temperatures from -55°C to $+90^{\circ}\text{C}$ without auxiliary equipment to maintain bulb temperature. Fil. 2.5 volts, 5.0 amperes . . . Peak inverse 5000 volts; anode current 0.5 amps. average, 2.0 amps. peak.

CHATHAM 884 THYRATRON



An Argon filled thyratron for use as a sweep circuit oscillator in cathode ray tube circuits. Stable oscillator. Heater 6.3 volts, 0.6 amp. . . . Peak forward plate voltage 300 volts, 75 ma. average plate current.

CHATHAM 1B46 REGULATOR



A cold cathode glow discharge tube designed for voltage stability. D.C. operating voltage 82 volts —operating current range 1 to 2 mAdc.

CHATHAM 4B32 RECTIFIER



A rugged half wave Xenon filled rectifier. Operates in any position throughout an ambient temperature range of -75°C to $+90^{\circ}\text{C}$ Fil. 5 volts, 7.5 amp. . . . Inverse peak anode voltage 10,000 volts, 1.25 amp. average anode current.

CHATHAM 866-A RECTIFIER



A rugged half wave Mercury Vapor rectifier to withstand high peak inverse voltages. Heavy duty filament. Fil. 2.5 volts, 5.0 amp. . . . Peak inverse anode voltage 10,000 volts, .25 amp. average anode current.

CHATHAM 1B3GT RECTIFIER



High voltage vacuum rectifier for Television and similar applications. Low filament power permits efficient operation from R.F. supply. Filament 1.25 volts, 200 ma. . . . Inverse peak plate voltage 30,000 volts, 2 ma. average plate current, 17 ma. maximum plate current.

CHATHAM 3B28 RECTIFIER

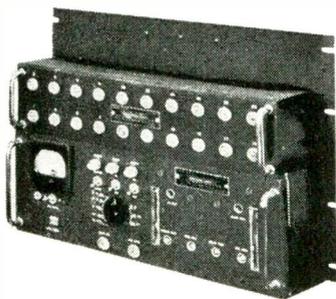


This rugged half wave Xenon filled rectifier will operate in any position and throughout an ambient temperature range of -75°C to $+90^{\circ}\text{C}$ Fil. 2.5 volts, 5.0 amp. . . . Inverse peak anode voltage 10,000 volts, .25 amp. average anode current.

CHATHAM 1Z2 RECTIFIER



A small bulb high voltage vacuum rectifier. Low cathode heating power and low dielectric losses make tube suitable for radio frequency supply circuits. Fil. 1.25 volts, .265 amp. . . . Inverse peak plate voltage 15,000 volts, 2 ma. average plate current, 10 ma. peak plate current.

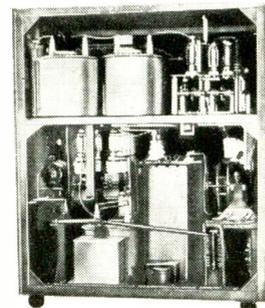


• Pulse life test equipment built by CHATHAM checks receiver type tubes under pulse operating conditions.

CUSTOM BUILT ELECTRONIC EQUIPMENT

CHATHAM specializes in the development, design, and construction of custom-built electronic equipment to exactly meet customers' requirements. Our capable staff of engineers will furnish prompt estimates or, if desired, will call to discuss your problem personally. Call or write today for complete information.

Write today for the informative CHATHAM catalog. For free copy address requests on company letterhead — no obligation.



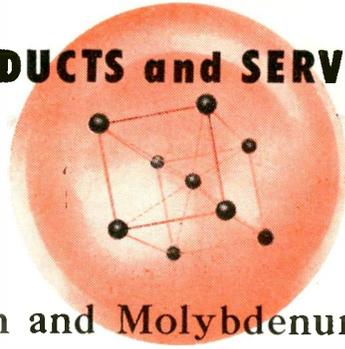
• 5 Megawatts radar modulator built by CHATHAM to rigid government standards.



CHATHAM ELECTRONICS • INC

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Fansteel **PRODUCTS and SERVICES** for electronic fields



Fansteel makes Tantalum, Tungsten and Molybdenum in rod,

sheet,  wire and fabricated products such as anodes

for electronic tubes,  especially those used at ultra-

high frequencies...Electrical Contacts  of tungsten,

molybdenum, silver, platinum and special alloys...complete

Contact Assemblies  for every make-and-break service,

Selenium Rectifiers – complete power units,  stacks

and sub-assemblies – for supplying direct current...Copper-

base Alloys in rods, bars, forgings, castings and special shapes

for soldering tips and  resistance welding electrodes.

More and more electronic engineers are turning to Fansteel for help while designs are still in the blueprint stage. They have learned that Fansteel experience and Fansteel services are particularly helpful on unusual applications . . . Fansteel Metallurgical Corporation, North Chicago, Illinois.



Fansteel

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11010

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● Red Label Irons



These are the irons that are used so universally in factory production lines. They are light weight, finely balanced, and have the coolest handles of any irons on the market. Elements are mounted and held in place with a knurled nut which engages the back end of the element and seats against the shoulder of the case shell, holding the element firmly in place regardless of the most rugged use. They are ideal from a maintenance standpoint for, due to their two piece combination terminal and handle, elements are replaceable in three minutes or less. The only iron on the market designed for use with or without a ground wire.

Irons are normally supplied in four wattages. They are obtainable, when required in quantity, in special wattages at no extra cost. Standard voltages are 105-120 and 220-240. Special voltages may be had. List prices of irons are as follows: No. 38-100 watt \$6.95, No. 58-200 watt \$8.95, No. 78-300 watt \$10.95 and No. 98-550 watt \$12.95. The iron illustrated is the No. 38 and is 1/2 actual size.

● No. 61 Pencil Iron



This pencil iron is only seven inches in length and weighs just 2 1/2 ounces exclusive of cord. The handle temperature at the point where it is held in the fingers, is actually no higher than body temperature. Diameter of handle is 3/4" and may be used as a pencil for the most delicate soldering operations. The element construction is of the same type as used in ESICO industrial irons and will give long service. The tip is the so called plug type, held in place with a set screw. Three shapes of tips are available, Type B - 1/4" dia. pyramid point, Type A - 1/8" dia. straight pencil point and Type C - 1/8" dia. bent 90 degrees with a pencil point.

The No. 61 is regularly wound to 25 watts at 105-120 volts, but may be had in higher wattages, when required in quantities at no extra cost. List price of iron is \$4.95. Tips A, B, or C 30¢ each list. Irons are available thru any of the better tool or Radio & Electronic Supply houses. If your distributor can not supply you from stock, send your order direct to us, but please be sure and give name of your distributor.

● Solder Pots

Ruggedly constructed cast iron pots, with easily replaceable elements.

- Model No. 12-3/4 lb cap. 200 watt
Net \$4.50
- Model No. 36-2 1/4 lbs cap. 250 watt
Net \$5.50
- Model No. 60-3 3/4 lbs cap. 325 watt
Net \$6.50



● Temperature Control Stand

This control stand is thermostatically actuated by the tip temperature of the iron. This is the only logical way to control the temperature of a soldering iron, for there is too much lag between element and tip temperature for the application of a thermostat to the element, whether in an iron or a control stand. Cat. No. 5, irons up to 1" dia. tip; Cat. No. 6, irons 1" to 1 1/2" dia. tips. List price \$6.50.



ELECTRIC SOLDERING IRON CO., Inc.
3849 West Elm Street
Deep River, Conn., U.S.A.

INKLESS RECTILINEAR Direct Writing RECORDERS



— with extremely high torque movement (200,000 dyne cms), ruggedly built and producing clear, permanent records.

Sanborn Direct Writing Recorders offer these advantages, plus performance characteristics (see table below) that make them outstandingly useful in a wide variety of industrial recording applications.

Whenever a phenomenon or action lends itself to transformation to an electrical quantity, and whether the variation is steady or of a pulse type, these Recorders (with associated amplifiers) can be used for immediate, direct, continuous registration.

Typical applications, actual and potential, include: temperature changes, automotive noise and vibration, varied output of strain gages and bridges, lightning and earthquake recording, pressure variations, audio frequency response, and many others.

Recording paper (Sanborn Permapaper) is heat sensitive — eliminating ink — yet clear and permanent. Trace is rectilinear — no curvature, no negative time intervals — yet with totally negligible tangent error.

Sanborn Recorders are available in self-contained, portable recording outfits, complete with cases and controls, or in component form for integration with existing equipment. Associated amplifiers are also available.

TABLE OF CONSTANTS

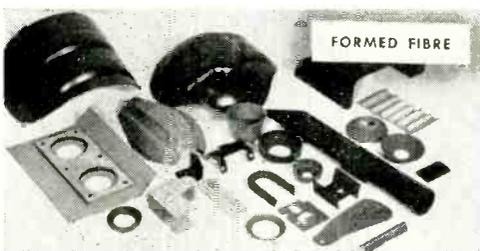
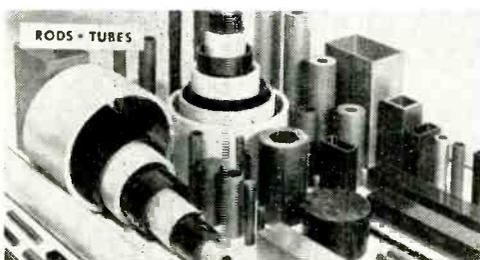
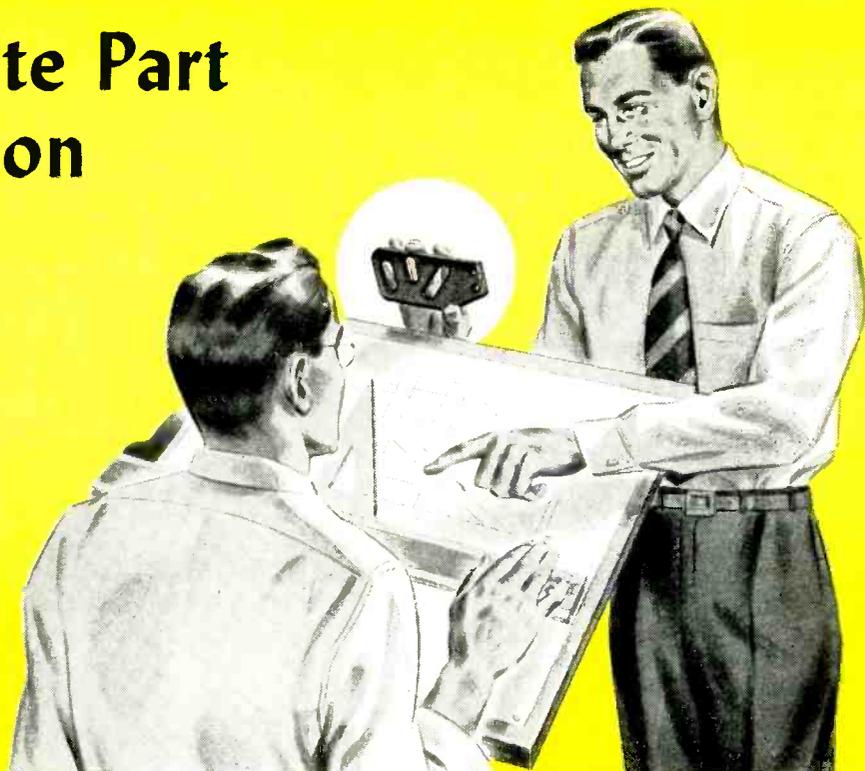
Sensitivity	10 ma/1 cm.
Coil resistance	3,000 ohms, center tapped for push-pull operation.
Critical damping resistance	500 ohms.
Undamped fundamental frequency	45 cycles/sec.
Stylus heater requires from external source	1.25 volts, 3.5 amps, AC or DC.
Maximum undistorted deflection	2.5 cm. each way from center.
Marker requires from external source	1.25 volts, at 1.5 amps, AC or DC.
Paper speed	25 mm/sec.
Chart ruling	1 mm intervals.

— additional constants, sizes and weights, general description and photographs are contained in this catalog.

Send today for copy (briefly stating proposed applications) to

INDUSTRIAL DIVISION
Sanborn Company
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Phenolite Part "This solution that insulation problem*"



To help you solve your specific development problem—available without obligation—National Research and Engineering Service.

*Required:

A material with very high insulation resistance under all atmospheric conditions—with good mechanical strength and ready machinability. Phenolite, laminated plastic, with all these qualities, plus—was the perfect answer.

**In your development of efficient, economical products,
it pays to investigate**

About one-half the weight of aluminum, possesses an unusual combination of properties—a good electrical insulator, great mechanical strength, high resistance to moisture; ready machinability. Sheets, Rods, Tubes, Special Shapes.

A tough, horn-like material with high dielectric and mechanical strength. Excellent machinability and forming qualities, great resistance to wear and abrasion, long life, light weight. Sheets, Rods, Tubes, Special Shapes.

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Oscilloscopes

WIDE BAND, FAST SWEEPS



\$845 f.o.b. Portland

Tektronix Type 511-AD Oscilloscope

The Type 511-AD, with its 10 mc. amplifier, 0.25 microsecond video delay line and sweeps as fast as .1 microsec./cm. is excellent for the observation of pulses and high speed transient phenomena. Sweeps as slow as .01 sec./cm. enable the 511-AD to perform superlatively as a conventional oscilloscope. The identical instrument without the video delay line is known as the Type 511-A, price \$795, f.o.b. Portland.

TEKTRONIX



\$950 f.o.b. Portland

Tektronix Type 512 Oscilloscope

DIRECT COUPLED, SLOW SWEEPS

The Type 512 with a sensitivity of 5 mv./cm. DC and sweeps as slow as .3 sec./cm. solves many problems confronting workers in the fields where comparatively slow phenomena must be observed. Vertical amplifier band-width of 1 mc. and sweeps as fast as 3 microsec./cm. make it an excellent general purpose oscilloscope as well.

Both Instruments Feature:

- Direct reading sweep speed dials.
- Single, triggered or recurrent sweeps.
- Amplitude calibration facilities.
- All DC voltages electronically regulated.
- Any 20% of normal sweep may be expanded 5 times.

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Metallurgical and Electronic Division

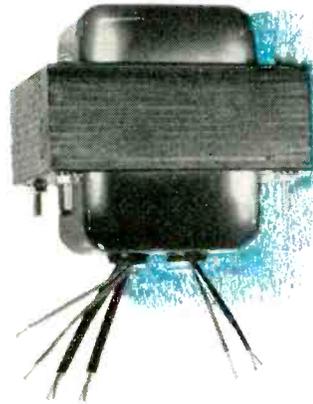
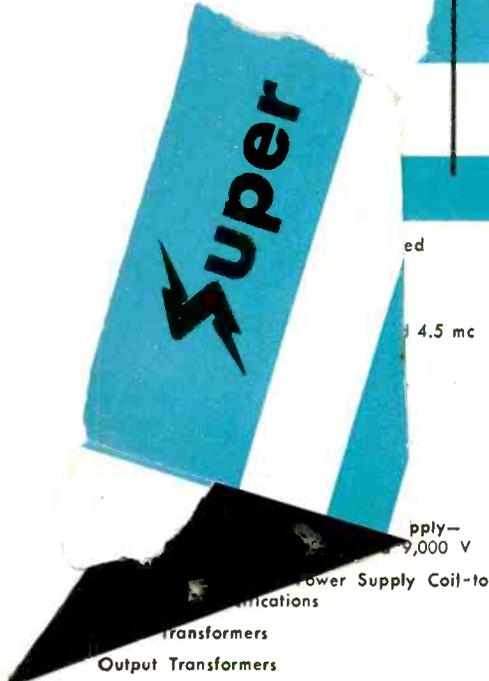
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Precision Components

FOR THE ELECTRONIC INDUSTRY



Power Transformer



RF Power Supply Coil



RF Power Supply

TRANSFORMERS

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- Interstage
- Modulation
- Filament
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- Reactors
- Pulse
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In addition see our specialty line of transformers including midget, high fidelity and Hermetically-sealed Transformers.

LOOP ANTENNAE

1. Multi-Band Combination Loop Antenna Radio Back
2. Broadcast Loop Antenna and Radio Back Combination
3. High Q Loop Antenna, Polyethylene Insulated Wire
4. Basket Weave Loop Antenna

MISCELLANEOUS COMPONENTS

USE OF THE FOLLOWING SUPER ELECTRIC COMPONENTS <i>Indicated by dots</i>	420 mmf RMA STANDARD GANG			365 mmf RMA STANDARD GANG			35 mmf
	TUNING RANGE			TUNING RANGE			TUNING RANGE
	535-1620 kc	1.6-5.6 mc	5.6-19.25 mc	535-1620 kc	2.0-6.0 mc	6.0-18.0 mc	88-112 mc
Oscillator Coil	•	•	•	•	•	•	•
Loop Antenna	•			•			
Antenna Coil	•	•	•	•	•	•	
R-F Interstage Transformer	•	•	•	•	•	•	•
Band Pass Antenna Coil (Double Tuned)	•			•			
Band Pass R-F Coil (Double Tuned)	•			•			

COILS FOR USE WITH STANDARD R.M.A. 420-420 mmf VARIABLE CONDENSERS

Part No.	Type	Coilform Dimensions	Coilform Material	Basic Capacity Range	Oscillator Padder	Oscillator Trimmer	Freq. Range
OC-200	Oscillator Antenna	1/2 OD x 1-1/4 lg. 5/8 OD x 1-1/2 lg	Kraft	47.5-467.5 mmf	127.6 mmf	15.1 mmf	135-400 KC
AC-200			Kraft	47.5-467.5 mmf	—	—	—
OC-13	Oscillator Antenna	1/2 OD x 1-1/4 lg.	Kraft	52.5-472.5 mmf	490.5 mmf	12.3 mmf	535-1620 KC
AC-13		5/8 OD x 1-1/2 lg	Kraft	52.5-472.5 mmf	—	—	—
RC-13	RF Interstage	5/8 OD x 1-1/2 lg	Kraft	52.5-472.5 mmf	—	—	—
RF-13	T. R. F.	5/8 OD x 1-1/2 lg	Kraft	52.5-472.5 mmf	—	—	—
L-13	Loop Antenna	Various	Kraft	52.5-472.5 mmf	—	—	—
OC-65	Oscillator Antenna	1/2 OD x 1-9/16 lg	Bakelite	37.3-457.3	1168.5 mmf	3.0 mmf	1.6-5.6 MC
AC-65		1/2 OD x 1-9/16 lg	Bakelite	37.3-457.3	—	—	—
RC-65	RF Interstage	1/2 OD x 1-9/16 lg	Bakelite	37.3-457.3	—	—	—
OC-101	Oscillator Antenna	1/2 OD x 1-9/16 lg	Bakelite	37.3-457.3	4666.0 mmf	1.6 mmf	5.5-19.2 MC
AC-101		1/2 OD x 1-9/16 lg	Bakelite	37.3-457.3	—	—	—
RC-101	RF Interstage	1/2 OD x 1-9/16 lg	Bakelite	37.3-457.3	—	—	—

I-F TRANSFORMERS

IF-10B Input 455 KC IF Transformer
IF-11B Output 455 KC IF Transformer

Standard sizes and miniatures

STANDARD F-M COILS

I-F 10.7 mc (3/4" x 3/4" and 1 1/4" Square Can)
COMBINATION AM-FM I-Fs, 455 kc and 10.7 mc

In addition to the components described, SUPER will build to customer specification.

Super's craftsmanship and technique, garnered over sixteen years of manufacturing experience, are your guarantee of the finest in electronic components.

ALLIED'S RELAY GUIDE

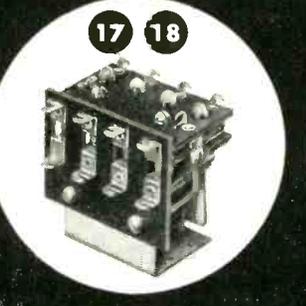
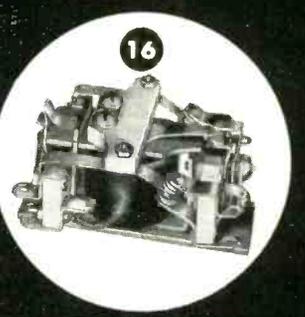
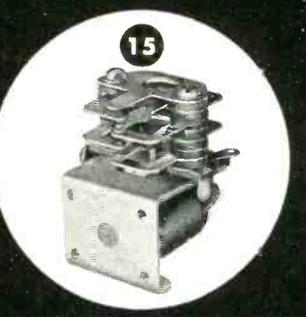
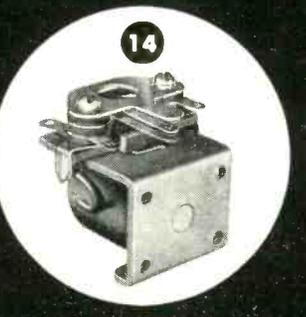
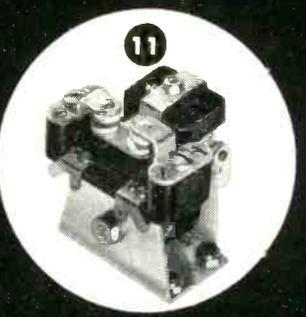
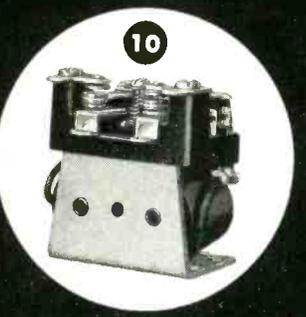
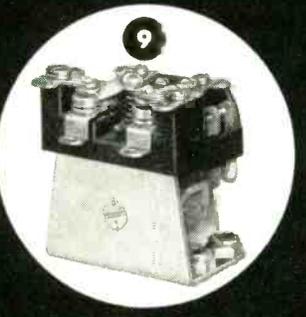
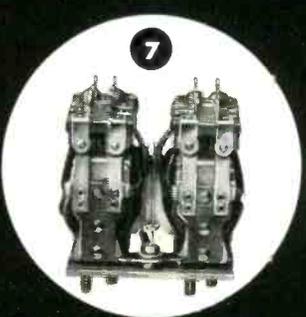
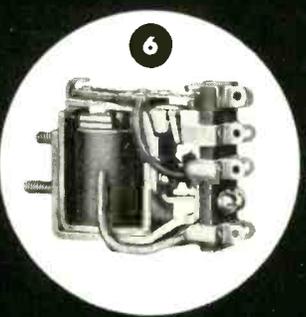
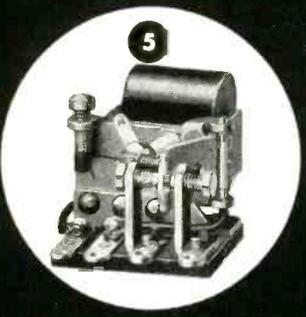
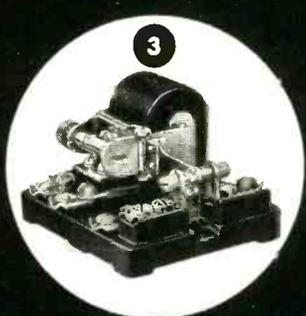
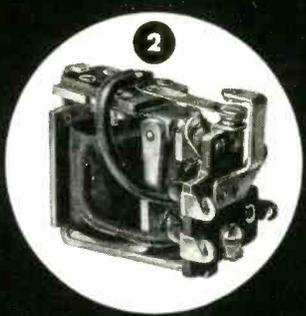
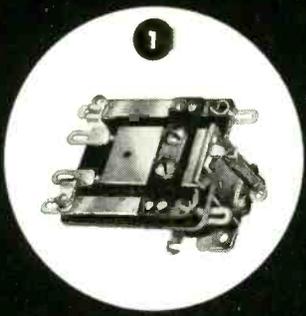
ALLIED TYPE	MAXIMUM CONTACT ARRANGEMENT	COIL OPERATION CONTACT RATING AT 24 V. DC AND 110 V. AC.	COIL OPERATION CONTACT RATING CURRENT	COIL DATA IN VOLT-AMPERES AC. OR WATTS DC.					DIMENSIONS			WEIGHT IN OUNCES			
				MINIMUM	RATED	MAXIMUM	MAX. DC. OHMS OF STANDARD COILS	MAX. RATED VOLTS OF STANDARD COILS	HEIGHT	WIDTH	LENGTH				
														AC	DC
1	AH	D.P.D.T.	5	AC	5.2	6.5	10.5	1380	230	1-3/8	1-19/32	2-3/8	3-1/2		
				DC	0.15	1.0	5.0	8000	90						
2	AS	S.P.D.T.	5	AC	2.5	3.5	5.0	3500	230	1-3/16	15/16	1-5/8	2	3	
				DC	0.5	1.0	4.6	3485	60						
3	B	S.P.D.T.	1	AC	0.09	0.12	9.5	12000	110	1-3/4	2-3/8	2-3/4	7	2	
				DC	0.009	0.012	4.9	12000	12						
4	BK	D.P.D.T.	1	AC	.190	.24	9.5	12000	150	1-21/32	2-5/8	2-5/8	7	2	
				DC	.019	.024	4.9	12000	18						
5	BG	S.P.D.T.	2	DC	.011	.05	4.8	5000	16	1-1/4	1-3/4	1-3/8	2-3/4	3	
6	BJ	D.P.D.T.	5	AC	2.8	3.5	7.3	3370	220	1-9/16	25/32	2-5/16	2-1/4	1, 2, 3, 7	
				DC	1.0	2.0	5.5	3370	82						
7	BJU	ELECT. LATCH 4.P.D.T.	5	AC	3.6	9.0		3370	220	1-15/16	1-7/8	1-9/16	6-1/2	6	
				DC	2.8	3.5		3370	110						
8	BN	6.P.D.T.	10	DC	1.5	3.5	8.0	4460	125	2-9/16	3	1-23/32	11	2, 7	
9	BO	D.P.D.T.	15	AC	3.6	4.5	10.0	2675	250	1-7/8	1-13/32	1-5/8	4	2, 3, 7	
				DC	1.5	2.5	5.7	5000	112						
10	BOY	D.P.D.T.	15	DC	.50	.75	7.2	10000	87	1-7/8	1-13/32	1-5/8	5	2, 3, 7	
11	CN	S.P.S.T. N.O. OR N.C.	50	AC	7.2	9.0	14.0	700	230	2-1/2	2	2-1/4	9-1/4		
				DC	1.0	3.5	8.5	4460	125						
12	DS	DIFFERENTIAL D.P.D.T.	5	DC	.04	.05	5.0	8000		1-13/16	1-3/16	2-3/8	7	3	
13	E	S.P.D.T.	1	DC	0.5	.75	3.0	3100	55	15/16	1-1/16	1-1/16	1		
14	FID	S.P.S.T.	2	DC	.08	.20	4.5	4900	31	1-3/8	1-3/16	1-3/8	2		
15	F6D	D.P.D.T.	2	DC	.75	1.0	4.5	4900	70	1-11/16	1-3/16	1-3/8	2.5		
16	HRX	3.P.D.T.	15	AC	5.2	6.5	12.0	1800	230	1-1/2	2-11/16	1-5/8	6-3/4	8	
				DC	1.5	3.0	7.0	4420	115						
17	PO	3 & 4.P.D.T.	15	AC	8.0	10.0	17.2	870	230	2-1/4	(3.P.D.T. 1-5/8)	1-7/8	7	2, 3, 7	
				DC	1.0	2.5	8.2	5000	112						
18	POY	3 & 4.P.D.T.	15	DC	0.6	1.0	8.0	10000	110	2-1/4	(4.P.D.T. 2-3/16)	1-7/8	7	2, 3, 7	
19	RA	CO-AXIAL S.P.D.T.	1.25 R.F.	DC	0.5	1.5	5.0	2000	55	2	2-7/8	1-3/4	4	4, 10	
20	SK-C-C	D.P.D.T.	1	DC	.340	2.5	4.2	4500	110	1-5/16	31/32	1-7/16	2.0	1, 3, 5	
21	SK-CC-C	3.P.D.T.	1	DC	.545	2.5	4.2	4500	110	1-1/2	31/32	1-7/16	2.1	3	
22	SK-CC-CC	4.P.D.T.	1	DC	.755	2.5	4.2	4500	110	1-1/2	31/32	1-7/16	2.5	3	
23	TSL	D.P.D.T.	1	DC	0.5	1.0	5.0	2000	55	1-9/16	1-3/16	11/16	1	1, 5	
24	PR	4.P.D.T.	10	AC	4.8	6.0	13.0	620	220	2-1/16	1-7/8	1-1/8	5	3, 7	
				DC	1.0	2.5	7.5	5700	110						
25	LK	6.P.D.T.	2	DC	.040	.65	7.0	5200	110	1-5/8	1-3/32	2-7/32	4	1, 3	
26	SKH	Hermetically sealed relay — data same as SK													
27	BOHO	Hermetically sealed relay — data same as BO													

ADDITIONAL FEATURES

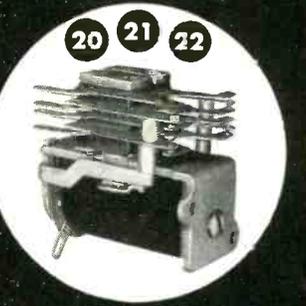
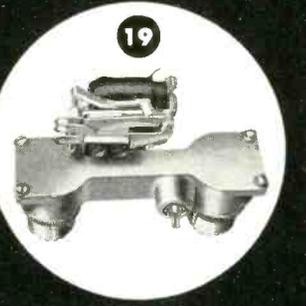
1. Available with Standard Ceramic Insulation.
2. Available with bakelite base and screw terminals.
3. Available hermetically sealed.
4. Available with auxiliary contacts.
5. Available for low capacity.
6. For intermittent operation only.
7. Available in double-break contact arrangement.
8. Available with ceramic insulation only.
9. Listed by Underwriters' Laboratories, Inc.
10. Designed to handle a maximum of 75 watts of radio frequency up to 150 megacycles when inserted in a properly terminated 52 ohm line.

NOTE 1.
Minimum coil data applies where shock and vibration are not a factor.

NOTE 2.
Maximum coil data based on 85°C rise above 20°C ambient for continuous operation except for mercury type relay which are based on 65°C ambient.

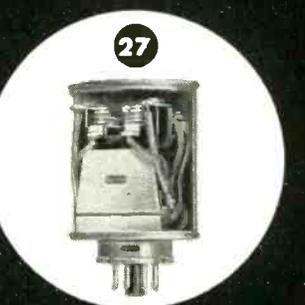
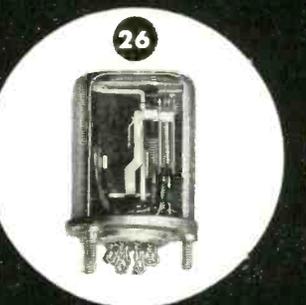
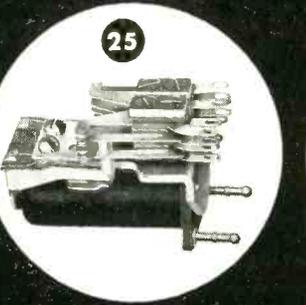
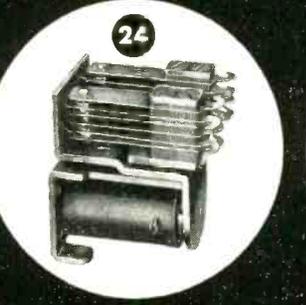
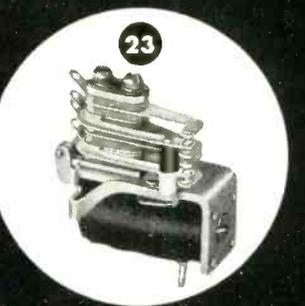


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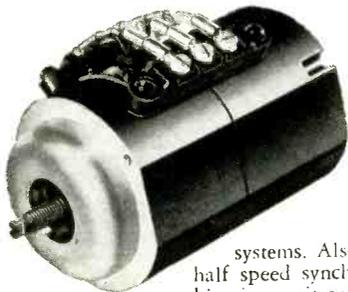
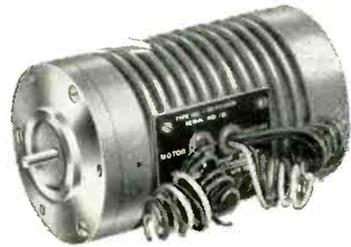


Kollsman offers additional AC units for remote indication or control applications

SYNCHRONOUS MOTORS—for timing applications where variable loads stay in exact synchronism with constant or variable frequency source. Synchronous power output up to 1/100 H.P.



MOTOR DRIVEN INDUCTION GENERATORS—combination of a 2-phase, high-torque, low-inertia induction motor and an induction generator. Used as a fast reversing servo motor. Available with maximum stall torques of 1.0 (unit shown) to 6.7 (other units) oz/in.



SYNCHRONOUS DIFFERENTIAL UNITS—electromechanical error detector with mechanical output for use in position or speed control servo systems. Also a torque-producing half speed synchroscope. Small combination unit with two variable frequency synchronous motors and differential gearing.

Output: Speed = $\frac{N_1 - N_2}{2}$; torque up to 1.0 oz/in.



TELETORQUE UNITS—precision built selsyn type units for remote indication. Accurate to ± 1 degree. Actuated by units producing as little as 4 gr/cm of torque.

DRAG CUP MOTORS—miniature 2-phase motors with high torque/inertia ratio and extremely fast stopping, starting and reversal characteristics. Suitable for many special applications requiring torque of 0.4 oz/in. or less.



GEARED INDUCTION MOTORS—miniature 2-phase servo motors with gear reducer. Desirable motor features: Maximum torque at stall with low wattage input and high torque/inertia ratio. Gear reducer conservatively rated at 25 oz/in. Maximum torque with gear ratios from 5:1 to 75,000:1 available.



Because of their high responsiveness and precision, Kollsman Special Purpose Motors are particularly suited to systems requiring extremely accurate remote indication or positive electronic control. The units shown above are only representative of a complete line which includes many similar units in various voltages and frequencies. Among them, the instrumentation or control engineer will find, in many instances, the device that fills his specifications exactly.

Reliable performance, light weight and compact size are characteristics of the entire line. In each unit is to be found the same ingenuity of design and care in manufacture that has for twenty years made Kollsman the outstanding leader in the field of aircraft instrumentation.

For full information on any or all of these Special Purpose Motors, write to: Kollsman Instrument Division, Square D Company, 80-64 45th Avenue, Elmhurst, N. Y.

KOLLSMAN INSTRUMENT DIVISION



SQUARE D COMPANY

ELMHURST, NEW YORK

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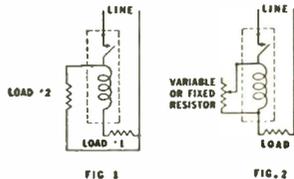
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SHORT CIRCUIT and OVERLOAD PROTECTION

Fully Electro-Magnetic Circuit Breakers—Instantaneous and Time Delay Types

Typical Wiring Diagrams

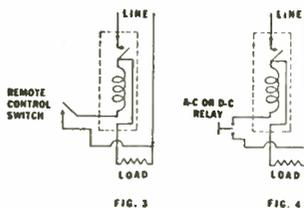


CALIBRATING TAP

Figure 1 illustrates two separate loads wired to a single pole calibrating tap Circuit Breaker. Both load #1 and load #2 are disconnected when an overload occurs in load #1.

Figure 2 illustrates the use of a variable or fixed resistor in parallel with the trip coil to gain an adjustable variation in the rating or different fixed ratings giving a wide range of calibration of the tripping point.

Innumerable combinations can be obtained by use of 2 and 3 pole Circuit Breakers.

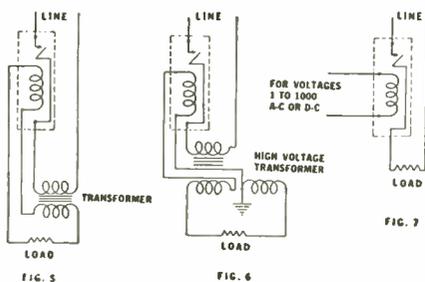


SHUNT TRIP

Figure 3 illustrates a shunt trip Circuit Breaker that can be tripped at some remote station.

Figure 4 illustrates a shunt trip Circuit Breaker that can be operated by an AC or DC relay operating a set of contacts upon which the line voltage is impressed.

These Circuit Breakers must be reclosed manually.



RELAY TRIP

Figure 5 illustrates a relay trip Circuit Breaker protecting a transformer by limiting the current in the secondary. When the Circuit Breaker is tripped the primary of the transformer is open circuited.

Figure 6 illustrates a relay trip Circuit Breaker protecting a high voltage transformer by having the relay coil inserted between the two secondary windings at the grounded terminal. When the Circuit Breaker is tripped the primary of the transformer is open circuited.

Figure 7 illustrates a relay trip Circuit Breaker operated by an independent source of current, either AC or DC, and for voltages of 1 to 1000.

Circuit Breakers

in ratings from 50 milliamperes to 50 amperes operating on circuits to 460 volts AC or 250 volts DC.

A complete line of circuit breakers furnished in both Instantaneous Trip and Time Delay types. The former trips instantly on short circuits and sudden overloads, opening the circuit even before an ammeter could indicate the amount of current.

The Time Delay Type also opens instantly on short circuits but eliminates unnecessary opening of the circuit on harmless overloads of short duration—such as that caused by inrush current when starting motor.

Time delay breakers are available in any one of 3 inverse time delays that match the characteristics of almost any circuit. The magnetic trip unit is hermetically sealed to prevent tampering. All breakers are calibrated, set and adjusted at the factory.

These breakers are available in single, two and three pole designs as illustrated; bakelite enclosed or in steel cabinets or explosion proof housings.

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1 Pole Breaker



2 Pole Breaker



3 Pole Breaker

For Every Electronic Wiring Need

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"Rome"



More and more electronic equipment and appliance manufacturers are looking to "Rome" for their wire and cable requirements. That's because in the "Rome" organization they have found . . .

- Product engineers who know and understand electronic wiring problems . . . plus an eagerness to study a customer's particular requirement and come up with the right answer.
- A broad scope of research and manufacturing facilities, with the "know-how" of developing and producing quality wires and cables that best serve the customer's needs.
- Dependable and courteous service.

Rome Synthinol and Rome Hi-Temp

Rome hook-up wires are especially designed for the chassis wiring of radio and electronic equipment. They are regularly manufactured in two types of insulation: Rome Synthinol* is a polyvinyl chloride type of thermoplastic compound, impervious to oils, acids, alkalis, moisture and flame, conforming to all requirements of Underwriters' Laboratories for 80°C appliance lead wires—300 and 600 volt ratings. Rome Hi-Temp is a rubber insulated type, possessing high resistance to heat and moisture and approved by Underwriters' for 75°C appliance lead wire use at 300 and 600 volt ratings.

RoTran

Radio Frequency Transmission Line



RoTran is particularly designed for minimum signal loss and maximum freedom from distortion of reception. The satin-smooth polyethylene insulation is practically unaffected by moisture, weath-

ering, oxidation, corona, and most chemicals, thus avoiding subsequent impedance discontinuities.

For 300 ohm RoTran conductors are #20 AWG stranded (7x#28) bare copper separated and incased in a flat pigmented polyethylene cover. It is available in either a two or three conductor type.

Rome Magnet Wire

Rome Magnet Wire is of exceptionally high quality. Every step is rigidly controlled from the rolling of the copper bar through the application of the insulation to insure a product that is free from all surface blemishes . . . all traces of oil and grease . . . that the temper is dead soft — that the insulation is uniform and true to dimensional tolerance. It is available in round, square and rectangular types and with insulation of cotton, paper, glass and asbestos.

Rome Flexible Cords

Rome Flexible cords are manufactured in a wide selection of types, sizes and insulations. They are available with insulation and outer jacket of rubber or Rome Synthinol* Thermoplastic compound in heavy, medium and light duty types. They are designed and manufactured to meet the highest electrical and mechanical standards for the particular service intended for each type.

Rome Army-Navy Hook-Up Wires

Rome Cable also manufactures a complete range of Army-Navy approved hook-up wires conforming in every respect to joint Army-Navy specifications and JAN-C-76.

Rome Special Electronic Wires and Cables

In addition to products listed above Rome Cable regularly manufactures for the electronic industry: Shielded cables for sound and radio — Low capacity microphone cables — Special control and signal cables.

If your needs cannot be met by Rome's regular line of wires and cables, our engineers will be glad to work with you in developing cable constructions which fit your special requirements.

Our research personnel, with experience and training in the electronics field, has modern laboratory and manufacturing facilities with which to find the right answer for your particular problem. On all your electronic wiring needs it will pay you to consult Rome Cable.

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FREQUENCY SHIFT EXCITER
—Provides RF drive and frequency shift keying to transmitter

B&W DISTORTION METER MODEL 400



B&W AUDIO OSCILLATOR MODEL 200

B&W AUDIO FREQUENCY METER MODEL 300



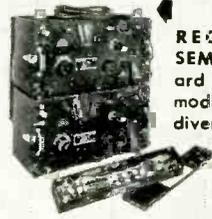
2 KW AMPLIFIER—Class C RF Amplifier. Range: 1-25 Mc's.



CONTROL UNIT—Operates as an electronic repeater in teletype lines.



DUAL DIVERSITY CONVERTER—Provides diversity mixing on frequency shift circuits.



RECEIVER ASSEMBLY—Standard Army BC-342 modified for dual diversity reception.



B&W ALL BAND FREQUENCY MULTIPLIER MODEL 504



B&W SINE WAVE CLIPPER MODEL 250



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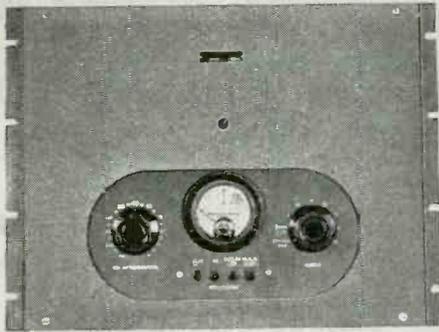
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UPPER DARBY, PA.

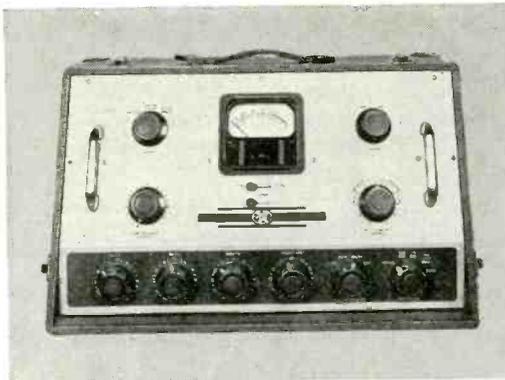


PRESTO STUDIO TAPE RECORDER . . . Measures up to most exacting requirements, yet priced moderately. Many features: three motors and three heads; frequency response 30 to 15,000 cps 1 db; signal to noise ratio — over 60 db below max. signal; fast speed, 240 ft. per second forward and rewind, instantly reversible; everything mechanical and electrical serviced from front and top.

12 good reasons PRESTO ... is out front in



92-A RECORDING AMPLIFIER. Vertically mounted chassis, all circuits easily accessible. A 60 watt amplifier, output stage has four 807's in push-pull parallel. Push-button selection of recording characteristics: flat (20-17,000 cps $\pm 1/2$ db), 78 rpm, standard NAB lateral, NAB vertical. Distortion only 1 1/2% at full output. Selector switch and meter provide output level indicator and plate readings for all tubes.



THE 90-B PORTABLE RECORDING AMPLIFIER unit incorporates the following: three channel mixing pre-amp. and line input — response: NAB, 78 rpm, and flat (30-15,000 cps)—high and low frequency equalizers—outputs for one or two turntables or a line. Provision for automatic equalization.



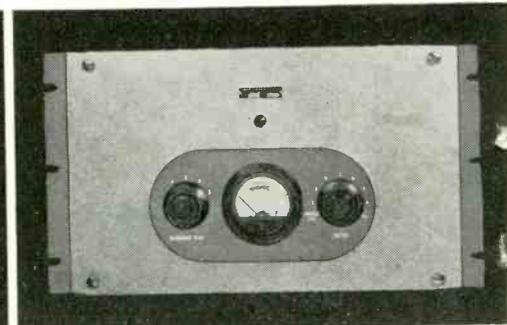
64-A TRANSCRIPTION TURNTABLE, with many exclusive features, is directly gear driven at both 33 1/3 and 78 rpm, using a separate motor for each speed. Completely eliminates error in total speed regulation, reduces mechanical disturbances to a new minimum. Double throw mercury switch changes speeds. At 33 1/3 rpm full turntable speed is reached within about 1/8 revolution.



6-N RECORDER (16") has proven ideal for most broadcast stations and recording studios because of its high quality and relatively economical cost. It is supplied in carrying case for portable and remote assignments as well as in a cabinet. Its design is of the conventional rim driven type with overhead feed mechanism.



89-A POWER AMPLIFIER is a high fidelity, medium power unit for recording or monitoring use. 25 watt output, all stages are push-pull and sufficient feedback is provided to produce a low output impedance and general performance of the 807 type tubes superior to that of triodes. Chassis constructed for vertical rack mounting, all circuits accessible. Meter and selector switch indicate output level at 1000 cps and current readings of all tubes.



41-A PEAK LIMITING AMPLIFIER controls program peaks, removes cause of overcutting and distortion in recording and over-modulation in broadcasting. Serves simultaneously as a line amplifier; its 60 db gain adequately compensates for line losses due to pads, equalizers, etc. Vertically mounted chassis, all circuits accessible. Meter and selector switch indicate amount of limiting and current readings of all tubes.

why

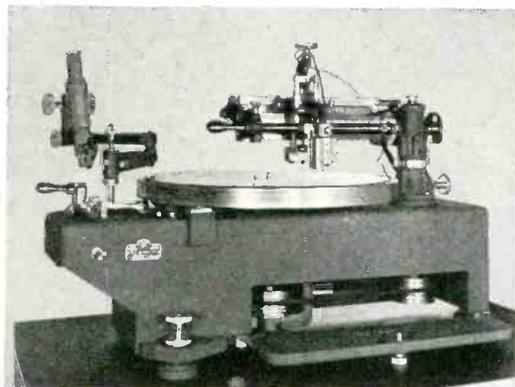
'49



66-G RECORDER (Standard and Micro-groove) combines the best features of Presto's dual-motor gear drive with the overhead mechanism and turntable of the famous Presto 6-N. This combination lists at \$996 for standard, (\$70 additional for microgroove), and gives perfect total speed regulation and very low mechanical disturbance.



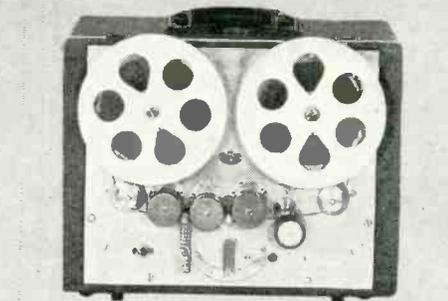
65 PLAYBACK ("PRESTO EXECUTIVE") especially designed for use in advertising agencies. It is a complete high fidelity transcription playing unit with 16" turntable, 12" speaker, high fidelity amplifier and lateral reproducer for both standard and microgroove recordings. Microphone input for auditioning live talent. (Microphone extra equipment.)



8D AND 8D-G RECORDERS (16") are of unusually heavy construction and include such features as a cantilever type overhead, reversing gear on the feed screw and belt driven feed with 7 different feed pitches in each direction. 8D is a conventional rim driven unit; 8D-G, directly gear driven at 33 1/3 and 78 rpm by Presto's exclusive dual-motor drive mechanism which eliminates total speed variation and greatly reduces mechanical disturbances.



More than fifteen years ago, Presto developed the first lacquer-coated recording disc. Today Presto's instantaneous recording and master discs are the finest known to the trade.



PORTABLE TAPE RECORDER 900-P . . . Complete in two easily portable cases. Includes three heads for superior performance, three microphone channels in amplifier, Weston type V. U. meter, 2-speed single motor drive. New, and the finest recorder of its type available anywhere.

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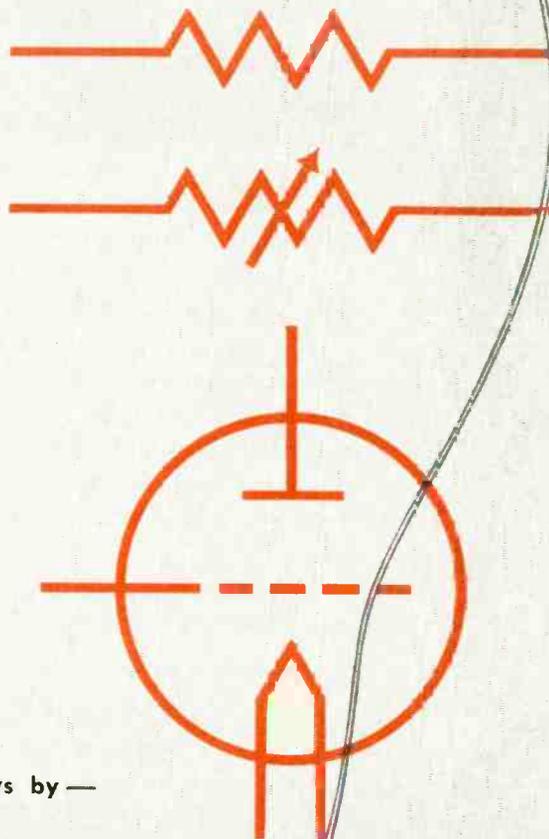
There are Driver-Harris Alloys for every electrical resistance requirement. Most widely used are:

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- . . . Advance*, most frequently specified for precision resistors in electric meters and laboratory testing devices, because in its finer sizes it has a temperature coefficient of only $\pm 0.00002/^\circ\text{C}$.
- . . . Karma*, high ohmage, 800 ohms/cmft at 20°C ., makes possible extremely small resistors. Especially suitable for service in resistors requiring negligible temperature coefficient of resistance. Thermal e.m.f. against copper only .002 millivolts 1°C . between 0°C . and 100°C . Where mechanical strength is important, larger diameter Karma wire can be used for a given resistance per foot.
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- Other widely accepted D-H Alloys, meeting or exceeding most radio specifications are: Nilvar*, #42 Alloy, #52 Alloy, and Nickel "A", "D", "E", "Z".



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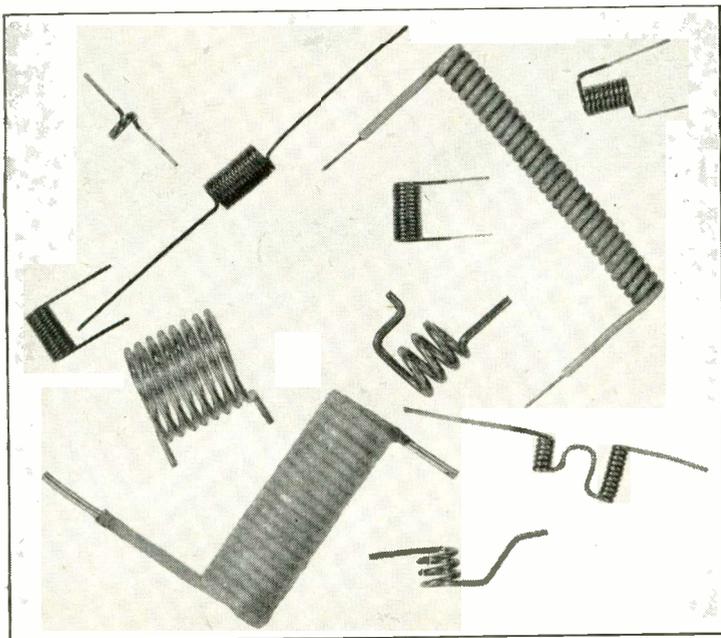


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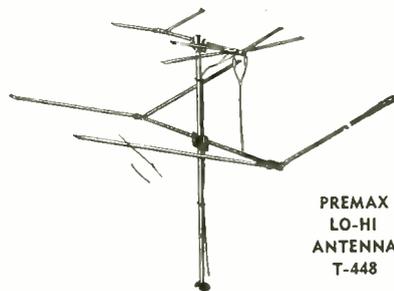
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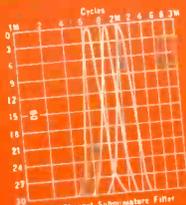
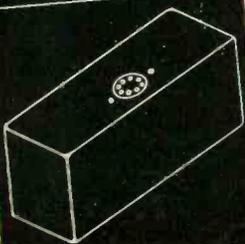
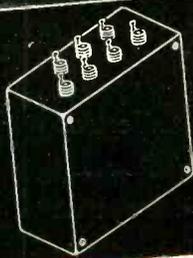
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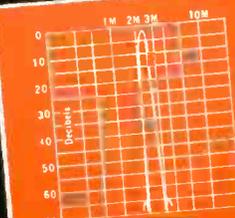
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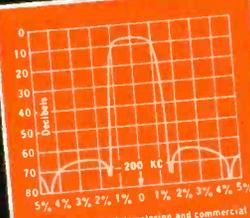
In any technical business the specialist has a unique value in his specific field. It is logical that a manufacturer of a specialty product should be of greater value in his particular field.



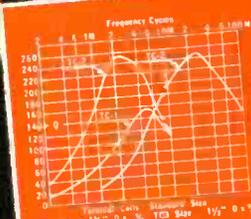
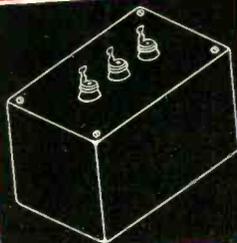
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Volume 5 cm. inches



Telemetering Filters in sets up to 20 channels.



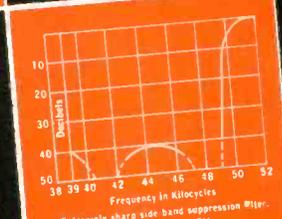
Crystal filters for telemetering and commercial radio.



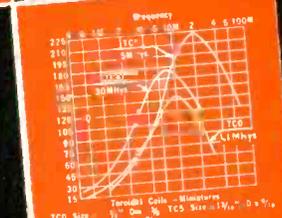
Toroidal Coils - Stimulators
TC1 Size = 1 1/2" x 1 1/2" x 1 1/2" TC2 Size = 1 1/2" x 1 1/2" x 1 1/2"



Audio discriminators for FM multi-channel applications.

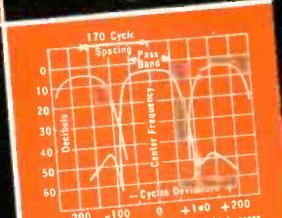
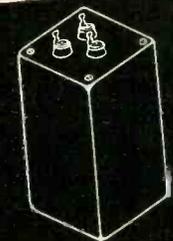


Extremely sharp side band suppression filter.
Size: 2 1/2" x 4" x 2 1/2"



Toroidal Coils - Stimulators
TC3 Size = 1 1/2" x 1 1/2" x 1 1/2" TC4 Size = 1 1/2" x 1 1/2" x 1 1/2"

As one of the largest producers of toroidal coils and filters Burnell & Co's facilities and production experience have been of immeasurable technical and economical value to our customers. Many engineers have benefited by our prompt technical service. Why not bring your network problem to us for the most practical and economical solution?



Tone channel filter for extremely high cross over attenuation requirement.
Size: 2 1/2" x 2 1/2" x 3"



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SMITH'S New-type Metallized Condenser Paper not only reduces space factor by eliminating the use of electrodes, but gives longer life, higher dielectric strength, and ends forever the disastrous effects of breakdowns.

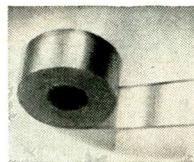
NEW!!! NEW!!! Never before has anything like Smith Metallized Condenser Paper been offered the Electric and Electronic Industries.

It's here! Today . . . now . . . Smith Paper, Inc. makes available its new Metallized Condenser Paper that bids fair to revolutionize the entire electric and electronic field. Smith Metallized Condenser Paper makes possible the first one-layer condenser with an .0003" dielectric material. It also makes possible a 75% saving in space factor over most conventional capacitors. And because of its self-healing characteristics it almost completely eliminates the factor of conducting particles and the usual serious effect of a breakdown.

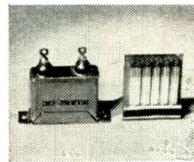
Answers a long-unfilled need. Design engineers since earliest days of the capacitor industry have sought capacitors that would provide higher capacities, smaller space factors, higher dielectric strength, longer life characteristics, and the elimination of breakdown causes. Since such improvements in design have been limited by the dielectric materials available, the introduction of Smith's Metallized Paper will prove a great boon towards the attainment of these special characteristics. This industry-sought paper not only permits 75% savings in space

factor, but also provides other extraordinary advantages.

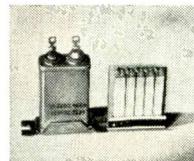
Increased insulation resistance. It has been found in the manufacture of metallized paper that by covering the base Kraft Condenser sheet with an extremely thin, continuous and uniform film of lacquer, a marked increase in insulation resistance is obtained. This lacquering causes an increase in the thickness of .00030 condenser paper of .03 - .05 mils; while the succeeding zinc coating operation causes an increase in thickness of 3-5 millionths of an inch.



Metallized Paper



1 MFD—400 WVDC



4 MFD—150 WVDC

Capacitor samples courtesy Solar Manufacturing Corp., North Bergen, N. J.

voltage, but the effects of the breakdown are sufficient to cause a re-insulation around the breakdown area so that the capacitor is satisfactory for continued use. Numerous breakdowns do not appear to impair this self-healing characteristic. Smith Paper, by taking advantage of this property, is able to furnish a metallized paper devoid of particles which are conducting at the usual test voltages.

Automatically Controlled. Today equipment has been perfected for automatically controlling and continuously recording (where necessary) such properties as lacquer thickness and consistency, thickness of the metal layer, color and resistance of the metal layer, width of margin, etc. — all important characteristics of the product, the close control of which is essential for the best design and manufacture of metallized paper capacitors.

Self-healing on breakdowns. Another of the outstanding properties of metallized paper is its capacity to self-heal on a breakdown. In other words, a capacitor wound with metallized paper may be brought to a breakdown

Complete facts available. All facts on Smith Metallized Condenser Paper as it applies to your industry may be had on request. Simply address Smith Paper, Inc., Lee, Massachusetts. There is no obligation.

SMITH PAPER, INC.

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BARRYMOUNTS

THE BEST WAY TO CONTROL SHOCK AND VIBRATION

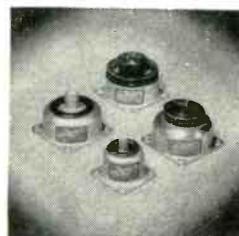


AIRCRAFT MOUNTING BASES

Standard bases with dimensions to government specifications. Special bases to customers' exact requirements.

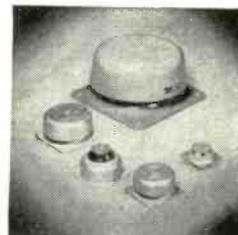
AIRCRAFT VIBRATION ISOLATORS

Unit isolators designed to meet Army, Navy, and CAA requirements. Stock mountings — 1/4 pound to 45 pound load range. Others on order.



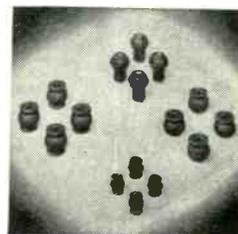
SHOCK MOUNTINGS

For mobile, railroad, and shipboard electronic and electrical equipment. Also for isolation above 2000 c.p.m., and for general sound isolation.



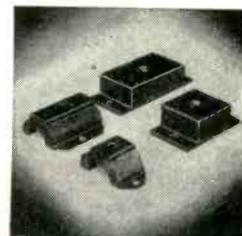
INSTRUMENT MOUNTINGS

For electronic components, tiny fractional H.P. motors, record changers, dictating machines, and other lightweight apparatus.



INDUSTRIAL MOUNTINGS

For fans, motor generator sets, transformers, presses, and other heavy industrial equipment.



SPECIAL MOUNTINGS - CONSULTING SERVICES

Mountings designed and built for special applications. Consulting Engineering Service for research, product design, and laboratory testing.

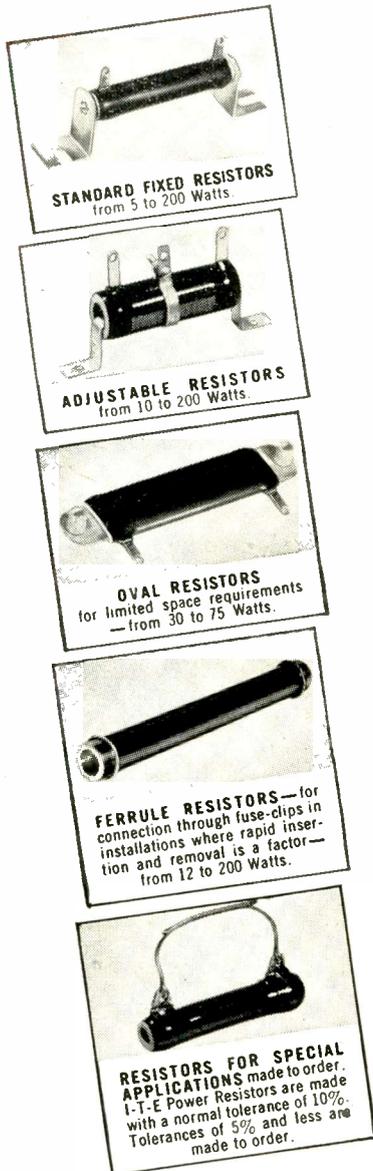
THE **BARRY** CORP.

191 SIDNEY STREET
CAMBRIDGE 39, MASS.

NEW YORK PHILADELPHIA WASHINGTON
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FOR ASSURED SHOCK AND VIBRATION CONTROL

To be sure of
more dependable performance
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● Now you can secure modern electronic products, specially designed to meet the exacting and changing needs of the electronics industry. All I-T-E wire-wound components are *engineered for quality* — given the same thought in design, the same care in fabrication that the most complicated I-T-E Switchgear devices receive.

Whatever your wire-wound needs, it will pay you to investigate I-T-E *precision-built* products. For complete information on any of these products — or for information on special wire-wound fabrications — write us specifying your needs.

I-T-E STANDARD AND OVAL POWER RESISTORS

All I-T-E Standard and Oval Power Resistors are ruggedly constructed, fully capable of meeting the most critical conditions of heavy usage. Bases are made of best, non-hygroscopic ceramics. Terminals are tinned, double-leaf tabs, securely fastened to ceramic base tube. Resistance wires are purest obtainable; and are uniformly wound, mechanically tied, and silver-soldered for permanent, solid connections. The glazed, moisture-repellent surface is made of blue-black vitreous enamel or organic coating, if specially ordered, which locks and insulates the wire winding, and provides fast heat dissipation.



PRECISION-BUILT

I-T-E CIRCUIT BREAKER COMPANY

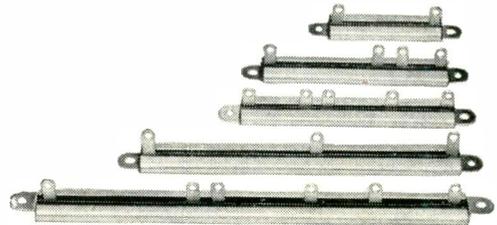
RESISTOR DIVISION, 19th & HAMILTON STS. • PHILADELPHIA 30, PA.

I-T-E

Precision Built RESISTORS • DEFLECTION YOKES FOCUS COILS

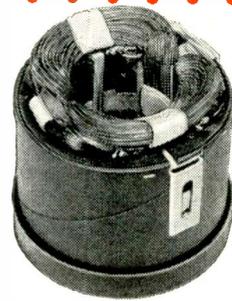
I-T-E "METCLADS" (Metal-Clad Resistors)

These precision built metal-clad resistors are made of high grade resistance wire, wound on a special heat resistant bakelite strip, insulated by special phenolic insulation. The resistance element is completely enclosed in a metal case of either brass or zinc plated steel to provide an efficient path to dissipate heat to the chassis. The brass terminals are securely anchored to the wire wound bakelite strip and are tinned for easy soldering. I-T-E "Metclad" resistors are available in length from 2" to 12"; in wattage from 7 to 42. They may be had in various mountings to customer's specifications.



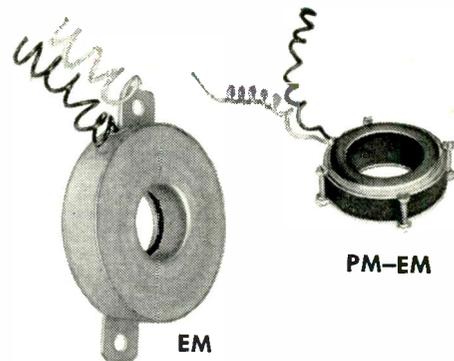
I-T-E DEFLECTION YOKES

Deflection yokes are built with uniform characteristics; wire size and quality is constantly checked. The coils are impregnated in a special moisture resistant thermo plastic material properly cured to insure a firm coil with the minimum of losses. Deflection yokes may be obtained complete with wire leads, resistors and capacitors to customer's specifications.



I-T-E FOCUS COILS

I-T-E Focus Coils are available in two types: The first type utilizes an electro-magnet. The second type combines a permanent magnet with an adjustable electro-magnet. Both are wound of finest enameled uniform-cross-section copper wire. Leads are securely anchored, and the entire wound assembly is enclosed in a pressed-steel case, which is zinc-plated to resist corrosion. PM-EM construction makes possible the use of smaller and less expensive power supply, retains proper focusing longer, and minimizes temperature rise. I-T-E Focus Coils are made for use with tubes 10", 12", and 16" in size. Information required to manufacture: Type of tube; second anode voltage; focusing current. Mountings and leads are made to specifications.



WIRE WOUND PRODUCTS

SWITCHGEAR • UNIT SUBSTATIONS • ISOLATED PHASE BUS STRUCTURES
AUTOMATIC RECLOSING CIRCUIT BREAKERS • RESISTORS • SPECIAL PRODUCTS



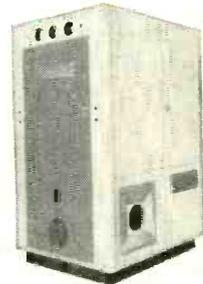
**It's
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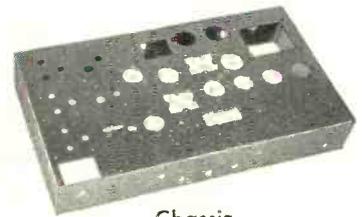
TV Monitor Console



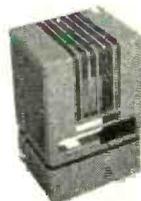
Desk Panel Cabinet Rack



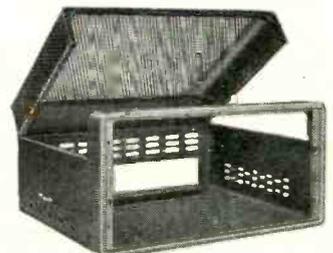
Induction Heater Housing



Chassis



Marine Radio Housing



Cabinet

How Karp Makes Custom-Built Metal Cabinets and Boxes at Prices that Compete with those of Stock Items

The advantages and true economies of Karp custom-built cabinets, boxes, or housings over stock items are these:

- Your own exclusive design distinguishes and "styles" your product . . . gives it more market value.
- Flexibility of construction details speeds and simplifies your final assembly—saving you time and money.
- Our vast stock of dies can save you special die costs.
- Our 70,000 square feet of modern plant, with hundreds of craftsmen, means ample capacity for many types of work—simple or elaborate—at one time.
- Plant is fully equipped with every mechanical facility that aids economical production.
- Finishing is done in dustproof paint shop, with latest water-washed spray booths and gas-fired ovens mechanically and electronically controlled.
- We make no stock items or products of our own. Our plant, time and effort are 100% for our customers' work.
- Our engineering staff can help solve any possible design and production problems.
- It's results that count—and we give you the results you want.

Write for illustrated data book describing our facilities and showing the wide range of sheet metal fabrication we do.

CABINETS • BOXES • CHASSIS • HOUSINGS • ENCLOSURES

KARP METAL PRODUCTS CO., INC.

225 63rd STREET, BROOKLYN 20, NEW YORK

Custom Craftsmen in Sheet Metal

SPERRY GYROSCOPE COMPANY

Klystrons A complete line of Sperry Klystron tubes covering a range of 750-15,000 megacycles is available for industrial use. These include transmitting types and local oscillators.

Type	Description	Frequency Range	Power Output	Beam Voltage	Reflector Voltage	Fittings
2K41	Low Reflex Oscillator	2660-3310	250mw*	1250	-750	2-SKL
2K42	Low Reflex Oscillator	3300-4200	250mw*	1250	-750	1-SKL
2K43	Low Reflex Oscillator	4200-5700	250mw*	1250	-750	1-SKL
2K44	Low Reflex Oscillator	5700-7500	250mw*	1250	-750	1-SKL
2K39	Low Reflex Oscillator	7500-10,300	250mw*	1250	-750	1-SKL
SRX16	Low Reflex Oscillator	10,000-15,000	50-20mw	1250	-750	1-SKL
3K27	Med. Reflex Oscillator	750-960	1-3w	1000	-1500	1-SKL
3K23	Med. Reflex Oscillator	950-1150	1-5w	1000	-1500	2-SKL
SRL4	Med. Reflex Oscillator	1145-1600	5-10w	1000	-1000	Type N
SRL7A	Med. Reflex Oscillator	1825-2100	5-10w	1000	-1000	Type N
SRL6	Med. Reflex Oscillator	2220-2540	5-10w	1000	-1000	Type N
SRC20	WG Reflex	4400-4600	1-5w	1000	-1000	Waveguide (2"x1")
SRC21	WG Reflex	4600-4800	1-5w	1000	-1000	Waveguide (2"x1")
SRC12	WG Reflex	4800-5000	1-5w	1000	-1000	Waveguide (2"x1")
SRC13	WG Reflex	5000-5200	1-5w	1000	-1000	Waveguide (2"x1")
SRC8 Series	26 Reflex Oscillators	5500-7800	0.2-1.5w	1250	-1750	Waveguide (1 1/2"x3/4")
3K21	Oscillator Amplifier	2300-2725	15-20w	3000	none	4-SKL
3K30	Oscillator Amplifier	2700-3300	20-30w	3000	none	4-SKL
3K22	Oscillator Amplifier	3300-4000	15-20w	3000	none	4-SKL
2K47	Frequency Multiplier	250-280 in 2250-3360 out	125-250mw	1000	none	4-SKL
2K46	Amplifier-Multiplier	2730-3330 in 8190-10,000 out	10-70mw	1500	none	5-SKL
2K34	Oscillator-Buffer	2730-3330	16w*	3000	none	2-SKL
2K35	Cascade-Amplifier	2730-3330	25-35w	3000	none	3-SKL

*Minimum rated power output.

Microline test equipment

In this group of test equipment is virtually every type of instrument essential to precision microwave measurements, covering every microwave frequency band.

Microline test instruments are also available in waveguide sizes for frequencies from 12,400 to 18,000 mc; 18,000 to 26,500 mc; and 26,500 to 40,000 mc. Each of these instruments does not cover the entire band width listed here; however as much band width as possible is maintained limited only by the utility and accuracy required. Development of new instruments is continuous. Your inquiry for special requirements is solicited.

SHORTS

Model	Description	Frequency Range mc	Fitting
114A	2"x1" Waveguide	4000-6000	Fits into line
203	1 1/2"x3/4" Waveguide	5300-8100	UG-344/U
371	0.360"x0.220" Waveguide	26,500-39,000	UG-381/U
377	1"x1/2" Waveguide	8100-12,400	UG-39/U
636	3/8" Coaxial	750-4000	UG-46/U-Female

ATTENUATORS

Model	Description	Frequency Range mc	Attenuation Range	Accuracy	Power Capacity	Fittings
110	Variable	4000-6000	0-20 db	Uncalibrated	1w	UG-148/U & UG-149/U (2"x1")
127A	Precision Variable	29-32	15-95 db	±0.1 db	1w	UG-19/U (Type N)
134A	Calibrated Variable	8500-9600	2-45 db	±0.5 db	1w	UG-39/U (1"x1/2")
152	Variable	8500-9600	2-15 db	Uncalibrated	1w	UG-39/U (1"x1/2")
173	Calibrated Fixed	8500-9600	3 db	±0.5 db	1w	UG-39/U (1"x1/2")
174	Calibrated Fixed	8500-9600	6 db	±0.5 db	1w	UG-39/U (1"x1/2")
183	Calibrated Fixed	8500-9600	10 db	±0.5 db	1w	UG-39/U (1"x1/2")
215	Calibrated Variable	5300-8200	2-20 db	±1.0 db	1w	UG-344/U (1 1/2"x3/4")
216	Variable	5300-8200	2-20 db	Uncalibrated	1w	UG-344/U (1 1/2"x3/4")
289	Variable	4000-6000	2-20 db	Uncalibrated	1w	UG-149/U (2"x1")
290	Calibrated Variable	4000-6000	2-20 db	±1.0 db	1w	UG-149/U (2"x1")
292	Variable	7050-10,000	2-20 db	Uncalibrated	1w	UG-51/U (1 1/4"x3/4")
293	Calibrated Variable	7050-10,000	2-20 db	±1.0 db	1w	UG-51/U (1 1/4"x3/4")
294	Variable	2600-4000	2-20 db	Uncalibrated	1w	UG-53/U (3"x1 1/2")
295	Variable	2700-4000	2-20 db	Uncalibrated	1w	UG-53/U (3"x1 1/2")
374	Variable	26,500-39,000	10 db	Uncalibrated	1/2w	UG-381/U (0.360"x0.220")

DETECTORS AND MIXERS

Model	Description	Frequency Range mc	Detector Element	Fittings		
				Input	Local osc.	Output
337	Mixer, CV-52/U 3/8" Coaxial	2600-4000	1N23B Crystal	Type N Female	Type N	UHF
357	Detector, 0.702" Waveguide	12,000-18,000	1N26 Crystal	UG-419/U	none	UHF
358	Detector, 1/2" x 3/4" Waveguide	18,000-26,500	1N26 Crystal	UG-425/U	none	UHF
359	Detector, 0.360" x 0.220" Waveguide	26,500-39,000	1N53 Crystal	UG-381/U	none	UHF
360	Detector, 1" x 1/2" Waveguide	7500-10,300	1N23B Crystal 821 Barreter	UG-39/U	none	UHF

ADAPTERS

Model	Description	Frequency Range mc	Fittings	
			Input	Output
100A	3/8" Coaxial to 2"x1" Waveguide	4000-6000	UG-140/U Male	UG-149/U
101A	3/8" Coaxial to Type N	0-7050	UG-140/U Male	UG-20/U Female
144A	3"x1/2" Waveguide to 3/8" Coaxial	2600-4000	UG-53/U	UG-45/U Male
167A	1"x1/2" Waveguide to Type N	8100-12,400	UG-39/U Flange	UG-20/U Female
204	1 1/2"x3/4" Waveguide to Type N	5300-8200	UG-344/U	UG-20/U Female
217	3/8" Coaxial to Type N	0-4000	UG-46/U Female	UG-20/U Female
248	2"x1" Waveguide to Type N	4000-6000	UG-149/U	UG-20/U Female
249	1 1/4"x3/8" Waveguide to Type N	7050-10,000	UG-51/U	UG-20/U Female
250	3"x1 1/2" Waveguide to Type N	2600-4000	UG-53/U	UG-20/U Female
352A	3/8" Coaxial to Type N	0-4000	UG-45/U Male	UG-20/U Female
354A	3/8" Coaxial to 3/8" Coaxial	0-4000	UG-45/U	UG-45/U
355A	3/8" Coaxial to 3/8" Coaxial	0-4000	UG-46/U	UG-46/U

TERMINATIONS

Model	Description	Frequency Range mc	Power Capacity	VSWR	Fittings
105	2"x1" Waveguide	4000-6000	1w	1.03	UG-149/U
150	1"x½" Waveguide	8100-12,400	0.5w	1.04	UG-39/U
113	2"x1" Waveguide	4000-6000	500w	1.15	UG-149/U
181	Type N	8100-10,000	2w	1.2	UG-18/U Male
213	1½"x¾" Waveguide	5300-8200	150w	1.10	UG-344/U
214	1½"x¾" Waveguide	5300-8200	1w	1.04	UG-344/U
246	1"x½" Waveguide	8100-12,400	100w	1.10	UG-39/U
637	¾" Coaxial	600-3500	12w	1.2	UG-46/U Female

IMPEDANCE METERS

Model	Description	Frequency Range mc	Reading Accuracy	Absolute Accuracy	Insertion Loss	Fittings	
						Input	Output
103A	2"x1" Waveguide	4000-6000	±0.1mm	±2%	0.03 db	UG-149/U	UG-149/U
116A	¾" Coaxial	4000-6000	±0.1mm	±2%	0.03 db	UG-141/U Female	UG-140/U Male
145	1"x½" Waveguide	8100-12,500	±0.1mm	±2%	0.03 db	UG-39/U	UG-39/U
201	1½"x¾" Waveguide	5300-8200	±0.1mm	±2%	0.03 db	UG-344/U	UG-344/U
320	½"x¼" Waveguide	18,000-26,500	±0.1mm	±2%	0.05 db	UG-425/U	UG-425/U
346	0.360"x0.220" Waveguide	26,500-39,000	±0.1mm	±2%	0.05 db	UG-381/U	UG-381/U
361A	¾" Coaxial	600-3500	±0.1mm	±3%	0.03 db	UG-46/U Female	UG-45/U Male

FREQUENCY METERS

Model	Description	Frequency Range mc	Absolute Accuracy	Approx. Loaded Q	Fittings	
					R-F	Video
S22	Detector Wave-meter Kit	2400-3400	1/2000	1500	UG-18/U	UHF
27A	Coaxial	3500-6500	1/1000	800	UG-18/U	UHF
28B	Cavity	4050-6000	1/10,000	10,000	UG-149/U (2"x1")	UHF
124B	Broadband Coaxial	660-3000	1/2000	500-600	UG-18/U	UHF
126	Coaxial	8500-9600	1/2000	1000	UG-39/U (1"x½")	UG-39/U (1"x½")
207	Coaxial	5300-8100	1/2000	1000	UG-18/U	UHF
208	Cavity	5490-8100	1/10,000	10,000	UG-150/U (1½"x¾")	UHF
273	Cavity	8100-11,900	1/10,000	5000	UG-39/U	UHF
291A	Cavity	2570-3750	1/20,000	10,000 to 16,000	UG-18/U	UHF
349	Cavity Low Q	19,000-26,000	1/1000	450	UG-425/U	none
350	Cavity Low Q	26,500-39,000	1/1000	450	UG-381/U	none

IMPEDANCE TRANSFORMERS

Model	Description	Frequency Range mc	Max. VSWR	Fittings
34A	Triple-Stub ¾" Coaxial	1700-3750	50-100	UG-46/U & UG-45/U
109A	Double-Slug 2"x1" Waveguide	4000-6000	8-15	UG-149/U
117A	Susceptance 2"x1" Waveguide	4000-6000	40	UG-149/U
146	Double-Slug 1"x½" Waveguide	8100-12,400	8-14	UG-39/U
178	Susceptance 1"x½" Waveguide	8100-12,400	40	UG-39/U
202	Susceptance 1½"x¾" Waveguide	5300-8200	40	UG-344/U
363	Double-Slug ¾" Coaxial	650-3700	6-12	UG-46/U & UG-45/U

BARRETT MOUNTS

Model	Description	Barretter Type	Frequency Range mc	Max. VSWR	Fittings	
					Input	Output
83A	2"x1" Waveguide	821	4600-5650	1.50	UG-148/U	UHF
85	Type N Coaxial	821	2700-2900	1.50	UG-18/U Male	UHF
148	¾" Coaxial (tunable)	811	500-2500	2.00	UG-46/U	UHF
163	Type N Coaxial	821	2500-2700	1.50	UG-18/U Male	UHF
164	Type N Coaxial	821	2900-3100	1.50	UG-18/U Male	UHF
184	1"x½" Waveguide	821	8500-9600	1.50	UG-39/U	UHF
212	1½"x¾" Waveguide	821	6000-7000	1.50	UG-344/U	UHF
245	2"x1" Waveguide	821	3700-4500	1.50	UG-149/U	UHF
253	1½"x¾" Waveguide	821	5300-6600	1.50	UG-344/U	UHF
285	Type N Coaxial	821	3100-3300	1.50	UG-18/U Male	UHF
313	1½"x¾" Waveguide	821	6600-8100	1.50	UG-344/U	UHF

HORNS

Model	Description	AN Designation	Frequency Range mc	Gain db	Beam Width	VS WR	Fittings
175	Type N	AT-68/UP	8500-9600	9.4	50°	1.5	Type N

Other test antennae available on special order.

TEES AND BENDS

Model	Description	Frequency Range mc	Fittings
106A	2"x1" Waveguide—Series Tee	4000-6000	UG-149/U
107A	2"x1" Waveguide—Shunt Tee	4000-6000	UG-149/U
165A	1"x½" Waveguide—Series Tee	8100-12,400	UG-39/U
166A	1"x½" Waveguide—Shunt Tee	8100-12,400	UG-39/U
170	1"x½" Waveguide—E-Plane Bend	8100-12,400	UG-39/U
171	1"x½" Waveguide—H-Plane Bend	8100-12,400	UG-39/U
274	3"x1½" Waveguide—Series Tee	2600-4000	UG-53/U
275	3"x1½" Waveguide—Shunt Tee	2600-4000	UG-53/U
276	1½"x¾" Waveguide—Series Tee	5300-8200	UG-344/U
277	1½"x¾" Waveguide—Shunt Tee	5300-8200	UG-344/U
278	1¼"x¾" Waveguide—Series Tee	7050-10,000	UG-51/U
279	1¼"x¾" Waveguide—Shunt Tee	7050-10,000	UG-51/U
392	0.702"x0.391" Waveguide—Series Tee	12,400-18,000	UG-419/U
393	0.702"x0.391" Waveguide—Shunt Tee	12,400-18,000	UG-419/U
394	½"x¼" Waveguide—Series Tee	18,000-26,500	UG-425/U
395	½"x¼" Waveguide—Shunt Tee	18,000-26,500	UG-425/U
396	0.360"x0.220" Waveguide—Series Tee	26,500-39,000	UG-381/U
397	0.360"x0.220" Waveguide—Shunt Tee	26,500-39,000	UG-381/U

DIRECTIONAL COUPLERS

Model	Description	Frequency Range mc	Coupl. Attenuation	Fittings		
				Line In	Line Out	Auxiliary
209	1½"x¾" Waveguide	5300-8100	24 db	UG-344/U	UG-344/U	UG-344/U
233	2"x1" Waveguide	4000-6000	24 db	UG-149/U	UG-149/U	UG-149/U
234	1"x½" Waveguide	8100-12,400	40 db	UG-39/U	UG-39/U	UG-39/U
235	1"x½" Waveguide	8100-12,400	20 db	UG-39/U	UG-39/U	UG-39/U
236	1"x½" Waveguide	8100-12,400	24 db	UG-39/U	UG-39/U	UG-39/U
237	1½"x¾" Waveguide	5300-8100	30 db	UG-344/U	UG-344/U	UG-344/U
321	2"x1" Waveguide	4000-6000	30 db	UG-149/U	UG-149/U	UG-149/U
322	2"x1" Waveguide	4000-6000	40 db	UG-149/U	UG-149/U	UG-149/U
405	0.360"x0.220" Waveguide	26,500-39,000	20 db	UG-381/U	UG-381/U	UG-381/U
413	½"x¼" Waveguide	18,000-26,500	20 db	UG-425/U	UG-425/U	UG-425/U
415	½"x¼" Waveguide	18,000-26,500	40 db	UG-425/U	UG-425/U	UG-425/U
711	¾" Coaxial	950-1150	40 db	UG-46/U	UG-45/U	UG-45/U
712	¾" Coaxial	1080-1300	40 db	UG-46/U	UG-45/U	UG-45/U
714	¾" Coaxial	1260-1540	40 db	UG-46/U	UG-45/U	UG-45/U
730	¾" Coaxial	2470-3130	26.6 db	UG-46/U	UG-20/U (Type N)	UG-45/U
775	¾" Coaxial	660-840	40 db	UG-46/U	UG-45/U	UG-45/U
794	¾" Coaxial	830-1050	40 db	UG-46/U	UG-45/U	UG-45/U

Other Sperry electronic instruments and components in stock: Marine and aeronautical navigation devices, vibration and balancing analyzers, and microwave radar analyzers.

Other Sperry electronic instruments and components designed and manufactured for special applications: Coils, transformers, small motors, communication systems, remote controls, special test equipment and navigation devices.

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SPERRY GYROSCOPE COMPANY

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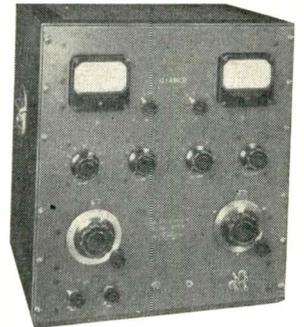
INSTRUMENTS & COMPONENTS!

HIGH FIDELITY OUTPUT TRANSFORMERS "Q" INDICATOR



Type No.	Primary matches following typical tubes	Primary Impedance	Secondary Impedance	± V _o /db From	Maximum level
F190	Push pull 2A7, 6AS6, 300A's, 275A's, 6A3's, 6L6's	5000 ohms	500, 333, 250, 200, 125, 50	20-30000 cycles	15 watts
F191	Push pull 2A7, 6AS6, 300A's, 275A's, 6A3's, 6L6's	8000 ohms	30, 20, 15, 10, 7.5, 5, 2.5, 1.2	20-30000 cycles	15 watts
F194	Push pull 2A5, 250, 6V6, 42 or 1A5 A prime	8000 ohms	500, 333, 250, 200, 125, 50	20-30000 cycles	15 watts
F195	Push pull 2A5, 250, 6V6, 42 or 2A5 A prime	8000 ohms	500, 333, 250, 200, 125, 50	20-30000 cycles	15 watts
F198	Push pull 6B8, 6A6, 53, 6F4, 5Y, 7Y, 8L, 6V6, Class B 46, 5Y	10,000 ohms	30, 20, 15, 10, 7.5, 5, 2.5, 1.2	20-30000 cycles	15 watts
F199	Push pull 6B8, 6A6, 53, 6F4, 5Y, 7Y, 8L, 6V6, Class B 46, 5Y	10,000 ohms	30, 20, 15, 10, 7.5, 5, 2.5, 1.2	20-30000 cycles	15 watts
F162	Push pull parallel 2A3's, 6AS6's, 300A's, 6A3's, 6L6's	2500 ohms	600, 333, 250, 200, 125, 50	20-30000 cycles	36 watts
F163	Push pull parallel 2A3's, 6AS6's, 300A's, 6A3's, 6L6's	3500 ohms	600, 333, 250, 200, 125, 50	20-30000 cycles	36 watts
F166	Push pull 6L6 or Push pull parallel 6L6	3800 ohms	600, 333, 250, 200, 125, 50	20-30000 cycles	50 watts
F167	Push pull 6L6 or Push pull parallel 6L6	3800 ohms	30, 20, 15, 10, 7.5, 5, 2.5, 1.2	20-30000 cycles	50 watts

No. 1030 Frequency range from 20 cycles to 50 kilocycles. "Q" range from .5 to 500. "Q" of inductors can be measured with up to 50 volts across the coil. Indispensable instrument for measurement of "Q" and inductance of coils, "Q" and capacitance of capacitors, dielectric losses, and power factor of insulating materials.



COMPARISON BRIDGE

No. 1010 An invaluable instrument for precision laboratory adjustment and incoming inspection of resistors, capacitors and inductors. . . Entirely self-contained, A.C. operated and includes a three frequency oscillator, an A.C. bridge and a null detector.

INCREMENTAL INDUCTANCE BRIDGE

IMPEDANCE RANGE: One millihenry to 1000 henries in five ranges. Inductance values are read directly from a four dial decade and multiplier switch. This range can be extended to 10,000 henries by the use of an external resistance.

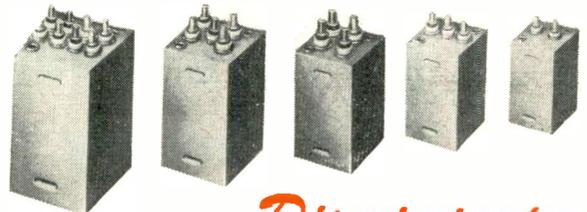
INDUCTANCE ACCURACY: Within plus or minus 1% through the frequency range from 60 to 1000 cycles.

NULL DETECTOR

No. 1140 For bridge measurements, providing visual null indications or aural indications when used in conjunction with headphones. The unit may also be used as a high gain amplifier for general laboratory work. Functionally, the instrument consists of a high gain linear amplifier with a 30 db input attenuator in addition to the variable gain control. Output voltage is 40 volts undistorted into 1 megohm load, and 10 volts into 20,000 ohms.



HERMETICALLY SEALED COMPONENTS



Discriminators

For telemetering and remote control applications using audio and superonic frequency subcarriers.

Decade Inductors

No. 1160
10 x 1 HY steps
10 x .01 HY steps
10 x .001 HY steps
500-15,000 cycles



No. 1161
10 x .1 HY steps
10 x .01 HY steps
10 x .001 HY steps
2000-50,000 cycles



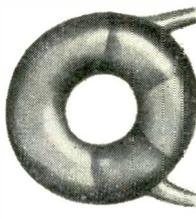
No. 1162
10 x .01 HY steps
10 x .001 HY steps
10 x .0001 HY steps
10,000-300,000 cycles



No. 1164
10 x 10 HY steps
10 x 1 HY steps
10 x .1 HY steps
50-1000 cycles



Toroidal Inductors



Type T1 1000-15,000 cycles		Type T1-2 2000-30,000 cycles		Type T1-3 10,000-300,000 cycles	
Inductance Value	Type	Inductance Value	Type	Inductance Value	Type
5 MHV	F-800T	1 MH	F-1800	.5 MH	F-1850
10 MHV	F-801T	2 MH	F-1801	1 MH	F-1851
15 MHV	F-802T	3 MH	F-1802	2 MH	F-1852
30 MHV	F-803T	4 MH	F-1803	3 MH	F-1853
50 MHV	F-804T	5 MH	F-1804	4 MH	F-1854
75 MHV	F-805T	10 MH	F-1805	5 MH	F-1855
100 MHV	F-806T	15 MH	F-1806	10 MH	F-1856
200 MHV	F-808T	30 MH	F-1808	20 MH	F-1857
500 MHV	F-809T	50 MH	F-1809	30 MH	F-1858
750 MHV	F-810T	75 MH	F-1810	40 MH	F-1859
1 HY	F-811T	100 MH	F-1811	50 MH	F-1860
1.5 HY	F-813T	150 MH	F-1812	75 MH	F-1861
2 HY	F-815T	200 MH	F-1813	100 MH	F-1862
3 HY	F-819T	300 MH	F-1814	150 MH	F-1863
4 HY	F-821T	400 MH	F-1815	200 MH	
5 HY	F-823T	500 MH			

High quality toroidal coils wound on molybdenum permalloy dust cores. All those listed above can be supplied in hermetically sealed cans, commercial type construction or open units. Other types can be supplied out of stock on special orders.

LOW FREQUENCY HI "Q" COILS Filters

- #1900 100 HY
- #1901 75 HY
- #1902 50 HY
- #1903 25 HY
- #1904 10 HY
- #1905 5 HY
- #1906 1 HY

Narrow band pass filters for remote control and telemetering applications. High pass, low pass, band pass and band elimination filters for communication and carrier systems.



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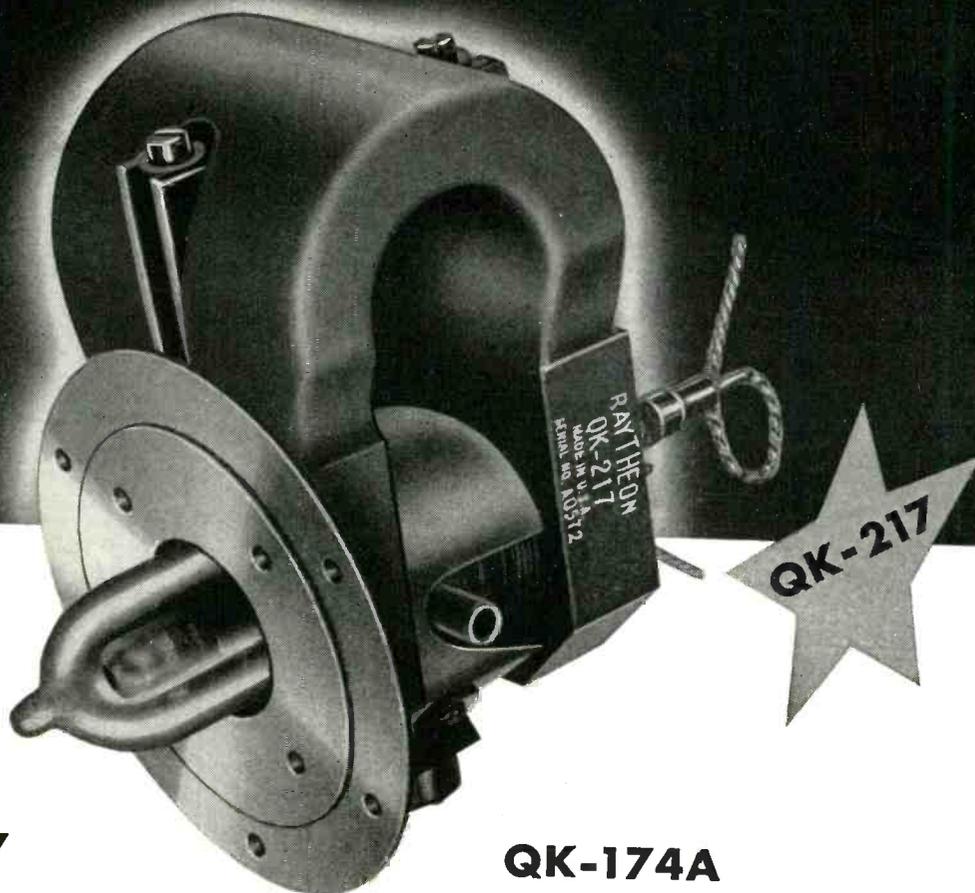
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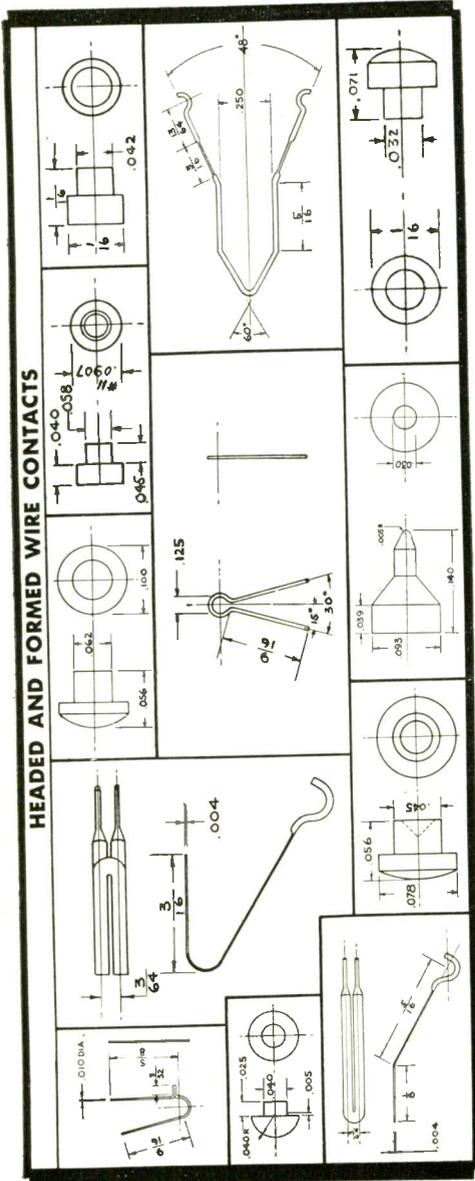
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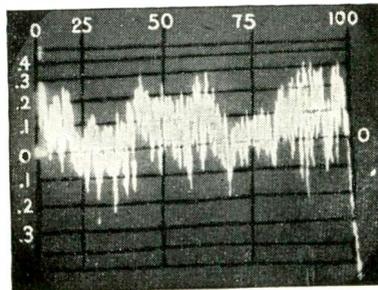
Chart shows form and overall dimensions of a few of the many types of contacts made from Ney Precious Metal Alloys for brush or wiping contact applications. Full technical and test data are available on request. Other Ney Precious Metal Alloys have solved many special industrial application problems. Consult us freely without obligation.

Write or telephone (HARTFORD 2-4271) our Research Department.

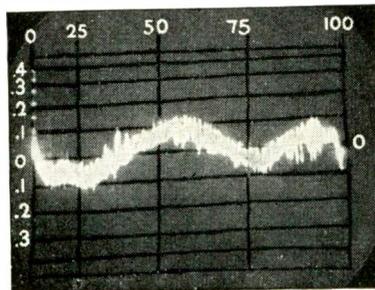
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179 ELM STREET • HARTFORD 1, CONNECTICUT
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TEST RESULTS INDICATE LONGER LIFE AND GREATLY IMPROVED PERFORMANCE

Shown below are typical test results of PALINEY #7... a typical Ney Precious Metal Alloy... being used for sliding contacts on nickel-chrome wire-wound potentiometers in comparison with phosphor bronze contacts. Figures show low initial error and maintained linearity typical of PALINEY #7 performance. Condition of both contacts and windings after test indicated substantially reduced wear.



Cathode Ray Oscillograph showing percentage error of standard potentiometer after one million cycles or two million sweeps of phosphor bronze contact over the wire. Initial linearity was $\pm .17\%$ and the error increased to $\pm .28\%$ plus noise.

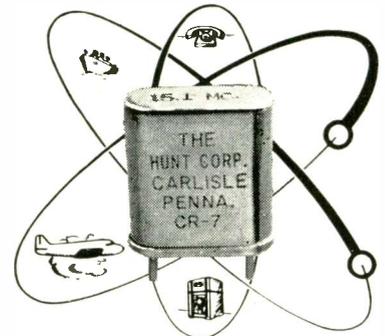


Performance of standard potentiometer modified by substitution of PALINEY #7 contact after one million cycles or two million sweeps over wire. The initial error was reduced to $\pm .12\%$ and this linearity was maintained throughout the test.

PERFORMANCE

Facts

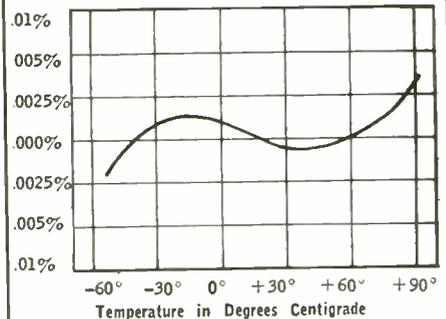
about the High Stability HUNT CR-7 CRYSTAL



MINIATURE TYPE CR-7 CRYSTAL UNIT (Illustration is actual size)

Metal plated quartz plate, wire mounted in hermetically sealed metal HC6/U holder. Average weight .077 oz., CAATC 1335 Outline dimensions: .750" x .750" x .350". Pins: diameter .050" length .217" spacing .486". Frequency range: 1 MC to 100 MC. Fundamental operation, AT cut crystal, to 20 MC. Harmonic mode operation, AT cut crystal to 100 MC

FREQ.-TEMP. CHARACTERISTICS OF AN AVERAGE AT CUT HUNT CR-7 CRYSTAL UNIT



The CR-7 crystal unit—pioneered by The Hunt Corporation—has gained wide acceptance all over the world for many applications including ground and airborne systems as well as mobile radio telephone equipment.

For the high stability, close tolerance, precision quartz crystal units you need contact HUNT. Send along the details of your circuit.

THE Hunt CORPORATION

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"EVEREADY" RADIO BATTERIES

BRAND

TYPES	VOLTAGE	LENGTH	WIDTH	HEIGHT	TERMINALS	SUGGESTED CURRENT RANGE	WEIGHT BATTERY
"A-B" PACKS FOR HOME RECEIVERS							
758	1.5 A	10 $\frac{11}{16}$ "	4 $\frac{1}{8}$ "	6 $\frac{11}{16}$ "	Socket —, +1.5	A:200-300 m.a.	14 lb. 8 oz.
	90 B					Socket —, +90		B:7.0-12.0 m.a.
759	1.5 A	15 $\frac{11}{16}$ "	4 $\frac{5}{8}$ "	6 $\frac{11}{16}$ "	Socket —, +1.5	A:200-300 m.a.	17 lb. 6 oz.
	90 B					Socket —, +90		B:7.0-12.0 m.a.
"A-B" PACKS FOR PORTABLE RECEIVERS							
753	7.5 & 9 A	9 $\frac{5}{8}$ "	2 $\frac{3}{8}$ "	4 $\frac{5}{8}$ "	Socket —, +7.5 & 9	A:50 m.a.	4 lb. 15 oz.
	90 B					Socket —, +90		B:5.0-15.0 m.a.
754	7.5 & 9 A	10 $\frac{11}{16}$ "	3 $\frac{1}{4}$ "	4"	Socket —, +7.5 & 9	A:50 m.a.	6 lb. 8 oz.
	90 B					Socket —, +90		B:5.0-15.0 m.a.
755	6 & 7 $\frac{1}{2}$ A	8 $\frac{9}{16}$ "	2 $\frac{7}{16}$ "	3 $\frac{3}{4}$ "	Socket —, +6 & 7 $\frac{1}{2}$	A:50 m.a.	3 lb. 8 oz.
	75 B					Socket —, +75		B:5.0-15 m.a.
756	7 $\frac{1}{2}$ A	9 $\frac{11}{16}$ "	2 $\frac{1}{8}$ "	3 $\frac{3}{8}$ "	Socket —, +7 $\frac{1}{2}$	A:50 m.a.	3 lb. 14 oz.
	90 B					Socket —, +90		B:5.0-15 m.a.
"A" BATTERIES FOR HOME RECEIVERS							
A-1300* #6 Dry Cell	1.25	5 $\frac{5}{8}$ "	4 $\frac{11}{16}$ "	8 $\frac{5}{8}$ "	Socket —, +1.25	100-600 m.a.	5 lb. 13 $\frac{1}{2}$ oz.
	1.5	2 $\frac{5}{8}$ " D		6 $\frac{5}{8}$ "	Screw —, +1.5	100-250 m.a.	
"B" BATTERY FOR HOME RECEIVERS							
487	45	5 $\frac{1}{8}$ "	2 $\frac{11}{16}$ "	7 $\frac{1}{4}$ "	Socket —, +22.5, +45	7.0-12.0 m.a.	4 lb. 4 oz.
"A" BATTERIES FOR PORTABLE RECEIVERS							
717	7 $\frac{1}{2}$	2 $\frac{7}{8}$ "	1 $\frac{11}{16}$ "	3 $\frac{1}{2}$ "	Socket —, +7 $\frac{1}{2}$	50 m.a.	8 $\frac{3}{4}$ oz.
718	6	3 $\frac{11}{16}$ "	2 $\frac{3}{4}$ "	5 $\frac{1}{2}$ "	Socket —, +6	50 m.a.	2 lb. 13 oz.
724	6	1 $\frac{3}{8}$ "	1 $\frac{3}{8}$ "	2 $\frac{11}{16}$ "	Flat Contact —, +6	50 m.a.	2 $\frac{3}{8}$ oz.
736	4 $\frac{1}{2}$	3 $\frac{11}{16}$ "	1 $\frac{1}{8}$ "	4 $\frac{3}{8}$ "		Socket —, +4.5	50 m.a.	1 lb. 1 oz.
741	1.5	3 $\frac{7}{8}$ "	2 $\frac{11}{16}$ "	5 $\frac{3}{8}$ "	Socket —, +1.5	100-350 m.a.	2 lb. 13 oz.
742	1.5	2 $\frac{3}{8}$ "	2 $\frac{11}{16}$ "	4"	Socket —, +1.5	100-250 m.a.	1 lb. 6 oz.
743	1.5	3 $\frac{11}{16}$ "	2 $\frac{3}{8}$ "	4 $\frac{1}{2}$ "	Socket —, +1.5	100-300 m.a.	2 lb. 1 oz.
744	6	2 $\frac{3}{8}$ "	2 $\frac{3}{8}$ "	3 $\frac{3}{8}$ "	Socket —, +6	50 m.a.	1 lb. 6 oz.
745	1.5	3 $\frac{7}{8}$ "	1 $\frac{7}{8}$ "	10 $\frac{3}{16}$ "	Socket —, +1.5	100-350 m.a.	2 lb. 13 oz.
746	4.5	3 $\frac{11}{16}$ "	1 $\frac{5}{8}$ "	4 $\frac{11}{16}$ "	Socket —, +4.5	50 m.a.	1 lb. 4 oz.
747	6	3 $\frac{7}{8}$ "	1 $\frac{7}{8}$ "	10 $\frac{3}{16}$ "	Socket —, +6	50 m.a.	2 lb. 13 oz.
"B" BATTERY FOR PORTABLE RECEIVERS							
482	45	3 $\frac{3}{8}$ "	1 $\frac{3}{8}$ "	5 $\frac{1}{2}$ "	Socket —, +45	5.0-15.0 m.a.	1 lb. 14 oz.
"A" BATTERY FOR PERSONAL RECEIVERS							
950	1.5	1 $\frac{21}{64}$ " D		2 $\frac{3}{4}$ "	Flat Contact —, +1.5	25-250 m.a.	3 $\frac{1}{8}$ oz.
"B" BATTERIES FOR PERSONAL RECEIVERS							
455	45	2 $\frac{3}{8}$ "	1"	3 $\frac{11}{16}$ "	Snap Type —, +45	1.0-10.0 m.a.	8 oz.
467	67.5	2 $\frac{11}{16}$ "	1 $\frac{3}{8}$ "	3 $\frac{11}{16}$ "	Snap Type —, +67.5	1.0-10.0 m.a.	12 oz.
490	90	3 $\frac{3}{8}$ "	1 $\frac{3}{8}$ "	3 $\frac{11}{16}$ "	Snap Type —, +90	1.0-10.0 m.a.	1 lb. $\frac{1}{2}$ oz.
"A" BATTERIES FOR POCKET RECEIVERS							
915	1.5	3 $\frac{5}{64}$ " D		1 $\frac{3}{8}$ "	Flat Contact —, +1.5	25-100 m.a.	$\frac{1}{2}$ oz.
1016	1.5	1 $\frac{9}{64}$ " D	$\frac{11}{16}$ "	2 $\frac{3}{64}$ "	Flat Contact —, +1.5	25-100 m.a.	1.1 oz.
"B" BATTERIES FOR POCKET RECEIVERS							
412	22.5	1 $\frac{1}{32}$ "	$\frac{5}{8}$ "	2"	Flat Contact —, +22.5	0.3-1.0 m.a.	1 $\frac{1}{8}$ oz.
413	30	1 $\frac{1}{32}$ "	$\frac{5}{8}$ "	2 $\frac{9}{16}$ "	Flat Contact —, +30	0.3-1.0 m.a.	1 $\frac{3}{8}$ oz.
420	22.5	1 $\frac{1}{16}$ "	$\frac{3}{16}$ "	2 $\frac{3}{16}$ "	Flat Contact —, +22.5	0.5-2.0 m.a.	2 $\frac{1}{8}$ oz.
430	30	1 $\frac{5}{16}$ "	1"	2 $\frac{11}{16}$ "	Flat Contact —, +30	0.5-2.0 m.a.	3 oz.

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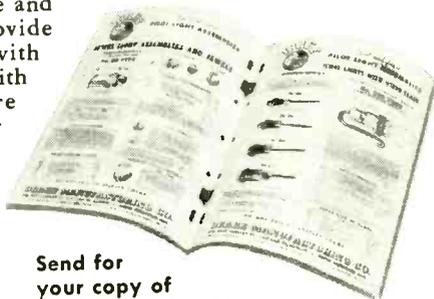
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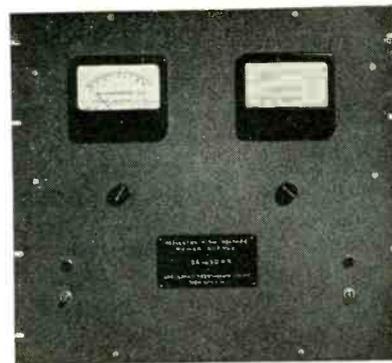


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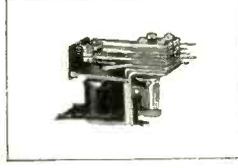
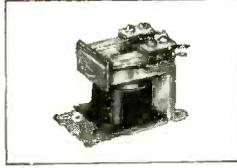
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Name a Relay, Switch or Solenoid problem... 99 times in 100 Guardian has the solution. Submit your specifications for application data and cost-free recommendations.

COMPLETE CONTROL ASSEMBLIES:

Guardian engineers are tops at designing complete assemblies, from simple start-stop controls to the complexities of time-delay, timing, counting, multiple credit, add and subtract or sequence operations. Thousands of Guardian control applications attest to Guardian's flexibility. Without question—Guardian qualifies to design and furnish composite parts or completely packaged control assemblies—housings, mountings and harnesses—all set to plug in!

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PRECISION MEASURING INSTRUMENTS FOR THE RADIO AND ELECTRONIC INDUSTRY



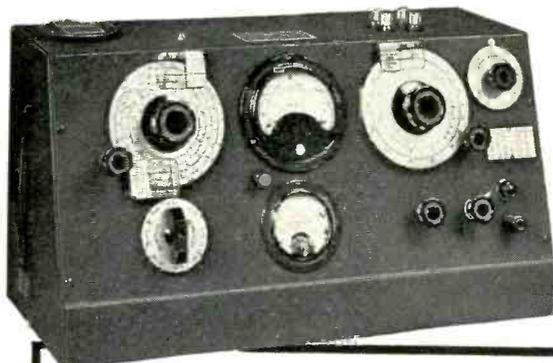
FM SIGNAL GENERATOR TYPE 202-B

RF COVERAGE: 54—216 megacycles in two ranges; accuracy $\pm 0.5\%$.
 FM DEVIATION: Three ranges, 0—24 kc., 0—80 kc., 0—240 kc., continuously adjustable.
 FM DISTORTION: Less than 2% at 75 kc. deviation.
 AMPLITUDE MODULATION: One range, 0—50%; calibrations at 30% and 50% modulation.
 INTERNAL MODULATING FREQUENCIES: Eight frequencies from 50 cycles to 15 kc.
 RF OUTPUT: 0.1 microvolt to 0.2 volt, continuously adjustable by means of 26.5 ohm piston type attenuator.



UNIVERTER TYPE 203-B

An FM-AM frequency converter accessory with unity gain for use with 202-B FM Signal Generator.
 RF RANGE: 0.4 mc. to 25 mc.
 RF INCREMENT DIAL: ± 250 kc. in 10 kc. increments.
 RF OUTPUT: 0.1 microvolt to 0.1 volt, calibrated output (26.5 ohms); 2 volts max. uncalibrated output (approx. 470 ohms).



Q-METER TYPE 160-A

FREQUENCY RANGE: 50 kc. to 75 mc. ($\pm 1\%$, 50 kc.—50 mc.; $\pm 3\%$, 50 mc.—75 mc.). May be extended down to 1 kc. with external accessory oscillator.
 RANGE OF Q MEASUREMENTS, COILS: 50—625.
 ACCURACY OF Q MEASUREMENT: In general, $\pm 5\%$.
 RANGE OF Q TUNING CAPACITOR: Main Section, 30—450 mmf. ($\pm 1\%$ or ± 1 mmf., whichever is greater). Vernier Section, plus 3, zero, minus 3 mmf., (± 0.1 mmf.).

Q-METER TYPE 170-A

FREQUENCY RANGE: 30 mc. to 200 mc. ($\pm 1\%$).
 RANGE OF Q MEASUREMENT: 80—1200.
 ACCURACY OF Q MEASUREMENT: In general, $\pm 10\%$.
 RANGE OF Q TUNING CAPACITOR: 11—60 mmf. ($\pm 1\%$ or ± 0.5 mmf., whichever is greater).



BEAT FREQUENCY GENERATOR TYPE 140-A

FREQUENCY RANGE: 20 cycles to 5 megacycles in two ranges; LOW RANGE: 20 to 30,000 cycles. HIGH RANGE: 30 kilocycles to 5 megacycles. Accuracy ± 2 cycles up to 100 cycles, $\pm 2\%$ above 100 cycles.
 OUTPUT POWER: One watt, available from a variety of output impedances.
 ATTENUATOR: 5 steps; X1.0, X0.1, X.01, X.001, X.0001.
 DISTORTION: 5% or less.

QX-CHECKER TYPE 110-A

FREQUENCY RANGE: 100 kc. to 25 mc. using accessory plug-in inductors. A calibration sheet is supplied with each inductor, accuracy to within $\pm 3\%$.
 RANGE OF COIL CHECKS: Inductors having values between 10 microhenries and 10 millihenries may be checked against a standard to an accuracy of about $\pm 0.2\%$ provided the Q of the inductor is 100 or greater.
 CAPACITANCE RANGE: Capacitance values between about 2—1000 mmf. may be checked against standard by direct substitution, with an accuracy of a few tenths of one mmf., provided Q of capacitors is high.



Write for further information

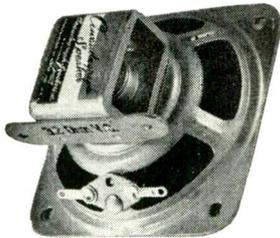


BOONTON RADIO
 CORPORATION

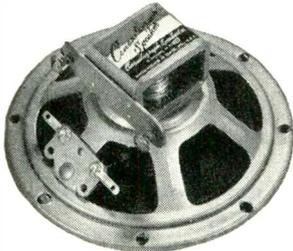
BOONTON - N. J. - U. S. A.

Cinaudagraph Speakers

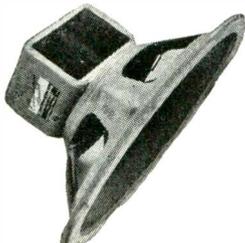
THE WORLD'S FINEST AND MOST COMPLETE LINE



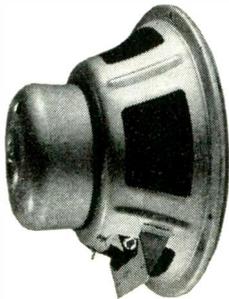
Square



Round



Single H. F.

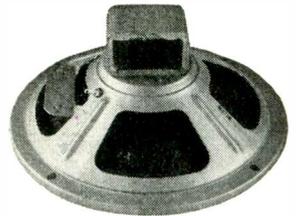


Public Address

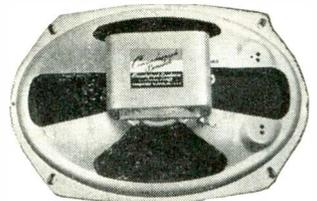
STANDARD SPEAKERS

FIELD COIL MODELS . . . the most complete line of ED units available. 24 models, from 3½-inch to 15-inch diameters. Square, round, pin cushion and oval styles. Choice of field coil resistance (from ¼-lb. to 3-lbs. of copper). Voice coil diameters from 9/16-inch to 1½-inches. Highest quality workmanship and materials. All units equipped with bucking coils or "hum slugs." Transformers if desired.

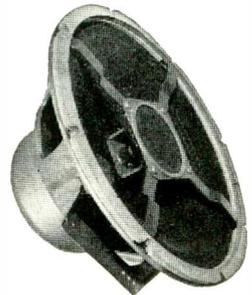
PERMANENT MAGNET MODELS . . . all Cinaudagraph permanent magnet speakers use Alnico 5 magnets, cemented or soldered in place to give trouble-free operation. Choice of 7 magnet weights (.68-oz. to 6.8-oz.) in oval, round and pin cushion styles. 62 quality speakers from 2½-inch to 12-inch diameters. Ideally suited for home receivers, portables, phonographs and inter-communication systems requiring dependable low-cost operation. Transformers available.



Round



Oval



Cinaxial

EXTENDED RANGE SPEAKERS

SINGLE AND DOUBLE SPEAKERS . . . designed for use where the widest possible frequency coverage is desired. Especially suitable for FM and Television use, and all installations requiring top performance to 10,000 c.p.s. and beyond. Single speakers available in 8-inch and 12-inch sizes. Dual-speaker Cinaxial units give finest performance from 50 to 15,000 c.p.s. No special controls required. 12-inch and 15-inch sizes.

PUBLIC ADDRESS SPEAKERS

HEAVY DUTY PERMANENT MAGNET MODELS . . . Alnico 5 magnets soldered or bolted in place. Moisture and dust proof. Acoustically selected cones give uniform frequency response and maximum conversion to acoustical power. Excellent high and low frequency definition. Voice coil forms, from 1-inch to 2-inch diameters, are double-cemented to prevent breakdown from momentary overload. Nine models from 6-inch to 15-inch, with choice of magnet weights from 4.64-oz. to 32-oz.



Public Address

There's a **CINAUDAGRAPH** speaker for every purpose . . . from 2½" portable radio units to 15-inch public address and commercial phonograph systems. No matter what the special application needed, **CINAUDAGRAPH** makes a speaker that will do the job better, longer and more economically. Diligent research, tested engineering, precision manufacture and careful inspection make every **CINAUDAGRAPH** speaker the finest of its kind. **FREE CATALOG ON REQUEST.**



"Heard Throughout the World"

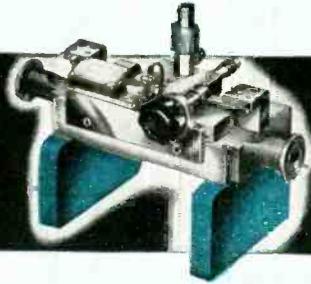
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General Office & Factory, 1401 Fairfax Trafficway, Kansas City 15, Kansas

PRD

PRECISION MICROWAVE MEASUREMENT COMPONENTS

TYPE 2T1—PRECISION WAVEGUIDE SLOTTED SECTION ($\frac{1}{2}$ " x $\frac{1}{4}$ " Waveguide)

Broadband Operation; Crystal and Bolometer Detection; Ball Bearing Carriage Support



• Similar slotted sections and probes in standard rectangular waveguide and coaxial line sizes make possible precise impedance measurements over the microwave spectrum from 1000 to 40,000 megacycles per second.

TYPE 612—TUNABLE CRYSTAL AND BOLOMETER MOUNT (Type N— $\frac{3}{8}$ " Coaxial Line)

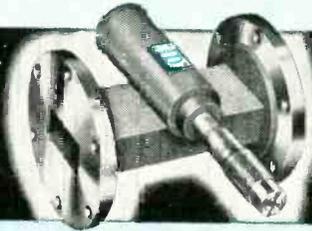
Broadband Operation; Accurate Square-Law Detection



• The instrument illustrated serves both as a general purpose crystal or bolometer detector and as an harmonic generator for the multiplication of crystal-controlled u-h-f signals into the microwave region.

TYPE 575—REACTION TYPE FREQUENCY METER ($1\frac{1}{2}$ " x $\frac{3}{4}$ " Waveguide)

Micrometer Precision; Full Waveguide Frequency Coverage; Ease of Operation



• Currently available in three waveguide sizes to provide coverage from 3950 to 10,000 megacycles per second, these frequency meters combine simplicity of operation, precision, and reliability.

TYPE 559-A—PRECISION FREQUENCY METER (1 " x $\frac{1}{2}$ " Waveguide)

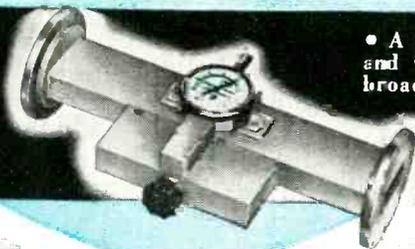
Direct Reading Dial; Linear Drive; Hermetic Sealing; Temperature Compensation



• This unit is representative of a complete new line of precision frequency meters available with reaction or transmission coupling, and providing maximum accuracy even when exposed to extremes of temperature and humidity.

TYPE 170—PRECISION CALIBRATED VARIABLE ATTENUATOR (2 " x 1 " Waveguide)

Metallized-glass Attenuating Element; Precise and Permanent Calibration; Negligible Insertion Loss



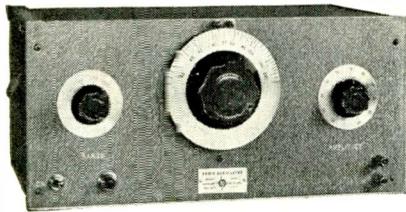
• A full complement of fixed and variable attenuators and broadband terminations in standard waveguide sizes provides coverage from 2600 to 40,000 megacycles per second.

The instruments illustrated above are the result of the continuing efforts of PRD's skilled staff to provide the microwave research engineer with test equipment of ultimate accuracy and reliability over broader and broader frequency bands. Techniques

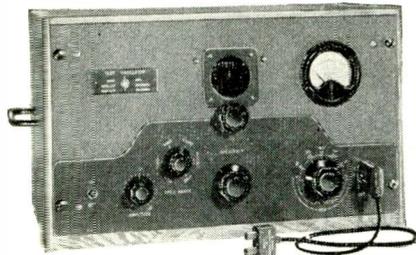
of novel character are used to give the many outstanding features available in the complete PRD line of precision microwave measurement and test equipment. An illustrated catalog may be obtained by writing on company letterhead to Dept. F-1.

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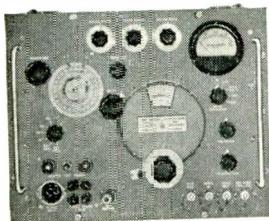




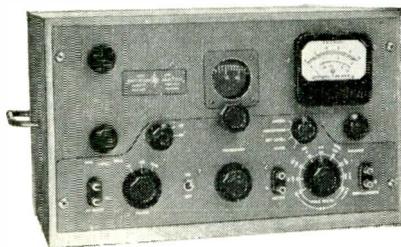
-hp- 200C Audio Oscillator



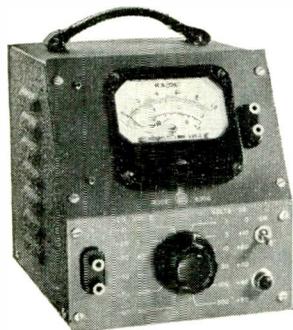
-hp- 650A Signal Generator



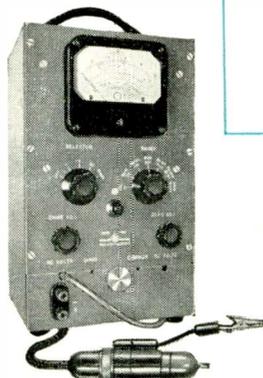
-hp- 616A
UHF Signal Generator



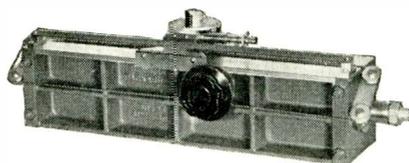
-hp- 330B Distortion Analyzer



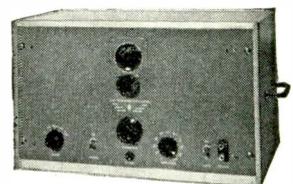
-hp- 400C
Vacuum Tube Voltmeter



-hp- 410A Vacuum Tube Voltmeter



-hp- 805A Slotted Line



-hp- 202B Low Frequency Oscillator

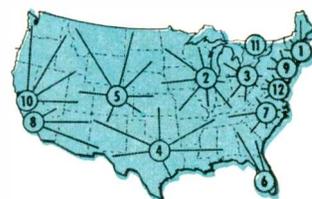
FUNCTION	MODEL	FREQUENCY	CHARACTERISTICS
HARDWARE	10		Binding Post
	14		Flexible coupler, ceramic insulated; permits misalignment of 1/32" and/or 5°
LOW FREQUENCY STANDARDS	100A	100 kc, 10 kc, 1 kc, 100 cps	Accuracy 3 cps per mc per degree Centigrade
	100B	100 kc, 10 kc, 1 kc, 100 cps	Temperature controlled; accuracy 0.001%
FREQUENCY DIVIDER	110	100 to 10 cps	Controlled by 100A or 100B. Multipliers also available up to 1 mc
RESISTANCE-TUNED OSCILLATORS	200A	35 to 35,000 cps	Output 1 watt into 500 ohms; 1% distortion
	200B	20 to 20,000 cps	Output 1 watt into 500 ohms; 1% distortion
	200C	20 to 200,000 cps	Output 10 volts into 1,000 ohms; 1% distortion
	200D	7 to 70,000 cps	Output 10 volts into 1,000 ohms; 1% distortion
	200H	60 to 600,000 cps	Output 10 mw into a 100 ohm load; 3% total distortion
	200 I	6 to 6,000 cps	Frequency setting closer than 1%; output 10 volts into 1,000 ohms; 1% distortion
	201B	20 to 20,000 cps	Output 3 watts at 1% and 1 watt at 1/2% distortion into 600 ohms
	202B	1/2 to 50,000 cps	For low frequency studies. Output 10 volts into 1,000 ohms; 1% distortion
	202D	2 to 70,000 cps	Output 10 volts into 1,000 ohms; 2% distortion
	204A	2 to 20,000 cps	Portable, battery-operated; output 5.0 volts to 10,000 ohm load; 1% distortion
AUDIO SIGNAL GENERATORS	205A	20 to 20,000 cps	Output 5 watts, 1% distortion into impedances of 50, 200, 600, 5,000 ohms. Output VTVM and 110 db attenuator, 1 db steps
	205AG	20 to 20,000 cps	Same as 205A, plus separate VTVM for complete gain measurements
	205AH	1 to 100 kc	Output 5 watts, 3% distortion into 50, 200, 500, 5,000 ohm impedances. Output VTVM and 110 db attenuator, 1 db steps
	206A	20 to 20,000 cps	Output +15 dbm with less than 0.1% distortion into 50, 150, 600 ohm impedances. Output VTVM and 111 db attenuator in 0.1 db steps
SQUARE WAVE GENERATOR	210A	20 to 10,000 cps	Output 50 volts peak to peak; 1,000 ohm internal impedance; 70 db attenuator, 5 db steps
WAVE ANALYZER	300A	30 to 16,000 cps	Variable selectivity; measurement range 1 mv to 500 volts; 5% accuracy



FUNCTION	MODEL	FREQUENCY	CHARACTERISTICS
DISTORTION ANALYZERS	320A	400 cps and 5 kc	Measures total distortion as low as 0.1%. 70 db attenuator, 1 db steps for comparison
	320B	50, 100, 400 cps and 1, 5 and 7.5 kc	Same as 320A
	325B	30, 50, 100, 400, 1,000 cps; 5, 7.5, 10 and 15 kc	Measures total distortion as low as 0.1%. Input amplifier and complete VTVM each usable separately
	330B	Any frequency 20 to 20,000 cps	Similar to 325B but measures at any frequency and includes AM detector
	330C	Any frequency 20 to 20,000 cps	Similar to 330B, no AM detector. Meter has VU characteristics to meet FCC requirements for FM broadcasting
FM BROADCAST MONITOR	335B	88 to 108 mc	FCC approved. Monitors carrier frequency and modulation. High fidelity output for aural monitoring
ATTENUATORS	350A	Max 100 kc	110 db, 1 db steps; 5 watts, 500 ohm level. Bridged T type. Accuracy 1 db in 50 db at 100 kc
	350B	Max 100 kc	Same as 350A but 600 ohm level
VACUUM TUBE VOLTMETERS AND ACCESSORIES	400A	10 cps to 1 mc	Nine ranges 0.03 to 300 volts full scale. Accuracy $\pm 3\%$ to 100 kc, $\pm 5\%$ to 1 mc. Average reading. Calibrated in rms.
	400B	2 cps to 100 kc	Same as 400A with response flat to 2 cps. 10 megohm input impedance
	400C	20 cps to 2 mc	Twelve ranges 0.001 to 300.0 volts full scale; accuracy $\pm 3\%$ to 100 kc, $\pm 5\%$ to 2 mc; 10 megohm input impedance; average reading; calibrated in rms volts; may be used as 54 db amplifier
	404A	2 to 50,000 cps	Portable, battery-operated; eleven ranges; 0.003 to 300 volts full scale; accuracy $\pm 3\%$ to 20 kc; 10 megohm input impedance
	410A	20 cps to 700 mc	AC: six ranges 1 to 300 volts. DC: seven ranges 1 to 1,000 volts. Resistance: seven ranges 0.2 ohm to 500 megohms
	415A	300 to 2,000 cps	Standing Wave Indicator for use with a bolometer or crystal rectifier; standard frequency 1000 cps, others on special order
	430A		Microwave Power Meter. Measures directly power dissipated in a standard borelter. Full scale reading 0.1 to 10.0 milliwatts.
	455A	to 1,000 mc	Connects probe of 410A across 50 ohm transmission line. Type N fittings
AMPLIFIERS	458A	to 1,000 mc	Connects probe of 410A to open end of 50 ohm transmission line. Type N fittings
	450A	10 to 1,000,000 cps	40 db and 20 db stabilized gain. Input impedance 1 megohm shunted by approximately 15 uuf.
ELECTRONIC FREQUENCY METER	500A	5 cps to 50 kc	Ten ranges, $\pm 2\%$ accuracy. Input 0.5 to 200 volts
ELECTRONIC TACHOMETER	505A	300 to 3,000,000 rpm	Ten ranges, $\pm 2\%$ accuracy
	505B	5 to 50,000 rps	Same as 505A except calibrated in rps
SIGNAL GENERATORS	610A	500 to 1,350 mc	Calibrated output 0.1 microvolt to 0.1 volt. Internal pulse modulation. Direct calibration
	616A	1,800 to 4,000 mc	Direct reading. Pulse modulation, CW and FM. Calibrated output 0.1 microvolt to 0.2 volts
	650A	10 cps to 10 mc	Direct reading. Six bands. Output 3 volts to 600 ohm load, VTVM and output attenuator
POWER SUPPLY	710A		Any dc voltage 180 to 360 for 0 to 75 ma load; approximately 1% regulation. Also 6.3 volts, 5 amps ac.
SLOTTED LINE	805A	500 to 4,000 mc	VSWR Less than 1.04. Tunable probe. 50 ohm impedance. Type N connectors.

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Easy Guide

This Electronic Tube Guide lists tubes according to "family" classification and provides essential technical data on each tube. Send for your copy today. Electronic Tube Sales Department, Bloomfield, N. J.

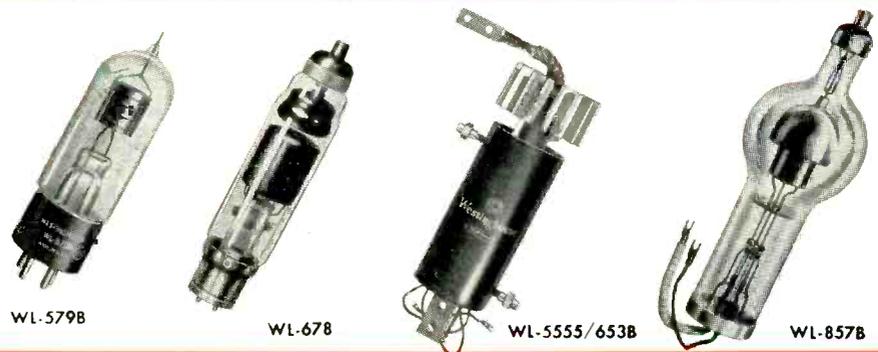
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Resistance welders use two main types of tubes: Ignitrons to switch the welding current on and off, and Thyratrons to control the Ignitrons and "time" the switching to a split cycle. We carry a complete line of both types.



RECTIFIERS

To cover the various voltage and current ratings of electronic rectifiers, we carry a complete line of Kenotrons, Phanotrons, Ignitrons, and Thyratrons. These tubes are available at our local warehouse.



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R-F heating means Radio-Frequency Heating. This type of heating is accomplished quickly and accurately by means of high-frequency radio waves. Our local stocks of tubes for R-F heating will help solve your tube replacement worries. Replacement tubes always available in stock.



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Phototubes can convert visible, infrared or ultra-violet light into electrical current and thus perform many tasks tirelessly and with the utmost precision. Our complete line of phototubes is stocked locally.



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WHEN IT'S TIME FOR TIMING RELY ON HAYDON FOR QUALITY



1600 SERIES MOTOR

Most versatile; consists of basic motor, speed reducing gear train, sealed housing, capillary lubricating system. Mounts in any position. Wide range of speeds.

2200 SERIES MOTOR

Two basic Haydon motors in line, coupled rotor shafts to avoid binding, pear-shaped gear cup. Wide range of speeds, with twice torque of single unit or reversible output shaft action.



SHIFT UNIT FOR AUTOMATIC RESET

Magnetically operated, counter-balanced gear shift — automatically engages and disengages gear train when motor field is energized or de-energized — frees drive shaft for resetting by means of external spring. For all timing mechanisms requiring automatic resetting, such as time delay relays.

BRAKE UNIT FOR INSTANT STOP

Brake stops rotor instantly, prevents coasting, avoids accumulated error. For applications requiring extreme accuracy, such as fixed interval timers, elapsed time indicators.

FRICTIONS FOR MANUAL RESET

Both one-way and two-way frictions are available in several types and torque ranges.

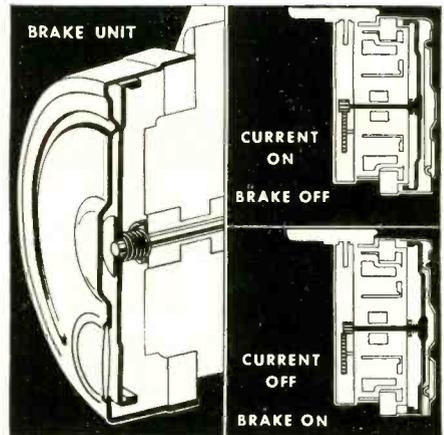
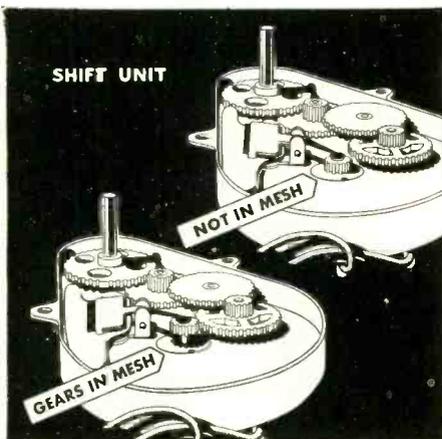
3100 SERIES MOTOR

Basic Haydon motor, heavy duty gear train. For applications requiring higher torque at slow shaft speeds, such as chart drives.

4100 SERIES MOTOR

Double gear train, basic Haydon motor, for slow speed applications. Reversible output shaft action available in 4200 series.

Other types of quality motors are available from Haydon. Speed range — 450 RPM to 1 revolution per 1,000 hours. Motors custom-made to fit individual requirements as to rotation, voltage, frequency, drive shaft, lead length and other special features.



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Subsidiary of GENERAL TIME Instruments Corporation

IT'S TIME FOR HAYDON

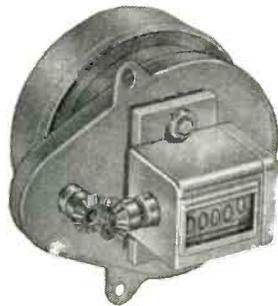
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TIMING DEVICES



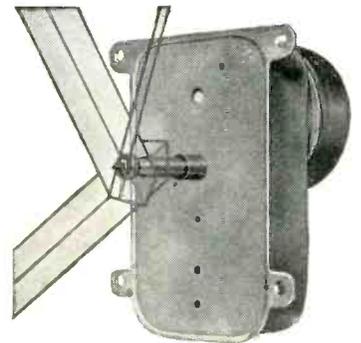
**5800 SERIES
REPEAT CYCLE TIMERS**

For continuous repeat cycling, or single cycle operation initiated by external circuit. Available with cam operated switches to suit users' needs.



**5700 SERIES
ELAPSED TIME INDICATOR**

Cyclometer-type counters, available in four types—minutes and tenths of minutes, minutes, hours and tenths of hours, and hours. Resetting type also available.



1876 CLOCK FIT-UP

Designed for industrial, advertising and novelty clocks. Demountable motor in either back-set or bottom-set model. Choice of four arbor sizes.

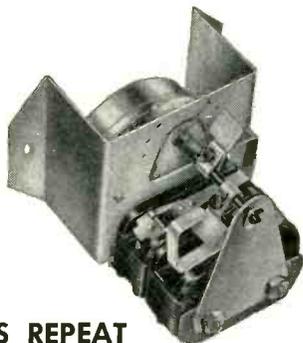
ENGINEERING SERVICE

HAYDON SPECIALIZES IN THE DESIGN AND MANUFACTURE OF CUSTOM TIMING DEVICES FOR VOLUME REQUIREMENTS

Haydon is the leader in the field of electric timing devices for industrial uses. While Haydon timing motors are standardized in their basic design, each one is individually adapted to meet such specific requirements as output speed, direction of rotation, voltages, frequency, lead length, lubrication requirements and other special features. For immediate reference see the Haydon Catalog in Sweet's Product Designers File . . . complete with specifications and dimensional drawings.

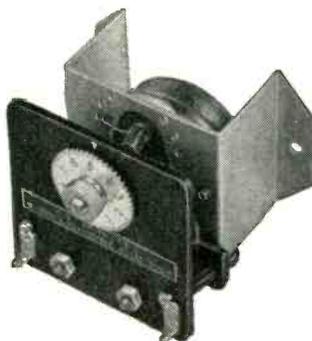
Standard and specially-designed devices available include repeat cycle and reset timers, time delay relays, interval timers, sequence timers, interrupters, elapsed time indicators, flasher timers, clock movements, and other apparatus covering nearly every timing application. Take time to talk time with Haydon engineers on your applications. A fully illustrated Engineering Data Catalog is yours for the asking.

Write 549 Elm Street, Torrington, Connecticut



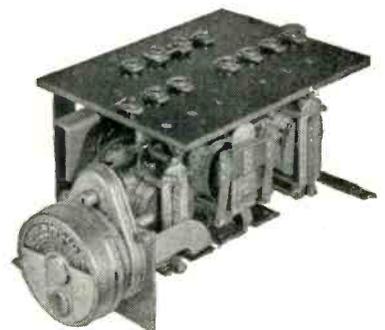
**5908
SERIES REPEAT
INTERVAL AUTOMATIC RESET**

Automatic beverage dispensing applications. Extremely accurate, high degree of repeatability, repeats within 1/10 second, adjustable, resets automatically.



**5901 SERIES
ADJUSTABLE RESET TIMERS**

Adjustable time delay, in four models depending on time delay period.



TIME DELAY RELAY

Special timer for preheating electronic tube filaments, other applications where delay must precede operation — adjustable.

Torrington, Connecticut Harness Time to Your Products



For Truly Fine Recording and Reproduction



audioidiscs*

For more than a decade, Audioidiscs have consistently set the standards for quality and uniformity in every field of instantaneous disc recording. A superior lacquer, applied by a patented, precision-machine coating process, gives a mirror-smooth cutting surface with positive thread throw, brilliant h-f response, and freedom from background noise. An important improvement, perfected in 1948, makes all Audioidiscs permanently resistant to humidity.

There's an Audioidisc for every recording need — conventional or microgroove.

RED LABEL AUDIODISCS — exceed the most exacting demands for highest quality professional recordings. Aluminum base. *Double sided* — Sizes: 6½", 8", 10", 12" and 16". *Single face* — Sizes: 10", 12" and 16".

YELLOW LABEL AUDIODISCS — the popular choice for all general-purpose recording. Aluminum base. *Double sided*. Sizes: 6½", 8", 10", 12" and 16".

BLUE LABEL AUDIODISCS — ideal for schools, homes, and general amateur use. Same lacquer as professional discs, but thinner aluminum base. *Double sided*. Sizes: 6½", 8" and 10".

MASTER AUDIODISCS — the choice of professional recordists for use where pressings are to be made. Give fine results with either silvering or gold sputtering. Aluminum base. *Double sided or single face*. Sizes: 12", 13¼" and 17¼".

REFERENCE LABEL AUDIODISCS — provide maximum economy for test cuts, reference recordings, auditions, etc. Aluminum base. *Double sided*. Sizes: 10", 12" and 16".



audiotape*

After 2½ years of research and development, Audio Devices now offers a complete line of highest quality magnetic recording tape.

To meet the most rigid requirements for professional as well as amateur use, and to assure optimum performance in a wide variety of different recording machines, two different types of Audiotape have been developed — one with a high coercive-force, black oxide coating, and the other with a medium coercive-force, red oxide coating. This choice of characteristics enables the user to select a tape that will give much finer performance on his particular recorder than would a tape formulated to give good average results in every machine.

Audiotape is precision manufactured to the same exacting standards of quality and uniformity which have characterized Audioidiscs for the past decade.

As this buyers' guide goes to press, the following types of Audiotape are in full-scale production:

AUDIOTAPE NO. 1200 AND 1201 — Paper-base Audiotape with high coercive-force, black-oxide coating. 1250-feet, on all-aluminum, 7-inch reel designed to fit all standard machines. No. 1200 wound with oxide coating out—No. 1201, with oxide coating in.

AUDIOTAPE NO. 1220 AND 1221 — Paper-base Audiotape with medium coercive-force, red oxide coating. 1250-feet, on all-aluminum, 7-inch reel designed to fit all standard machines. No. 1220 wound with oxide coating out—No. 1221, with oxide coating in.

A new line of plastic-base Audiotape is now being developed and will be available shortly.



audiopoints*

The newly expanded line of Audiopoints covers the full range of recording and playback needs — for the most exacting professional recordists, as well as for the non-professional and the general public.

Recording Audiopoints

SAPPHIRE NO. 14 — long recognized as the finest recording stylus made. Short or long dural shank, and 87° or 70° included angle.

SAPPHIRE NO. 202 — a high-quality professional stylus. Short or long brass shank.

SAPPHIRE NO. 20 — especially designed for professional microgroove recording. Short or long dural shank.

STELLITE NO. 34 — a favorite with many professional and non-professional users. Short or long shank. 87° included angle.

DIAMOND LAPPED STEEL NO. 50 — most practical and economical stylus for non-professional use.

Playback Audiopoints

SAPPHIRE NO. 113 — meets the requirements of the most critical professional recordists. Straight dural shank.

"RED CIRCLE" SAPPHIRE NO. 103 — for professional use with instantaneous recordings or vinyl transcriptions. Straight dural shank.

"RED CIRCLE" SAPPHIRE NO. 303 — same as No. 103, except with bent dural shank. Ideal for phonograph records.

STEEL TRANSCRIPTION NEEDLE NO. 151 — finest steel needles made. 100% shadowgraphed to assure perfection of every needle.

The above Audio Devices' products are available through more than 300 authorized distributors, located in principal cities from coast to coast. Audioidiscs are manufactured in the U.S.A. under exclusive license from PYRAL, S.A.R.L., Paris



AUDIO DEVICES, INC.

444 MADISON AVE., NEW YORK 22, N. Y.

EXPORT DEPT.: ROCKE INTERNATIONAL, 13 EAST 40TH ST., NEW YORK 16, N. Y.

*Trade Mark

P. R. MALLORY & CO. Inc. MALLORY APPROVED PRECISION PRODUCTS

MALLORY ENGINEERING DATA

Complete, current, and factual information about all Mallory products is available for ready reference. Check over this list of Mallory printed matter and ask your Mallory representative for copies, or write direct to the company.

CAPACITORS

Dry Electrolytic Capacitor Catalog (GS-107)
AC Motor Starting Capacitor Catalog (AC-447)
AC Capacitor Data Folder (746-F)
FP Capacitor Data Folder (FP-249)

CONTACTS

Electrical Contact Catalog (CC-146)
Electrical Contact Data Book (\$2.50)

RECTIFIERS

Mg-CuS Rectifier Catalog (R-1247)
Rectotruck Charger Folder

RESISTORS

Vitreous Enamel Resistor Data Folder (VER-1146)
Variable Resistor Data Folder

RESISTANCE WELDING

Resistance Welding Catalog (M-400-F)
Resistance Welding Data Book (\$2.50) 4th edition
Spot Welding Aluminum Alloys Data Folder
Fluted Electrode Technical Bulletin

SPECIAL METALLURGICAL PRODUCTS

Mallory Metals and Alloys Booklet
Technical Bulletins:
Mallory 100 Metal Mallory 3 Metal
Mallory 1000 Metal Elkaloy A Metal
Lithium Capsules

SWITCHES AND CONTROLS

RL, RS, MC, Lever Action, and 3100 Switch Data Folders
Mallory Midgetrol Data Folder (570-748)
Inductuner Technical Information Bulletin

VIBRATORS

Vibrapak Catalog (E-555)
Vibrator Data Book (\$1.00)
Vibrator Characteristic Data Sheets

GENERAL

Approved Precision Products Catalog (549)
Radio Interference Eliminator Folder
Radio Service Encyclopedia (\$2.00) 6th edition
Mallory Technical Manual (\$2.00)
Manufacturer's Catalog No. 1



MALLORY VIBRATORS

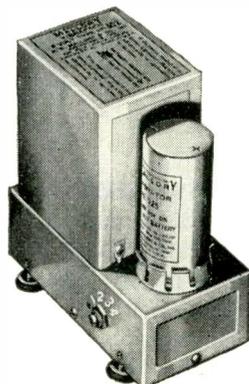
Mallory precision vibrators bear undisputed leadership in the radio and electronic fields. Wherever high voltage is required from a low voltage DC source, Mallory vibrators assure dependable and efficient electric power conversion. Replacement types for all automobile radios.

VIBRAPACK*

(Vibrator Power Supply)

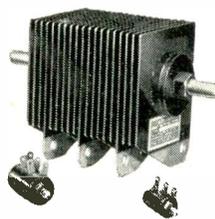
The Mallory Vibrapak is a dependable source of high voltage when—and where—commercial AC power is not available. Designed to operate radio receivers, transmitters, direction finders, public address systems, and other electronic apparatus on automobiles, boats, and aircraft. Especially suited to police and military applications. Catalog E-555.

*Reg. U. S. Pat. Off.



MALLORY MAGNESIUM-COPPER SULFIDE

RECTIFIERS



For top performance in rectification of AC to DC use Mallory Magnesium-Copper Sulfide rectifiers. In the low voltage, high current field, they offer such unparalleled advantages as virtually constant output in any applicable operating temperature, rugged construction, self-healing, compact size, wide overload range, low cost. Mallory rectifiers are available in capacities from 0.3 amperes to 35,000 amperes.

RECTOTRUCK* CHARGERS

Mallory industrial truck battery chargers provide optimum charging characteristics, maximum battery life, and simple trouble-free operation. They charge both lead and Edison batteries, are adaptable to either of two power-line voltages, and have automatic two-rate charge control. Three models for charging motorized lift truck and standard truck batteries are readily available from industrial truck agents.

AUTOMOTIVE BATTERY CHARGERS

These chargers offer the simple, easy way to keep batteries fully charged or to supply a low voltage source of DC.

Made in five models to cover the complete charging field—from battery boosters to fast chargers, they are designed for operation from 115 volt, 60-cycle power lines. Ideal for charging any 6 or 12 volt batteries, they may also be used directly as a power source for electroplating, relays and solenoids, vending machines, etc.



For electroplating applications use

UDYLITE-MALLORY RECTOPLATERS*

Rectoplating units available for 6 and 12 volts, 400-1500 amperes, 230-460 volts, three-phase 60 cycle. Standard units may be seriesed or paralleled for any plating loads. (Please direct inquiries for plating equipment to the Udyllite Corporation, 1651 E. Grand Blvd., Detroit 11, Michigan.)

*Reg. U. S. Pat. Off.

DRY ELECTROLYTIC CAPACITORS



DRY ELECTROLYTIC TYPE FP

The smallest top mounting capacitor available for rated capacity. Features identical type mounting features for all rated capacities—saves space and time in assembly. Available in ratings up to 500 volts with a wide variety of capacity combinations.

All Standard Mallory Capacitors are available from Mallory Distributors.



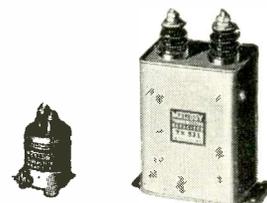
ALUMINUM CASED TYPE TC

Furnished in hermetically sealed aluminum tubes with insulating sleeves. Wide temperature range. Small size conserves space in assembly. Available in a wide variety of single and dual ratings up to 600 volts.



DRY ELECTROLYTIC TYPE BS

Hermetically sealed capacitors with steel exterior case. Ideal for difficult applications, including high altitudes, vibration, and extreme temperature. Available in various ratings up to 8 MFD, 600 volts.



TRANSMITTING AND TELEVISION CAPACITORS

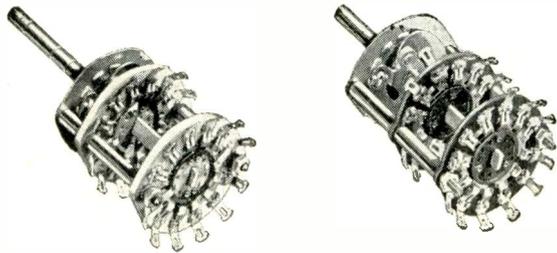
Mallory transmitting and television capacitors are built with an adequate safety factor for long life under adverse operating conditions. Available in round and square can styles.

Mallory also offers complete lines of electrostatic, mica and paper capacitors.

P. R. MALLORY & CO., INC., Indianapolis 6, Indiana

P. R. MALLORY & CO., Inc. MALLORY APPROVED PRECISION PRODUCTS

Rotary Circuit Selector Switches



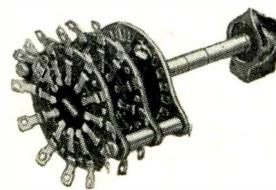
RS-30 AND RS-40 selector switches in high grade ceramic and phenolic insulation, respectively. Designed primarily for band and tone control circuit switching in radio receivers, they are generally suitable for low-current, high frequency circuit selection in low power electrical and electronic devices. Flexibility of design permits a wide range of circuits in multiple section assembly with high torque positive hill and valley indexing. Refer Note A (Ceramic stock types 160C and 170C); also Notes B and C.



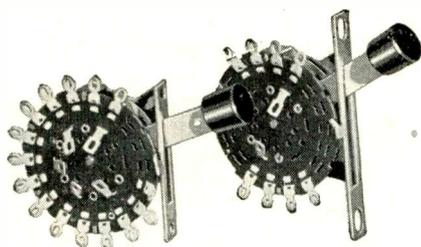
RS-50 AND RSA-50 are selector switches of high grade phenolic insulation suitable for a wide range of radio and other electronic applications. The RS-50 employs a star wheel and ball index for medium and low torque requirements, having a wide circuit range with multiple requirements. The RSA-50 employs single spring hill and valley index embodying ear support for one or two sections and is ideally suited for low torque, band and tone switch applications where low cost is a factor. Refer Notes B and C.



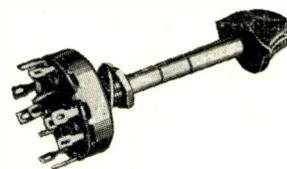
RS-60 AND RSA-60 are switches ideal for circuit selection up to five positions. The section design is especially adapted to application where limited under-chassis space is a factor. The RS-60 employs a star wheel and ball index for medium and low torque requirements having a wide circuit range with multiple requirements. The RSA-60 employs single spring hill and valley index embodying ear support for one or two sections and is ideally suited for low torque, band and tone switch applications, where low cost is a factor. Refer Notes B and C.



RL SWITCHES (1200 and 1300 series) are of high quality, rugged in construction, dependable in design, capable of low current switching, especially desirable for test instrument and industrial electronic applications. Design embraces positive high torque hill and valley index, multiple section construction with excellent range of circuit combinations. It is possible to obtain from 1 to 6 circuits per section with the number of positions depending upon the circuit requirements, utilizing a 30° indexing mechanism. When using a 60° index, 1 to 3 circuits are provided. Refer Notes A, B and C.



LEVER ACTION SWITCHES are particularly designed for intercommunication, centralized radio, sound distribution, public address and test equipment. Positive indexing available in two, three and four positions. Return spring action available in two and three positions. Both types have appropriate circuit combinations. Refer Notes A and B.



3100 SWITCHES are of compact, self-enclosed design, especially intended for radio frequency, tone control, antenna switching, intercommunication, test equipment and many other electronic devices where space is at a premium. Available in twelve or eighteen positions in single section construction, with a wide range of circuit combinations. Refer Notes A, B and C.

P. R. MALLORY & CO., INC., Indianapolis 6, Indiana

P. R. MALLORY & CO. Inc. MALLORY APPROVED PRECISION PRODUCTS

VARIABLE TELEVISION AND RADIO CONTROLS

The Mallory Midgetrol



WIRE WOUND
2 to 7 WATTS



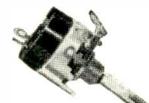
1 1/8" DIA.
CARBON



1 5/8" DIA.
DUAL



1 5/8" DIA.
BAKELITE
SHAFT



1 5/8" DIA.
SINGLE

CARBON AND WIRE WOUND VARIABLE RESISTORS are available in a complete range of appropriate resistance values, tapers and sizes. Designed particularly for the radio, electronic and industrial fields, they employ substantial construction and characteristics that insure maximum satisfaction and dependable performance over long life. Refer Notes A, B and C.

Designed especially to meet the needs of manufacturers for low cost, compact dual controls, the new Mallory Midgetrol-Dual has received wide acceptance from manufacturers of household and automotive radio receivers and television manufacturers.

Particular attention has been given to the high voltage operation characteristics of this control to insure long service-free operation in critical television applications. Mallory Midgetrol-Dual brings to television sets rugged construction, compact size, and versatility.

Mallory Inductuner



INDUCTUNER* is an exclusive patented Mallory device to provide infinitely variable inductance tuning over all frequencies assigned to Television, FM and other stations within the range of 44 to 216 megacycles. Especially designed for Television and FM receivers, it has application in high frequency generators and electronic measuring instruments. Refer Note B. (*Inductuner—Mallory registered trade mark for variable inductance tuning devices.)

Vitreous Resistors



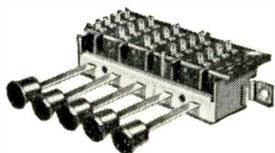
VITREOUS ENAMEL RESISTORS serve industrial electronic and electrical fields as voltage dividers, dropping, load and shunt resistors in all circuits where relatively high power dissipation is required. Their rugged design and construction assure dependable operation over long life. Available in fixed and adjustable types over a wide range of ratings and sizes. Refer Notes A and B.

Jacks, Jack Switches, Plugs

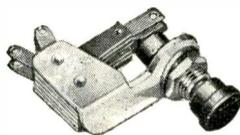


JACKS, JACK SWITCHES AND PLUGS are available in a wide range of sizes and circuit combinations conventional in design with rugged, long life construction. Jacks and switches are available in standard long frame, junior frame and midget sizes. Refer Note A.

Push Button Switches



MC SWITCHES (2100 series) are of multiple button, latching type push button design. Especially adapted to push button circuit selection in radio receivers, intercommunication systems, coin-operated record players, test equipment and many electronic devices requiring switching of low current, high frequency circuits. Refer Notes A, B and C.



2000 SERIES single push button switches have application in test equipment, intercommunication equipment, meter circuits and various electronic circuit applications. Available in locking or non-locking (momentary) action, of sturdy construction and compact for service where behind-panel space is a factor. Refer Note A.

NOTE A. A wide range of standard stock types is available through convenient Mallory distributors. Further particulars are contained in General Catalog 549, available on request.

NOTE B. Detailed Engineering Data Folder is available on request, containing complete electrical, mechanical and dimensional specifications.

NOTE C. Specification sheets are available on request, permitting the engineer to lay out circuit requirements and accurately provide complete specifications for samples or ordering. Printed on thin paper to permit blueprinting and save drafting time.

P. R. MALLORY & CO., INC., Indianapolis 6, Indiana

PR MALLORY & CO. Inc. MALLORY APPROVED PRECISION PRODUCTS

MALLORY METALS & ALLOYS

Mallory takes pride in its long record of successful research in the field of non-ferrous metals and alloys.

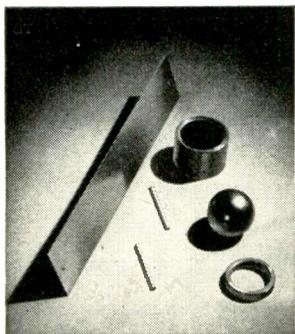
The Mallory Company is a leading producer of special alloys and materials from copper, silver, platinum, palladium, tungsten, molybdenum, and many other non-ferrous elements for unusual applications. Mallory was a pioneer and is still the leader in developing new materials for the contact and resistance welding fields.

In the solution of many unusual problems, a world of engineering "know-how" has been gained in the applying and handling of these materials. This knowledge came to the fore during the war and led to the development of Mallory 1000 rotor rings, the welding of spark plug electrodes, and several other important military products involving special alloys and metals. It is now being used to solve many peacetime metallurgical problems that common-run materials will not handle.

While your materials problem is still in the design stage, or if you have a production problem due to an inadequate material, you are urged to take advantage of the assistance offered by Mallory engineers.

Special Metallurgical Products

With thirty years of experience in the metallurgical field, Mallory has developed numerous special products of non-ferrous metals and alloys that are used extensively in the electrical, electronic, and industrial fields.



High strength, high conductivity copper base bars, strips, forgings, and castings • Mallory 1000—high strength, high density, machinability • Special ferromagnetic iron cores • Tungsten and molybdenum primary shapes and fabricated parts • Tungsten-welded aviation spark plug electrodes • Silver bi-metal • Rare and precious metal parts • Special powder metal parts • Soldaloy*—modern soldering tip material • Precious metal and heavy density silver plating.

*Reg. U.S. Pat. Off.

2000 Precision Electrical and Electronic Items Listed in the Mallory Catalog

For convenience in ordering electrical and electronic components, be sure to keep a copy of the Mallory Catalog handy. It can frequently mean savings in both time and money for purchasing agents, engineers, and designers. Many components, that might be considered "specials" and require expensive tooling and production delays, can often be found as standard items in the Mallory Catalog.



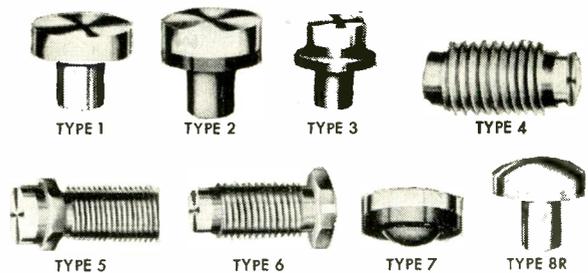
For your added convenience, all catalog items are stocked by a coast-to-coast network of Mallory Distributors conveniently located in both the United States and Canada.

Write for your copy today—Catalog 549

P. R. MALLORY & CO., INC., Indianapolis 6, Indiana

MALLORY CONTACTS

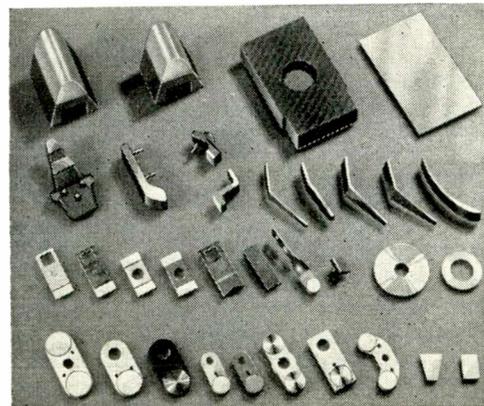
Eight Basic Types Simplify Product Design



As the largest producer of electrical contacts in America, Mallory has created more than 5,000 contact designs in the last 25 years. From this experience, it has come to learn that the eight basic types, shown above, are the ones most commonly needed—the contacts that solve nine problems out of ten.

Mallory offers you a wide variety of these eight basic types. You can get them without delay—without the expense of special tooling. And you can order by catalog number.

Elkonite* Materials



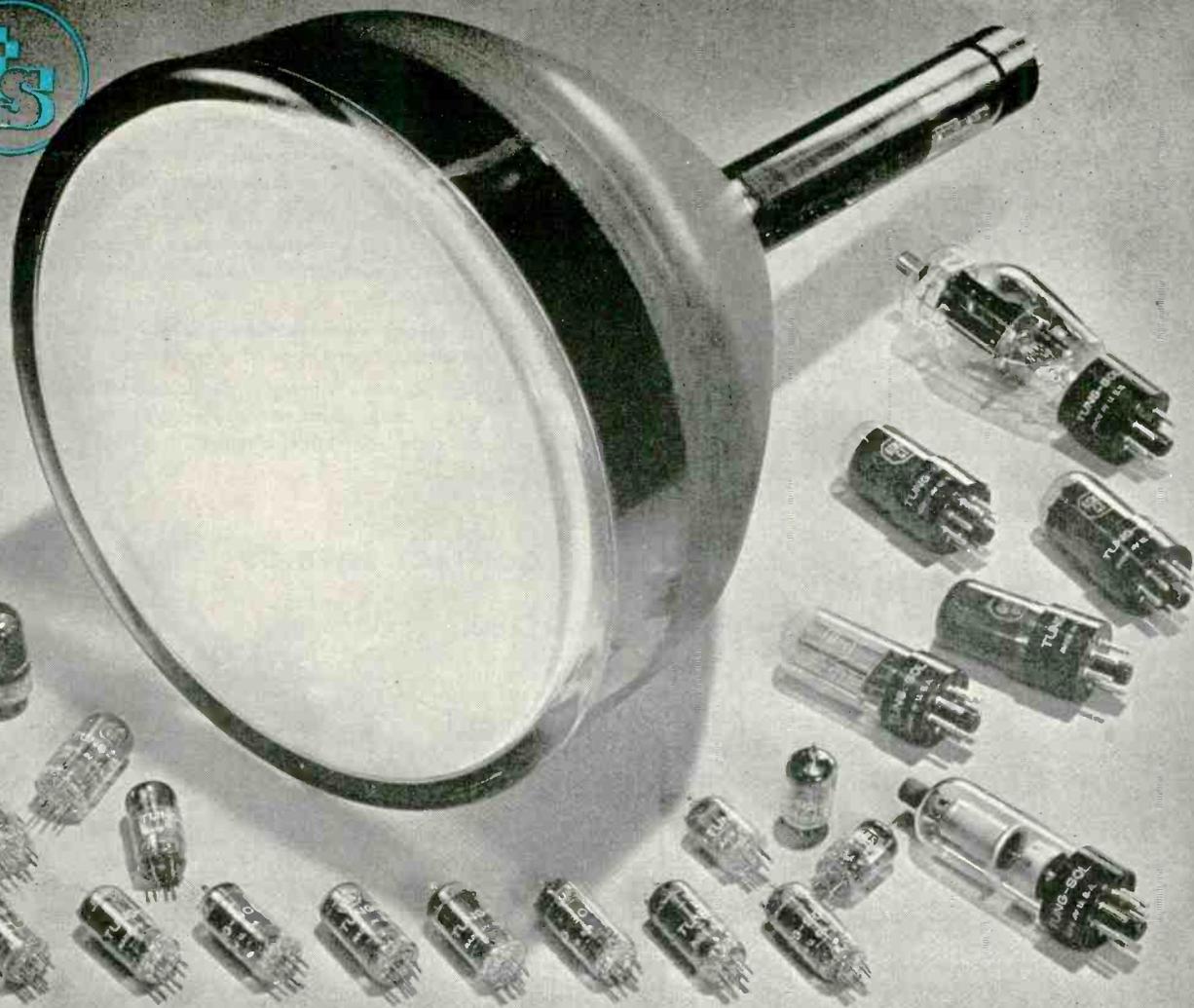
Elkonite, through many years of proved service under severe conditions, is now the standard contact material for most heavy-duty circuit-interrupting equipment. The Elkonite process enables the compounding of metals which will not alloy in any proportion.

Elkonite materials display uniformly high physical properties; and, used in circuit-interrupting devices, they are characterized by hardness, resistance to mechanical wear and impact, good electrical conductivity, resistance to erosion by arcing, and resistance to sticking.

In cases where standard types of contacts cannot be used in electrical apparatus, the Mallory organization can be of great assistance in solving the problem. Mallory engineers, familiar with all phases of contact production, can suggest designs that will give the desired performance without excessive fabrication costs. Where the application requires the development of new materials, a competent metallurgical research staff is available for consultation.

Facilities are available for manufacturing complete contact assemblies and contacts attached to brackets, springs, studs, or arms furnished by customers.

*Reg. U.S. Pat. Off.



TUNG-SOL DEPENDABLE SOURCE OF SUPPLY FOR HIGH QUALITY ELECTRON TUBES

Tung-Sol's reputation has been built because, year after year, Tung-Sol's quality has consistently been of the highest standard. There is a TUNG-SOL Tube to satisfy every receiving tube requirement. That is why Tung-Sol's customers are among the foremost manufacturers in the electronics industry.

IN THE ORIGINAL EQUIPMENT MARKET Tung-Sol is small enough to give individual attention to every customer and large enough to produce high quality products in large quantities. Tung-Sol has always realized that the quality of a customer's product is de-

pendent upon the quality of the tubes used. IN THE REPLACEMENT MARKET most reputable wholesalers prefer to handle Tung-Sol tubes. They like their uniform high quality and appreciate TUNG-SOL's friendly way of doing business.

TUNG-SOL LAMP WORKS INC., NEWARK 4, N. J.



Send for the "TUNG-SOL Technical Data Book". It is a valuable aid to troubleshooting. You will find its 400 pages to be an up-to-date source of information on types of tubes, both new and old, and their characteristics. In addition to written descriptions there are diagrams, graphs, and curves for at-a-glance reference. Price \$4.75 delivered.

TUNG-SOL TELEVISION AND RADIO TUBES

SALES OFFICES: ATLANTA • CHICAGO • DALLAS • DENVER • DETROIT • LOS ANGELES • NEWARK
Also Manufacturers of MINIATURE INCANDESCENT LAMPS, ALL-GLASS SEALED BEAM HEADLIGHT LAMPS AND CURRENT INTERRUPTORS

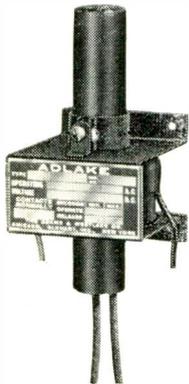
Adlake PLUNGER-TYPE MERCURY RELAYS

They have proved their value to American industry by their efficient handling of tough and unusual jobs.

If you have a knotty operating problem, Adlake engineers stand ready at all times to recommend—and if necessary, develop—the relay best suited to your needs. There's no obligation. Due to limited space on these two pages, we can show only a few typical Adlake Relays, but all have these advantages in common:

1. Mercury-to-mercury contact assures positive, trouble-free action; chatterless, silent; impervious to burning, pitting or sticking.
2. Contacts are *hermetically sealed* in glass or metal cylinders—dust, dirt, moisture or oxidation can never interfere with operation.
3. Armored against outside vibration or impact; designed for either stationary or moving equipment.
4. Because they are hermetically sealed, Adlake Relays require no servicing, maintenance or periodic cleaning of contacts; they are dependable, efficient . . . *always*.

TYPE 1101 TIME DELAY RELAY FOR A.C. ENERGIZATION



Maximum time delay . . . up to 20 minutes

Coil voltage . . . up to 440 v. A.C. (25-50 and 60 cy.)

Coil—watts input . . . 3.5 to 5 watts (depending on frequency)

Contact arrangement . . . single pole normally open or closed

Available in . . . slow operate—quick release
slow operate—slow release
quick operate—slow release

Type 1101-8 (Contact Normally Open)

TIME DELAY—CONTACT NORMALLY OPEN

		110 VOLTS		220 VOLTS	
		A.C.	D.C.	A.C.	D.C.
Slow operate	Non-inductive	15 amp	1.5 amp	5 amp	.5 amp
Quick release	Inductive	10 amp	1 amp	3 amp	.3 amp
Slow operate	Non-inductive	5 amp	.5 amp	1.5 amp	.15 amp
Slow release	Inductive	2.5 amp	.15 amp	.8 amp	.1 amp
Quick operate	Non-inductive	5 amp	.5 amp	1.5 amp	.15 amp
Slow release	Inductive	2.5 amp	.15 amp	.8 amp	.1 amp

WHEN TIME DELAYS:

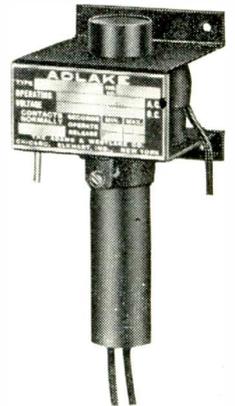
.5 to 10 seconds	Loads as above
11 to 60 seconds	50% of above loads
61 to 120 seconds	25% of above loads
Over 120 seconds	10% of above loads

TIME DELAY—CONTACT NORMALLY CLOSED

		110 VOLTS		220 VOLTS	
		A.C.	D.C.	A.C.	D.C.
Slow operate	Non-inductive	5 amp	.5 amp	1.5 amp	.15 amp
Quick release	Inductive	2.5 amp	.15 amp	.8 amp	.1 amp
Slow operate	Non-inductive	5 amp	.5 amp	1.5 amp	.15 amp
Slow release	Inductive	2.5 amp	.15 amp	.8 amp	.1 amp
Quick operate	Non-inductive	15 amp	1.5 amp	5 amp	.5 amp
Slow release	Inductive	10 amp	1 amp	3 amp	.1 amp

WHEN TIME DELAYS:

.5 to 10 seconds	Loads as above
11 to 60 seconds	50% of above loads
61 to 120 seconds	25% of above loads
Over 120 seconds	10% of above loads



Type 1101-34 (Contact Normally Closed)

TYPE 1200 TIME DELAY RELAY FOR D.C. ENERGIZATION

Maximum time delay . . . up to 20 minutes

Coil voltage . . . to 130 v. D.C.

Coil—watts input . . . 3.0 to 5.5 watts

Contact arrangement . . . single pole normally open or normally closed

Contact ratings . . . identical to type 1040 above

Available in . . . slow operate—quick release
slow operate—slow release
quick operate—slow release

Note: This relay may be used on higher D.C. voltages if an external resistor is placed in series with the coil.

TYPE 1110 RELAY WITH TERMINAL BLOCK

Illustrated, glass enclosed contacts. Also available with stainless steel enclosed contacts. Standard finish . . . black enamel (wrinkle finish) Designed for quick operate, and quick release under load conditions

CONTACT NORMALLY OPEN

Coil voltage . . . 115 v., 60 cy.

Coil input070 amp., 4.5 watts

CONTACT NORMALLY CLOSED

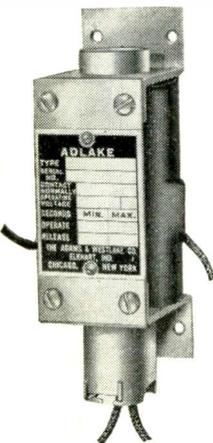
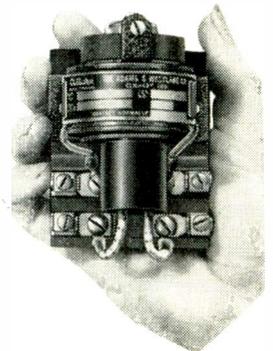
Coil voltage . . . 115 v., 60 cy.

Coil input050 amp., 2.5 watts

Supplied with external resistor for 220 v., 60 cy.

Contact capacity—30 amps, non-inductive at 115 v., 60 cy.

Equipped with compression-type terminals to simplify installation.



Stupakoff

CERAMICS

KOVAR-GLASS TERMINALS

KOVAR METAL

Products

TYPICAL APPLICATIONS

RADIO AND ELECTRONICS

TUBE COMPONENTS: Cathode ray tube mount supports, Kovar-Glass Terminals and Kovar Metal shapes. Ceramics of Steatite or Refractory and thermal shock resistant oxides.

ANTENNAS: Low loss Strains, Spreaders, Stand-offs, Entrance Cups and Bushings. Ceramic parts or ceramics assembled with metal fittings.

TRANSMISSION LINE: Coaxial Cable insulators. Low loss Supports, Strains and Spreaders for two or more wires.

PRINTED CIRCUITS: Low loss ceramics for miniature radio, hearing aids, etc. Precision ground ceramic plates or printed circuits.

CONDENSERS: Shafts and End Plates, plain or metallized. Ceramic cases for paper condensers. Hi K compositions, P-100 through N-750; K-33 to K-4000 supplied as rods, tubes, discs, special shapes, plain or metallized.

TRANSFORMERS: Plain or metallized ceramic Lead-through Bushings. Kovar-Glass Terminals.

RESISTORS: Plain or metallized Cores and Cases. Temperature Sensitive Ceramic Resistors, resistance decreasing approximately 30% for each 10° C rise.

TRANSMITTERS AND RECEIVERS: Round, square and Conical Stand-offs and Stand-off Assemblies. Cylindrical and Bar Type Coil Forms of ultra low loss Steatite.

INSULCON

Stupakoff Insulcon is a rich source of Infra-Red Radiation used in spectrographic and other technical applications. Insulcon is a second class conductor with infinite electrical resistance at room temperature and about 500 ohms at 3000° F.

CASTING CORES

Investment Casting Cores—precision made, round, tapered, threaded and special shapes. Easily removed with hot caustic soda or by machining.

WIRING DEVICES

Ceramic Switch Bases, Ceiling Receptacles, plain or pull-chain, Sockets, Outlet Boxes and Pole Line Insulators.

THERMOCOUPLE INSULATORS

Single or multiple hole Tubing for base or rare metal. Flex-Sok Beads. Special thermal shock resistant and highly refractory Insulators.

MERCURY SWITCHES

Glass to Ceramic Seals. Kovar-Glass Seals and Terminals. Kovar Metal sheet, rods, tubes or shapes.

INSTRUMENTS

Special compositions of controlled porosity and density for Altimeter and Pressure Equalization Applications. Ceramic Dash Pots and Pointer Stops. Kovar-Glass Terminals and Lead-through Bushings for pressure sealed and Evacuated Devices. Temperature Sensitive Resistors, resistance decreasing approximately 30% per 10° C rise, for Temperature Measurement, Compensation and Control, Pressure, Flow, High Frequency Power Measurement, Time Delay and Audio Frequency Applications.

ARC SUPPRESSORS

Arc and flame resistant ceramics in simple or intricate designs. Ceramics or Assemblies.

TURBO-JET PARTS

Tubes, Rods and Special Shapes of highly Refractory and Thermal Shock Resistant Compositions.

ELECTRICAL APPLIANCES

Thermal shock resistant Terminal Blocks, Switch Cases, Entrance Bushings, Grommets, Elements, Cores, Spools and Hooks.

STUPAKOFF'S FIFTY-FIRST YEAR

AN A TO Z SELECTION OF CERAMICS:

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KOVAR-GLASS TERMINALS KOVAR METAL

STUPAKOFF CERAMIC & MANUFACTURING COMPANY

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Latrobe, Pennsylvania

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MARION

means the **MOST** in meters

SEALED LIKE A VACUUM TUBE FOR GUARANTEED PERFORMANCE

Magnetically shielded. 2½" x 3½". Dustproof and moisture-proof. Unaffected by heat, cold, humidity. Made to JAN specifications, giving peak performance with critical accuracy. Interchangeable round and square colored flanges for different panel needs. One year unconditional guarantee on materials and workmanship. Extra guarantee for replacement of burned out or abused hermetically sealed meter. (On flat fee basis, \$1.50 for 200 microamps upward; \$2.50 if more sensitive than 200 microamps.)



HM3



HM2

MODEL 55



Large, 4⅝" x 4⅛". Gives real microamp readability on 100° scale. Alnico V magnets for sensitive range; heavy Alnico for standard ranges. Extreme accuracy assured. Designed for permanent and portable test equipment.

MODEL MC1



Fan shaped, switchboard type instrument accurate to 1% (to 0.5% on special order). Rugged — shatterproof glass window and magnetic shielding. Standard or mirror scales. Popular for telephone switchboard and test equipment applications.

MODEL 52N



Space saver, yet has superior damping characteristics. Available in standard 2½" square (Model 52S). Dependable, extra strong — has well-aged Alnico magnet and heavy flanged construction. Popular for pocket test, portable radio, medical equipment and general electrical service where size and dependability count.

MODEL 56



New 6½" x 5¼" bakelite cased meter. Easy reading at a distance. Large open face has 100° scale in 5½" arc. Room for multirange scale if needed. Milliamp ranges are Alnico II constructed, Alnico V for microamps. Strong, accurate, efficient, dependable.

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MODEL 53SN



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Type U



Type R



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- TYPE F, contact type, and TYPE FI, with insulated heater, available in ranges of 1.2 milliamperes and over.
- TYPE M, contact type, 25 MV output, constructed in ranges of 100 milliamperes and over.
- TYPE U, with insulated heater, for measurements at ultra-high frequencies, made in ranges of 3 milliamperes and over. Streamlined to make convenient use in coaxial cables or fittings possible.
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in the World**



**The only 3 core solder made
with ERSIN FLUX...the original
non-corrosive, extra-active flux**

TECHNICAL ADVANTAGES

Multicore Solder

- Three separate cores of flux eliminate possibility of no flux in a portion of the wire, which may occur in single cored solder. Guaranteed continuity of the flux stream prevents "dry" joints, i.e. those having high electrical resistance.
- Although there are three cores of flux in Multicore, the total percentage of flux to solder is no greater than in single cored solder.
- Very rapid melting results from the multiple core construction which provides thinner walls of solder than are found in same gauge single cored solder.
- Multicore's unique properties make perfect joints possible on difficult metals and alloys, even if oxidized.
- Ability to tin rapidly produces perfect joints with less solder. Greater coverage per pound.

Ersin Flux

- Ersin Flux is an exclusive product of Multicore Solders Limited, and is only supplied as part of Multicore Solder. It is a high grade, water white rosin, homogeneously activated.
- Confers on rosin a vigorous fluxing action without affecting the non-corrosive and protected features of the original rosin.
- Soldered joints made with Ersin Flux do not corrode even after prolonged exposure to a degree of humidity.
- Reduces the surface tension of molten solder, causing it to wet metals rapidly, increasing speed of operation with resultant production economies.
- Free from objectionable odor. Non-toxic in use.
- Leaves nothing but pure rosin on the work after soldering, and may be used wherever plain rosin is specified.

ALLOY AND MELTING POINTS OF ERSIN MULTICORE SOLDER

Alloy Tin/Lead	Multicore Color Code	Solidus °C.	Liquidus °C.	Recommended bit temperature °C.	USES
60/40	Red	183°	190°	230°	High quality work requiring low melting point alloy.
50/50	Yellow	183°	212°	252°	Hand soldering. Radio, telephone and electrical equipment; batteries.
45/55	Crimson/Buff	183°	227°	267°	
40/60	Green	183°	238°	278°	Fuses, motors, dynamos.
30/70	White	183°	257°	297°	
20/80	Purple	183°	276°	316°	Comps, motors, dynamos.

STANDARD GAUGES

Standard Wire Gauge	Diameter in Inches	Diameter in Millimeters	Approximate Number of Feet per lb.					
			ALLOY					
			60/40	50/50	45/55	40/60	30/70	20/80
10	1.128	3.251	25.2	24.1	23.5	23.0	21.9	20.8
12	0.104	2.642	38.1	36.5	35.2	34.9	33.1	31.5
13	0.092	2.337	48.7	46.6	45.3	44.5	42.3	40.3
14	0.080	2.032	64.4	61.7	59.2	58.6	56.0	53.3
16	0.064	1.626	100.5	96.4	94.3	92.1	87.5	83.3
18	0.048	1.219	178.5	171.0	167.8	163.5	155.5	148.0
19	0.040	1.016	257.5	246.5	240.4	235.5	224.0	213.0
20	0.036	0.914	318.0	304.5	302.5	291.0	276.5	263.0
22	0.028	0.711	526.0	503.0	492.0	481.0	457.0	435.0

ERSIN MULTICORE SOLDER is made in a wide range of gauges, as shown. It can also be supplied in any intermediate size. For general radio and electronic production 13, 14, 16 and 18 S.W.G. are the most widely used gauges.

FEDERAL SPECIFICATIONS

ERSIN Multicore Solder meets all requirements of Federal Specification QQ-S-571-b September, 1947 entitled "Solders Soft Tin Lead" as certified by the New York Testing Laboratory Incorporated.

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Specify

HI-Q

COMPONENTS

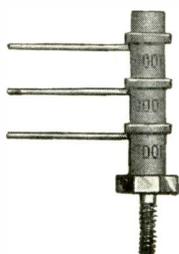


HI-Q TEMPERATURE COMPENSATING CAPACITORS

HI-Q temperature compensating capacitors are available in three types. CN & SI types with capacities from .25 mmf to 1830 mmf and CI types from .25 mmf to 595 mmf with a temperature coefficient range from P 100 to N 1400. All of these HI-Q styles are of tubular ceramic construction with pure silver electrodes precision coated. Style SI is insulated with a synthetic coating of Durez, style CN is of Styrene and CI is Steatite covered.

HI-Q GENERAL PURPOSE CERAMIC CAPACITORS

HI-Q General Purpose Ceramic Capacitors readily replace mica and paper condensers of corresponding values. HI-Q General Purpose Ceramic Capacitors should not be confused with the HI-Q line of close tolerance temperature compensating units. HI-Q General Purpose Ceramic Capacitors are available in capacity ratings from 5 mmf to 33,000 mmf.



HI-Q STAND-OFF CAPACITORS

HI-Q "stand-off" capacitors are basically tubular with a screw fixture for mounting to the chassis or common ground. Close coupling and their unique construction make them an excellent choice for by-passing RF in the high frequencies. Standard capacity tolerances are $\pm 10\%$ and $\pm 20\%$ for "stand-off" capacitors and -20% and $+30\%$ for multiple tap units. Closer tolerances available wherever economical manufacturing permits. All units flash tested for 1000 volts DC with power factor under 3% maximum and insulation resistance is above 10,000 megohms. All units stamped for capacity.

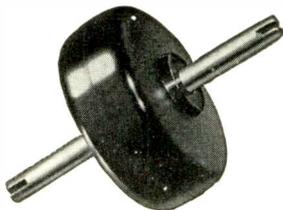
HI-Q FEED-THRU CAPACITORS

HI-Q "feed-thru" capacitors provide perfect transmission through the chassis or ground, as well as by-passing to ground. The high quality construction of HI-Q "feed-thru" capacitors, is extremely rugged and will withstand severe vibration, making them ideal for use in mobile and aircraft applications.



HI-Q HIGH VOLTAGE CAPACITORS HI-Q DISC CAPACITORS

HI-Q HV Capacitors are a sturdy unit, capable of withstanding high voltages, operating at extreme humidity and raised temperatures. They are a natural television component. The basic dielectric is body 20, encased in a low loss, mineral filled bakelite. Available in capacities 50 mmf to 1,000 mmf. Specify desired capacity after type HV when ordering.



HI-Q Disc Capacitors are high dielectric by-pass, blocking or coupling capacitors. Designed for application where its physical shape is more adaptable than tubular units. The placement of leads is such that close connections are easily made, thus reducing inductance to a minimum, a much desired feature in high frequency designs, such as television and FM. Available in three types: BPD-5: .005 MFD guar. min., BPD-10: .01 MFD guar. min. and BPD-1.5: .0015 MFD guar. min.



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HI-Q Wire Wound Resistors are made by winding special resistance wire upon a high refractory ceramic core. The resistor element is anchored at each end to copper terminals and silver soldered to insure excellent electrical contact. The unit is then encased in vitreous enamel, long recognized as the ideal covering for wire wound resistors.

HI-Q Wire Wound Resistors are wattage rated according to the dissipation of heat each resistor will handle without exceeding 300°C (530°F) at its hotspot, from a starting ambient temperature not to exceed 40°C (104°F). **HI-Q** Wire Wound Resistors are the result of years of specialization and experience by Electrical Reactance Corp.

HI-Q CHOKE COILS NON-INSULATED CHOKES



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HI-Q Insulated Chokes are available in various values, insulated with a steatite cover tube insuring maximum protection against high humidity and temperature change.

SPECIAL WINDINGS



HI-Q Choke Coils are available in certain types and combinations of special windings. **HI-Q** C and L combinations of capacity and inductance are available in many values. Consult us for assistance on special windings and insulated chokes.

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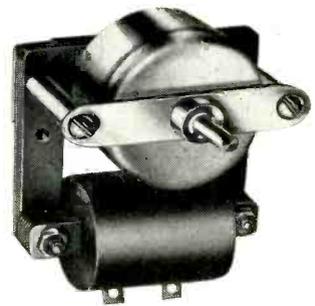
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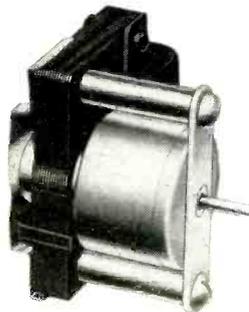
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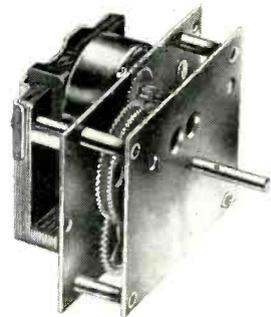
Light-duty motor, type H3
Torque rating .018 pound-inch at 3.6 rpm at 60 cycles 115 volts.



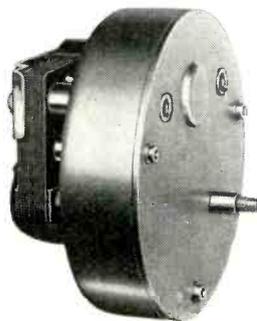
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Designed especially for chart drives, but adaptable to most instruments. Terminal shaft speeds from one revolution in 15 minutes to 1 revolution in 30 days. Terminal shaft rotation counter-clockwise.

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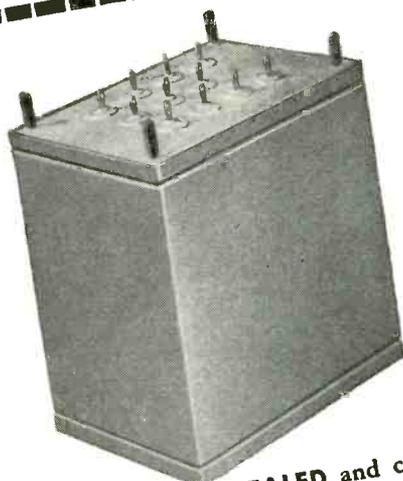
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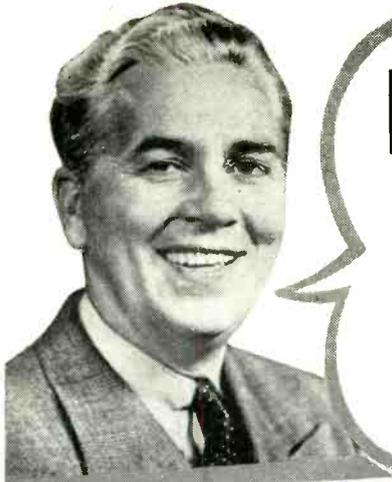
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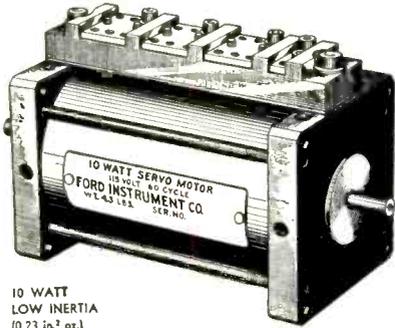
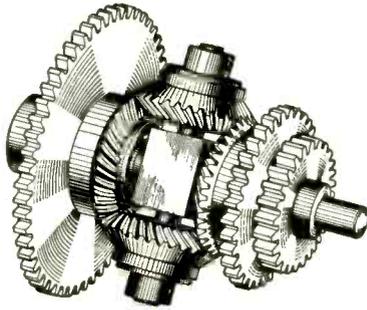
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11747 W. Pico Blvd., Los Angeles 34, Calif.

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Precision Plus!



10 WATT
LOW INERTIA
(0.23 in.² oz.)

LOW INERTIA SERVO MOTORS

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HERMETIC SEALING SERVICE

Electro-Seal service increases usefulness, life and freedom from maintenance of such electrical products as relays, transformers, choke coils, pulse transformers, amplifiers, rectifiers, crystals, vibrators, flashers, timers, etc.

Electro-Seal provides the design, enclosure, base, brackets and terminals. We assemble, wire and seal your component into the enclosure . . . or manufacture and supply the component parts.

Let us show you how "Electro-Sealing" can protect your product from the effects of altitude, moisture, dust and fumes.

ELECTRO-SEAL CORPORATION

946 Lee Street

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Illinois

AMPERITE

THERMOSTATIC METAL TYPE

Delay Relays

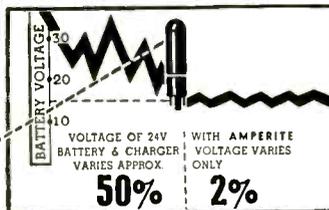
PROVIDE DELAYS RANGING
FROM 1 TO 120 SECONDS



FEATURES: — Compensated for ambient temperature changes from -40° to 110° F . . . Hermetically sealed; not affected by altitude, moisture or other climate changes . . . Explosion-proof . . . Octal radio base . . . Compact, light, rugged, inexpensive . . . Circuits available: SPST Normally Open; SPST Normally Closed.

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Amperite REGULATORS are the simplest, lightest,

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TYPE MC9: Dimensions include 7/16", 13/16", 1 1/64", .400", .093", .486".

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TYPE SR5: Dimensions include 7/16", 1 9/64", 1 1/4", 5/8", .125", .500".

TYPE MS433: Dimensions include .977", 1 3/32", 2 3/32", STD. OCTAL BASE, 25 3/64".

TYPE MC7: Dimensions include 2 3/32", 1 1/8", 1 39/64", 9/16", .125", .750".

TYPE KV3: Dimensions include 1 1/8", 1 1/4", 1 3/8", 3/8", .093", .486".

TYPE SR8: Dimensions include 7/16", 1 1/8", 1 1/4", 1 3/32", .093", .486".

TYPE MS433: Dimensions include 2 3/32", 25 3/32", 1 3/32", 1 3/64", .050", 3/4".

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TYPE BH6: Dimensions include 1 1/2", 1 3/16", 1 1/2", 1 3/32", 1 486/64", 3/4".

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TYPE TCO-1: Dimensions include 1 1/4" D., 1 3/16", 1 1/2", 5/16".

CODE	TYPE	TOLERANCE	FREQ. RANGE	PRICE
C1	MC7	±.02%	2-3.5 mc	\$ 6.00
C1	SR5	±.02%	2-3.5 mc	6.00
C1	SR8	±.02%	2-3.5 mc	6.00
C2	MC9	±.02%	3105 kc	5.50
C3	MC9	±.02%	5000 kc	2.80
C4	SR10	±.05%	16-20 mc	7.95
C5	MC9	±.05%	10.7 mc	3.95
C6	MS433	±.005%	1000 kc	17.00
C6	KV3	±.005%	100 kc	6.95
C7	MC9	±.05%	13560 kc	5.50

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- COMMERCIAL.....airline (CAATC), marine, police, taxi, broadcast, ultrasonics.

Special Service crystals are custom built to your end use specifications. BLILEY engineers and craftsmen, qualified by many years of experience in both military and commercial requirements, will produce and deliver sample lots or production quantities with equal ease. Specify BLILEY crystals for all precision frequency control applications.

CHECK THESE *TURBO* PRODUCTS



WILLIAM BRAND & COMPANY maintain an extensive research laboratory where all TURBO products are continuously tested for assurance of "as rated" characteristics. New materials, as they are developed, are subjected to series of accelerated breakdown tests against all known deteriorating agents before such materials are incorporated into TURBO manufacturing processes. WILLIAM BRAND & COMPANY invites users to submit their electrical insulation problems of any nature for study and recommendation.

TURBO VARNISHED TUBING



For Extra Dependability At No Extra Cost!

TURBO Varnished Tubing is a braided cotton sleeve impregnated with a fine insulating varnish. Ideal for general application, it features high tensile strength, good flexibility, non-peeling and non-cracking qualities, low moisture absorption, oil and acid resistance plus moderate cost. Perfect concentricity facilitates wiring and a wide range of sizes meets all applications.

TURBO RADIO GRADE

4000 V.

BREAKDOWN A·S·T·M TEST

TURBO MAGNETO GRADE

7000 V.

BREAKDOWN A·S·T·M TEST

TURBO INSULATED WIRE

TURBOTHERM REL 16-A

- AVAILABLE FOR 300 AND 600 V.
- NON-POROUS, NON-FRAYING
- NON-DETERIORATING VINYL DIELECTRIC
- FREE STRIPPING INSULATION
- WITHSTANDS POTTING TEMPERATURES
- FLEXIBLE

...now you need stock but one wire for every hook-up and lead requirement!

TURBO REL 16-A is a free-stripping insulated wire composed of a tinned copper conductor (for rapid production) covered with a layer of non-deteriorating vinyl plastic (for permanent electrical protection), overlaid with a close-woven lacquered glass jacket (for top mechanical protection). THIS IS THE FIRST THERMO-PLASTIC WIRE TO EARN UNDERWRITERS' RECOGNITION FOR 105°C CONTINUOUS OPERATION!

TURBO SATURATED SLEEVING*

*EXCLUSIVELY PROCESSED FOR

SIZES —
41 sizes from .022" to 1.5" inside dia.

LENGTHS —
Standard bundles of 42" strands. Sizes 13 to 24 inclusive can be supplied in any length on spools.

COLORS —
Black, yellow, red, green, brown, blue. Standard up to size No. 12. Black and yellow on large sizes. Other colors special.

HIGHER TENSILE STRENGTH

GREATER FLEXIBILITY

ABSOLUTE CONCENTRICITY

SLOW BURNING COMPOSITION

LOW MOISTURE ABSORPTION

FREEDOM FROM PEELING

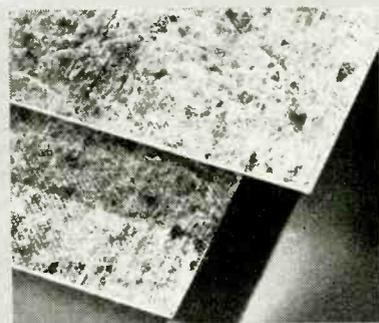
A low cost insulation tubing impregnated for maximum serviceability and extra long life!

TURBO Saturated Sleeving is made from select cotton braid sleeving saturated with a special TURBO varnish that seals every pore without impairing flexibility. This low cost tubing is ideal for general wiring applications, for moderate temperature extremes and where electrical stress does not exceed 1200 V.

TURBO MICA PRODUCTS

TURBO MICA
A GRADE FOR EVERY ELECTRICAL REQUIREMENT!

MICA comprises a group of natural silicates distinguished by highly developed basal cleavage into thin, tough, flexible laminations. Used as electrical insulation, TURBO MICA POSSESSES IDEAL ELECTRICAL PROPERTIES.



HEATER PLATE MICA—For direct contact with heat, 1000°F—625 VPM. **FLEXIBLE PLATE MICA**—Plastic and moldable, 525 VPM. **SEGMENT PLATE MICA**—Soft edged to wear with commutator bars, 625 VPM. **MOLDING PLATE MICA**—Becomes moldable at 284°F, 600 VPM on flat sheets. **INDIA SEGMENT PLATE**—Similar to segment plate but harder and has higher thermal characteristics. **B-H-1 and 2 PLATE MICA**—A built-up mica plate, high rigidity and temperature resistance (302°F). **BLOCK MICA** to rigid specifications, all standard sizes. **MICA FILMS** for mica condensers.

TURBO CAMBRICS, TAPES, CLOTHS AND PAPERS are treated with multiple coats of baked-on varnishes for excellent protection against voltage breakdown, oils, moisture and alkalis, under the most severe operating conditions. All standard types, sizes, lengths and colors are available.



WILLIAM BRAND & COMPANY

276 FOURTH AVE., NEW YORK 10, N.Y. • 1313 W. RANDOLPH ST., CHICAGO, ILL.

FOR ALL *INSULATION* NEEDS

The part of the entire cost of an electrical product represented by its insulation is indeed small. However, the insulation is perhaps the most vital non-operating part of the product! For where failures do occur in electrical equipment, over 85% of them are due to faulty insulation! Evidently then, nothing but the finest in insulating materials must be used to assure top-most dependability. This is why most reputable manufacturers insist on BRAND TURBO insulations for their products.



TURBO EXTRUDED TUBING



SPECIFICATIONS

SIZES	36 SIZES FROM .25" TO 1.5" INSIDE DIA.
LENGTHS	CONTINUOUS LENGTHS 25' UP, DEPENDING UPON SIZE OF TUBING
COLORS	BLACK, YELLOW, RED, GREEN, BLUE, BROWN, WHITE AND TRANSPARENT



A HOMOGENEOUS VINYLITE PLASTIC TUBING FORMED ON EXTRUSION PRESSES

Here is one of the finest electrical tubings made. It is ideal for service covering high temperatures or wide fluctuation of temperature. Its homogeneous vinyl covering—forming a deterioration resisting dielectric barrier—is furnished to close tolerances for close fitting insulation. In 36 sizes up to 1.5" ID, continuous lengths and 7 colors plus transparent.

TURBO REL 16-A TUBING

THE NEW TURBO THERMO PLASTIC TUBING



UNDERWRITERS APPROVED FOR
105°C
CONTINUOUS OPERATION

FOR HIGH HEAT APPLICATIONS

REL 16-A is the new TURBO tubing that features—

- EXTREME HEAT RESISTANCE, UL APPROVED FOR 105°C
- LOW MOISTURE ABSORPTION—LESS THAN 1%
- PERMANENT FLEXIBILITY—SMOOTH WALL FINISH
- NON-COMBUSTIBLE FOR POTTING AND SOLDERING
- HIGH DIELECTRIC STRENGTH

An expanded range of wall thicknesses provides a REL 16-A tubing for almost any tough wiring problem.

TURBO GLASS TUBING

AVAILABLE IN FOUR GRADES

SINGLE SATURATED 1200 V. (ASTM)	TRIPLE STRENGTH 3500 V. (ASTM)
DOUBLE DIPPED 2000 V. (ASTM)	MAGNETO GRADE 7000 V. (ASTM)

- RESISTS HIGH HEAT, ABRASION — FLEXIBLE, NON-HYGROSCOPIC
- SUPER-IMPREGNATED WITH SUPERIOR INSULATING VARNISH
- MINIMUM POROSITY, HIGH DIELECTRIC STRENGTH
- CLOSE WOVEN FIBROUS GLASS YARN



Here's the *Solution* to HIGH TEMPERATURE PROBLEMS!

TURBO Fibrous Glass Tubing makes full use of the natural insulating property of GLASS—reinforced by the varnished coating to yield a nearly ideal dielectric impervious to moisture and other deteriorating influences. It is excellent where severe heat conditions or high dielectric requirements rule out ordinary insulations—especially where minimum bulk is desirable. Available in 4 grades, 28 diameters, 5 colors, 42' lengths and in continuous coils.

TURBO WIRE MARKERS

- WOVEN FABRIC MARKERS
- EXTRUDED PLASTICS MARKERS
- SLEEVE OR TAB TYPE
- CHOICE OF COLORS



TURBO WIRE MARKERS SPEED ELECTRICAL OPERATIONS!

TURBO Wire Markers are used to identify electrical conductors or, in fact, any tubing, wiring, rod, pipe, hose, cable or connection. Dimensioned to precise limits to insure snug fit, these markers cut assembly costs wherever a multiplicity of electrical operations must be effected with speed and accuracy. Printed legend may be applied longitudinally or circumferentially in any color of ink. The tab type is especially suitable for use on finer wires. Sizes as required.

SEND FOR FREE TURBO SAMPLE BOARD! Write on your company letterhead for this valuable insulation selector. Contains actual testing specimens of TURBO Sleeveings and Tubings together with data and recommendations. In various sizes and colors.



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ADC ELECTRO-UNITS!

ADC JACKS



Approved, rigid, welded, box-type construction. Non-aging, non-ferrous springs provide permanent, proper tension. Silver alloy contacts riveted thru blades. Standard dimensions.

Write for catalog.

ADC PLUGS AND PATCH CORDS

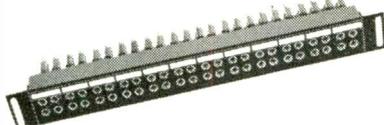


ADC Plugs: precision made of finest materials. Assure utmost dependability. Interchangeable with standard plugs.

ADC Patch Cords: finest stranded tinned copper, 2 conductor wire. Well shielded and insulated.

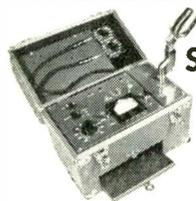
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ADC JACK PANELS



Standard spacing for use with any double plug. Mounting holes fit all standard jacks. Hole pairs spaced to prevent crossing circuits. Solid plastic panels reinforced with steel and ready to mount on standard 19" relay rack. Improved designation strip makes it easy to remove or replace cards.

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SOUND LEVEL METER

A quality built instrument complete with built-in filters that meets the American Standards Association's specification for sound level meters.

NEW ADC TRANSFORMERS

ADC Engineering, quality control, and rigid production testing assure you trouble free ADC Transformers and Components for communications equipment.

Now ADC offers the intermediate series transformers, to broaden the *electronic industrial* applications for ADC quality.

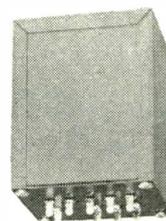
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**Quality Plus Series,
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Units may be selected from one of these series to fit any requirement for longitudinal balance, low hum pickup, desired frequency response, open frame or enclosed construction.

Your transformer requirements for response, temperature rise or mounting can be filled either from our catalog of stock transformers, or with transformers developed especially to fit your need.

Write today for further information.



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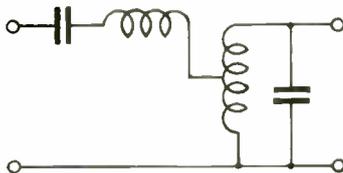


YEOMAN



INDUSTRIAL

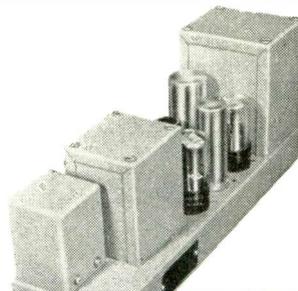
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ADC designs and builds all types of standard and special filters. Years of experience and the employment of trained research engineers qualify ADC to design filters meeting the most rigid requirements. A crystal control frequency standard enables us to manufacture filters to precise tolerances.

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An unusually versatile amplifier series for wide range frequency response with low distortion. The series provides input and output impedances suitable for broadcast stations, wired music installations, turntables and operation with quality tuners.

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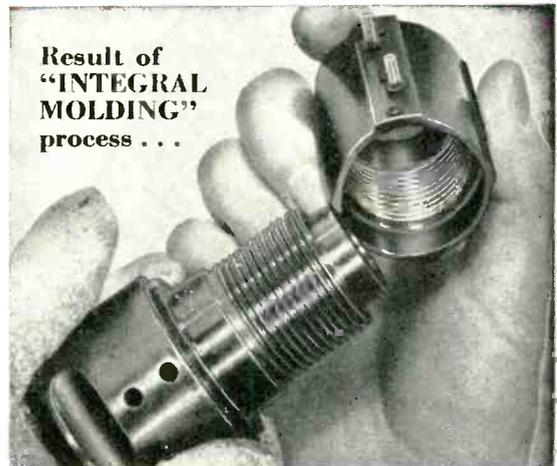
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Forever Locks Coiled Resistance Element
and Terminals into One Integral Unit
with Housing . . . Assures Unequaled and
Permanent Operational Accuracy.

... and only the
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has it!



Make-ready for
“INTEGRAL
MOLDING”
process . . .

The coiled resistance element
is threaded on the molded core



Result of
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Resistance element and terminals
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- Resistance output is directly proportional to shaft rotation through a full 3,600 degrees within $\pm 0.1\%$: this linearity is carried right to the counter clockwise stop. In the Gibbs MICROPOT such results are obtained by precision manufacturing and methods.
- Precision ground, stainless steel, double thread, lead screw guides the rotating contact, *guarantees* smooth action, low uniform torque

and accurate settings — *permanently*.

- Rotor assembly, supported on two bearings, assures long life and low torque.
- Ends of resistance element *soldered* to terminals *before molding*.
- Anti backlash spring in contact guide—assures you positive setting and resetting.
- The $4\frac{1}{2}$ " length of resistance element gives you a finer resolution.



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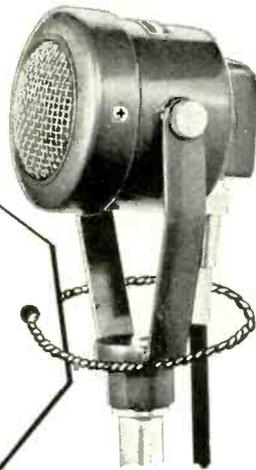
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Response: 40—9000 c.p.s.
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* "Best all-purpose mike ever used"
"Very satisfied—excellent results—ruggedness an asset."



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22X Crystal—50-9000 c.p.s.,
52 db below 1 volt/dyne/sq.cm.
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at high impedance.

* "Good tonal quality and smart design."
"Does an excellent job on wire recording."

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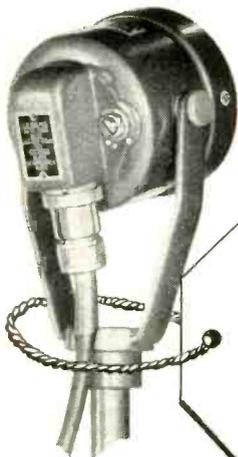
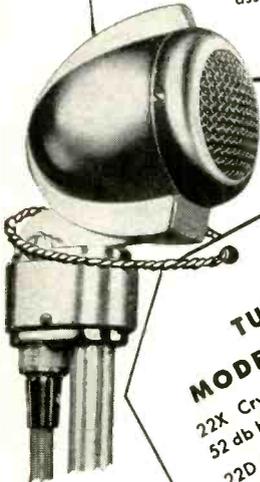
33X Crystal—50-9000 c.p.s.,
52 db below 1 volt/dyne/sq.cm.
33D Dynamic—30-9000 c.p.s.,
54 db below 1 volt/dyne/sq.cm.
at high impedance.

* "Like small size and neat appearance."
"Higher percentage of contacts."

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4 impedances at your fingertips
Response: 40—9000 c.p.s.
Level: 52 db below 1 volt/dyne/sq.cm. at high impedance.

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★ Star Miniature Socket Wiring Plugs for accurate alignment of miniature socket contacts during wiring. Precision cast of zinc base alloy—pins of stainless steel. #JE-9 (9 pin); #JE-10 (7 pin).



★ Star Miniature Tube Pin Straighteners (with stainless steel insert) to obtain a perfect fit when the tube is placed in the equipment. #JE-15 (9 pin); #JE-13 (7 pin).

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Immediate Delivery in Any Quantities

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147 CEDAR STREET, NEW YORK 6, N. Y.

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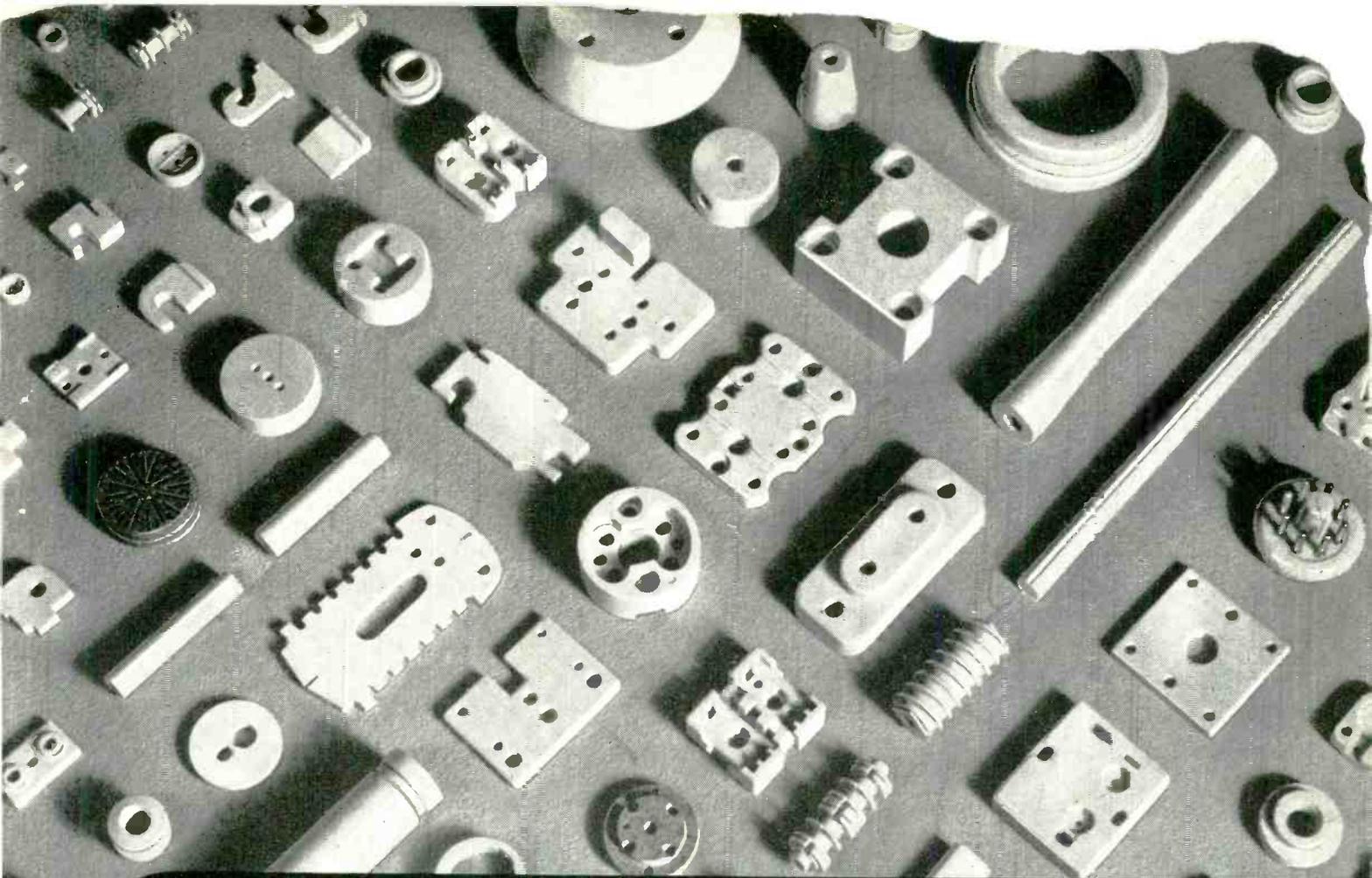
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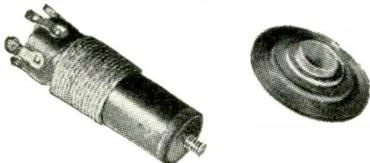
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A Wide Range of Winding Machines for a Wide Range of Coils

We invite you to visit our Coil Winding Demonstration Room to view any of these machines in operation.

"LATTICE-TYPE" COILS

Radio and Television



No. 84 Winding Machine

Model	Wire Range	Max. Dia.	Traverse	RPM	No. Coils at Once	HP	Floor Space
84	#19-42	5"	1/32"-1 1/2"	400-800	1, 2, 3 or 4	1/4	26" x 31"

"Gainer mechanism" and calibrated "strap-type" tensions insure accurate, uniform winding, also quick change-over. Simple design, rugged construction assure long life.

LAYER-WOUND COILS

Cotton-Interwoven or Non-Insulated



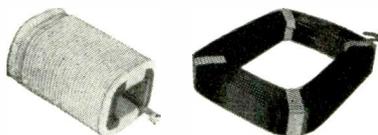
Nos. 96 and 103 Winding Machines

Model	Wire Range	Max. Dia.	Traverse	RPM	No. Coils at Once	HP	Floor Space
96	#19 to 42, 46	6"	1/16"-3 1/4"	500-1800	1 or 2	1/4	30" x 26"
103	#19-38, 46	7"	1/2"-8"	200-1200	1 or 2	1/2	40" x 36"

Wire and cotton mechanically guided. Automatic counter. Quick change-over. Adjustable for wide range of coil sizes.

GUTTER-WOUND COILS

for Heavy Duty



No. 98 Winding Machine

Model	Wire Range	Max. Dia.	Traverse	RPM	No. Coils at Once	HP	Floor Space
98	#8-20, 30	1 1/2"	1/4"-12"	35-135	1 or 2	3/4	4'9" x 3' 10"

Automatic guiding. Wire turns placed in grooves formed by preceding layers — for maximum density. Automatic stop at end of coil or end of each layer, as required.

SPOOL-WOUND COILS

No insulation between layers



No. 102 Winding Machine

Model	Wire Range	Max. Dia.	Traverse	RPM	No. Coils at Once	HP	Floor Space
102	#19-46	3 1/4"	1/16"-3"	500-2500	1 or 2 Per head	1/4	51" x 24" (3 heads)

1, 2, or 3 individually operated winding heads. Output is synchronized on basis of handling time per coil. Wire-layer length quickly adjusted. Automatic stop.

PAPER-INSULATED COILS

Round and Rectangular

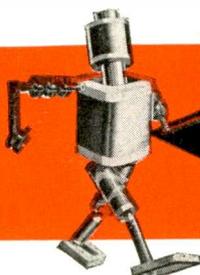


Nos. 104 and 105 Winding Machines

Model	Wire Range	Max. Dia.	Traverse	RPM	No. Coils at Once	HP	Floor Space
104	#19-42	4 1/2"	1/16"-5"	500-2500	3 to 14	1/2	48" x 35"
105	#19-40	4 1/2"	1/16"-5"	500-2500	10-28	1	76" x 36"

Coils wound in stick form — 3 to 14 on No. 104; 10 to 28 on No. 105. Sensitive "strap-type" tensions insure smooth flow of finest wires. Paper automatically inserted. Uniform overlap at all diameters. Adjustable traverse mechanism. Automatic stop. Rapid transfer of wire turns.

238. 8.



LEESONA

*REG. U. S. PAT. OFF

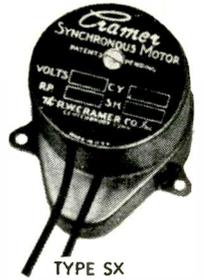
FOR WINDING COILS IN QUANTITY
ACCURATELY . . . AUTOMATICALLY
USE UNIVERSAL WINDING MACHINES



SELF-STARTING SYNCHRONOUS TIMING MOTOR

The Cramer Type SX Synchronous Motor is a permanent magnet type motor. By reason of careful design these motors are highly efficient and produce an exceptionally high torque for such small space and wattage

requirements. They are self-starting, run at slow speed . . . 240 RPM at 60 Cycle . . . and operate in any position. They will operate at synchronous speed only and will start in 2 cycles and stop within 1/25 seconds.

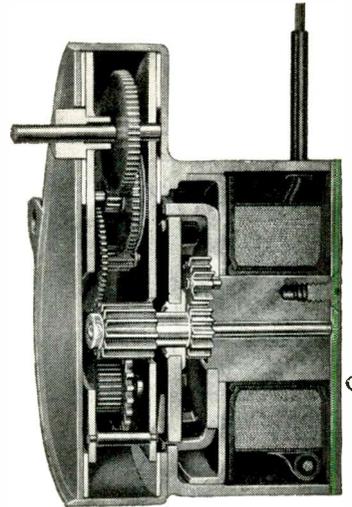


APPLICATIONS . . . Primarily intended for applications requiring constant speed at a given frequency, this motor is particularly suited for: Timing Devices — Recording Instruments — Communications Equipment — Traffic Controls — Advertising Displays — Clocks — Heating Controls — Signaling Systems.

IMPORTANT FEATURES . . . *Truly Synchronous:* A truly synchronous type utilizing a strong permanent magnet rotor which draws no energy from the A.C. field. Impossible for the motor either to overspeed or underspeed. *High Torque:* 30 inch ounces at 1 RPM, 60 Cycles. *High Efficiency:* At least 5 times greater than a hysteresis shaded pole type motor of equivalent dimensions. *Controlled Rotation:* An exclusive feature determines direction of rotation. Clockwise or counterclockwise motor can be supplied. *Speed:* 28 standard gear trains, ranging in

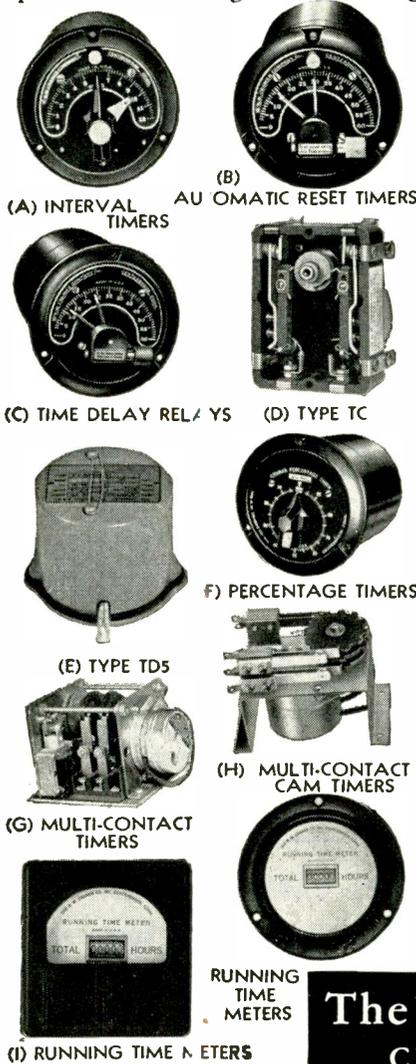
speeds from 60 RPM to 1 revolution in 24 hours are available. *Lubrication:* A special high grade lubricant is sealed within the housing containing the rotor gear train and provides adequate lubrication for many years of service. *Replaceable Coils:* Coils are easily removable thereby facilitating changes in the voltage rating or in field servicing. *One- or Two-Way Friction:* The latter permits the drive shaft to be turned in either direction independent of the gear train or motor.

CONSTRUCTION . . . Iron circuit of the motor provides a cup for the motor coil and serves as a base to which gear housing is assembled. A complete, interchangeable gear train with a substantial oversize bearing snugly fits into the gear housing. Two substantial lugs extending from the gear housing provide convenient mounting means. For complete details ask for Bulletin 10A.



(Actual Size)

CRAMER SYNCHRONOUS ELECTRIC TIMERS



(A) INTERVAL TIMERS . . . Manually set for each operation. Designed to automatically open or close a single circuit at the end of a definite time interval, or to automatically close one circuit and open second at end of a definite time interval. Ask for Bulletin 100F.

(B) AUTOMATIC RESET TIMERS . . . To close or open a circuit after an adjustable pre-set time and instantly return to the starting position ready to repeat this cycle of operation upon reclosure of the starting button. Ask for Bulletin 500B.

(C) TIME DELAY RELAYS (Type TEC) . . . Provides adjustable or fixed time delay between closing and opening of a load circuit. Has automatic re-set feature which restores timer to its normal starting position when control circuit fails or is de-energized. Also available with reverse clutch which prevents re-set in case of power failure. Ask for Bulletin 800D.

(D) TYPE TC . . . Inexpensive single and two pole time delay relay. Ask for Bulletin 900D.

(E) TYPE TD5 . . . One of many special types available with overtravel contacts to provide shock-resistance.

(F) PERCENTAGE TIMERS: Automatically controls the percentage of time at which circuit can be closed or opened out of a definite length of time. Distinctive feature: Utmost simplicity of design. Adjusted from the front, can be set from 5% to 97% of total cycle. Ask for Bulletin 2500C.

(G) MULTI-CONTACT TIMERS: Automatically controls a sequence of "on" and "off" operations of a single or multiple number of electrical circuits in accordance with a predetermined operating program. They can (1) repeat continuously, or (2) automatically stop after one complete operation. Ask for Bulletin 3000A.

(H) Simple Low Priced Single or Multi-Contact Cam Timers for built-in applications.

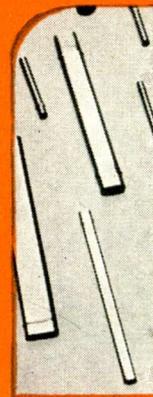
(I) RUNNING TIME METERS: Synchronous motor driven running time meters, automatically and cumulatively register the total operating time or idle time on any circuit, machine or system to which they are connected. Are available in table model also. Ask for Bulletin 3500B.

For Bulletins and complete data write to . . .

The R. W. CRAMER COMPANY, Inc.
CENTERBROOK CONNECTICUT

Superior

NICKEL ALLOY CATHODES



TYPES

Superior Tube Company is the World's leading manufacturer of nickel cathodes of the indirectly heated type for use with Barium-Strontium Oxide coatings in electron tubes, particularly receiving types. Such cathodes are available in Seamless, WELDRAWN*, and Lock-seam† form.

SEAMLESS cathodes are made from hot forged and pierced or extruded billets, subsequently cold drawn into tubing of the required diameter and wall thickness.

WELDRAWN* cathodes are produced from nickel alloy strip which is formed and welded into tubing, and subsequently cold drawn. The finishing operations are similar to those for seamless material.

LOCKSEAM† cathodes are produced directly from thin strip stock by our patented machines, developed especially for the purpose.

Cathode base metals have been classified by the American Society for Testing Materials as "Active", "Normal", and "Passive". This classification is based upon the relative amounts of thermionic emissivity which the base metal produces in combination with the oxide coatings.

"Active" alloys produce a higher level of DC emission. The International Nickel Company's (INCO) 225 and 224 analyses are generally used for this purpose. Driver-Harris Company's (D-H) 799 analysis is intended to be interchangeable with the INCO 224.

"Normal" nickel is most widely used for small, low current drain tubes where seamless cathodes are required. The INCO 220 analysis, a refinement of INCO Grade "A" nickel, is the standard alloy for this purpose.

"Passive" material is usually employed when freedom from grid emission is necessary. Such alloys have a low rate of free-Barium yield, so that emitting materials do not deposit upon the hot grid wires. Frequently the primary emission from such cathodes is slightly lower than from more active alloys. However, life is excellent. The standard nickel alloys for this purpose are D-H 499 and 999.

Another D-H alloy, No. 599, which is widely used, is apparently intermediate between the "Normal" and "Active" grades. Since the exact amount of emission obtainable from any alloy is dependent in large measure upon the coating and its processing, it is reportedly possible to obtain as good emission from 599 alloy as from 225 alloy.

D-H 699 alloy is high in Mg content and is the closest American parallel to the alloys frequently employed in Europe. It is not used to any great extent in the United States, due to the rapid sublimation of Mg which is a cause of electrical leakage and noise inside the tube.

In general, for freedom from grid emission but with slow speed of activation and a relatively low emission level, D-H 499 or 999 is suggested.

For normal emission, with rapid activation, INCO 220 is usually employed.

For rapid activation, plus high level of DC emission, INCO 225, INCO 224, or D-H 599 are most frequently used.

* Reg. U. S. Trade Mark, Superior Tube Co.
† Manufactured under U. S. Patents, S. T. Co.

SELECTION

Superior's cathode nickel sleeves are universally used as the base metal for indirectly heated cathodes to be coated with Barium-Strontium Oxides. The cathode base metal serves as a mechanical support for the emitting coating and as a means for transferring heat energy to the coating. When selecting a cathode base metal, consideration must be given to the proper balance between the various "performance characteristics" and the chemical analyses. The principal "performance characteristics" are the following:

1—Speed at Which a Cathode can be Activated. This is of prime commercial importance, and to a great extent is controlled by the quantity of un-compounded reducing agents present in the nickel alloy. Some of these agents are Mg, Si, Ti, and C. Where the greatest speed of activation is desired, the use of "Active" cathodes is recommended.

2—Rate of Sublimation of Volatile Minor Constituents. Cathode alloys are formulated and controlled to produce the least amount of volatile metallic materials. Therefore, cathode design, and operating and processing temperatures are extremely important in controlling the rate of sublimation. Certain elements, such as Mg, are quite volatile and for this reason, Mg content is generally limited.

3—Rate of Free-Barium Evolution. As noted above, a "Passive" cathode alloy is recommended where freedom from undesired grid emission is essential.

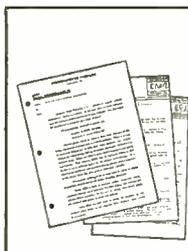
4—Impedance of Core-Coating Interface. Cathode alloys depending upon Mg and C as coating reducing agents are usually favored for VHF and pulsed applications. The impedance of the interface is believed by some to be due to the resistance and capacitive effects of compounds formed by reactions of free base metal reducing agents with coating materials. Alloys with large amounts of Cr, Ti, and Si are believed to produce undesirable blocking layers. A compromise balance between the several reducing elements is generally necessary.

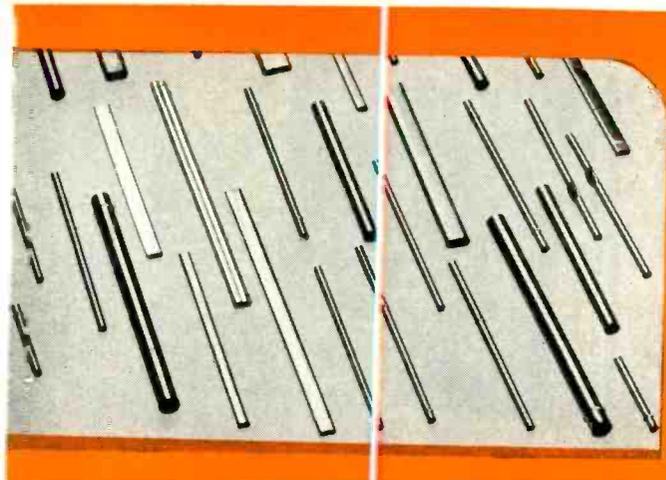
5—Effect of the Nickel Alloy upon Heater Cathode Leakage. This is of importance only when unusually low hum levels are required. There is some evidence that the "Passive" type of cathode is beneficial for this characteristic.

6—Effect of the Nickel Cathode Alloy upon Tube Life and Resistance of the Coating to Poisoning. This is the most complex cathode problem of all, since it is dependent upon a great number of coating and processing variables. Individual manufacturing techniques in the production of electron tubes determine the optimum choice of cathode material for this characteristic.

NICKEL CATHODE DATA for Electronic Designers & Engineers

Specification data sheets such as E.G.-1 on Methods of Testing Cathodes and E.M.-2 on Standard Tolerances will be sent upon request. You are invited to write for full information.





188,000 sq. ft.
Producing Metal Tubing
(.010" to 5/8" O.D. Max.)

Chemical Analyses of Nickel Alloys available in Cathodes from Superior Tube Co.

	% Cu	% Fe	% Mn	% C*	% Mg	% Si	% S	% Ti
*The carbon content of these alloys in the form of Lockseam sleeves averages 0.01% per 0.00 in. thickness while seamless tubing averages slightly higher.								
Active Alloy; Type Composition	0.20 max.	0.20 max.	0.20 max.	0.08 max.		0.05/ 0.25	0.008 max.	
GRADE 1 (224)	0.20 max.	0.20 max.	0.20 max.	0.08 max.	.01/ .10	0.12/ 0.20	0.008 max.	0.02 max.
2 (799)	0.04	0.05	0.05	0.08	.01/ .10	0.12/ 0.20	0.005 max.	0.02 max.
3 (225)	0.20 max.	0.20 max.	0.20 max.	0.08 max.		0.15/ 0.25	0.008 max.	
4 (599)	0.04 max.	0.05 0.10	0.10 max.	0.08 max.	.01 max.	0.15/ 0.25	0.005 max.	
5 (699)	.04 max.	0.05 0.10	0.10 max.	0.08 max.	0.05/ 0.15	0.05/ 0.15	0.005 max.	
6 (399)	0.04 max.	0.05 max.	0.02 max.	0.08 max.	0.01 max.	0.15/ 0.25	0.005 max.	
Normal Alloy; Type Composition	0.20 max.	0.20 max.	0.20 max.	0.08 max.	0.01/ 0.10	0.01/ 0.05	0.008 max.	
GRADE 11 (220)	0.20 max.	0.20 max.	0.20 max.	0.08 max.	0.01/ 0.10	0.01/ 0.05	0.008 Max.	
Passive Alloy; Type Composition	0.05 max.	0.05 max.	0.05 max.	0.05 max.	0.02 max.	0.02 max.	0.008 max.	0.01 max.
GRADE 21 (499)	0.04 max.	0.05 max.	0.02 max.	0.05 max.	0.01 max.	0.01 max.	0.005 max.	
22 (999)	0.04 max.	0.15 max.	0.02 max.	0.05 max.	0.01 max.	0.01 max.	0.005 max.	

Note—The melting, processing and application of some material melted to Grade 1 composition limits may be limited by U. S. Patents.

Availability of Nickel Alloys in Cathode Form at SUPERIOR

Alloy	Activity Classification	Availability			
		Seamless	Weldrawn	Lockseam	Disc Cathode Caps
499	Passive	X		X	XX
999	Passive	XX		XX	XX
220	Normal	X		XX	XX
224	Active	XX	XX	XX	XX
225	Active	XX	X	X	XX
399	Active		XX	X	XX
599	Active		X	X	X
699	Active		X	XX	XX
799	Active			XX	X

Note: X= Carried regularly in stock
XX= Available on special order only

SUPERIOR CONTROLS FOR QUALITY

The melters, fabricators, and re-rollers of cathode nickel stock cooperate with the Superior Tube Company in controlling the quality of the material to a degree. Superior's laboratories check the chemical and metallurgical properties of each lot of metal. Most melts are checked for emission and some other "performance characteristics" through tests in diode tubes in our own Electronics Laboratory. Corroborative tests are conducted by our major customers. During processing every effort is made to maintain surface cleanliness through the use of lubricants free from sulphur and chlorides. All cathode tubing is carefully cleaned before each annealing operation. Furthermore, the draw bench tables are covered with plastic to avoid surface iron pick-up, and many other unusual precautions are taken against contamination of Superior's wide variety of cathodes.

Designations of Comparable Nickel Cathode Alloys

Grade & Alloy:	Melters Designations		Equivalent Designations
	INCO	D-H	
Passive Normal	—	499 & 999	N81
Active	220		N18
Active	224	799	N34
Active	225	699*	
		599	
		399	

The Superior Tube Company employs the melters' alloy designations.

*This alloy is the closest U. S. Equivalent to British "O" nickel and German "C" nickel commonly in use in Europe.



Export Representatives
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Harrison, New Jersey
and affiliated
European Companies.

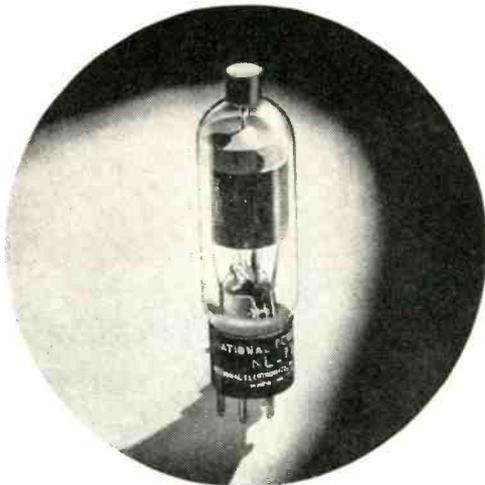


2504 Germantown Ave. • Norristown, Pennsylvania

QUICK HEATING INDUSTRIAL TUBES

THYRATRONS

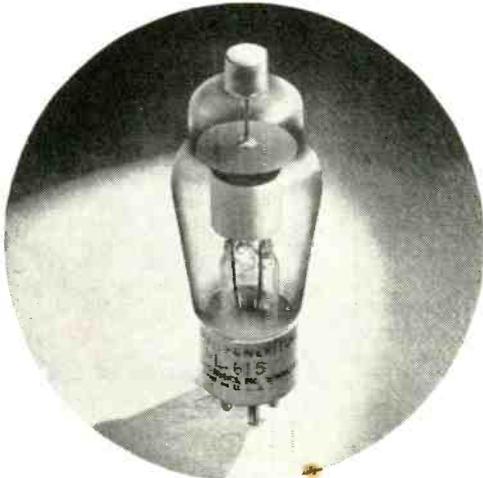
.5
To
4.0
Amps.
dc



1000
To
10,000
Volts
Peak

RECTIFIERS

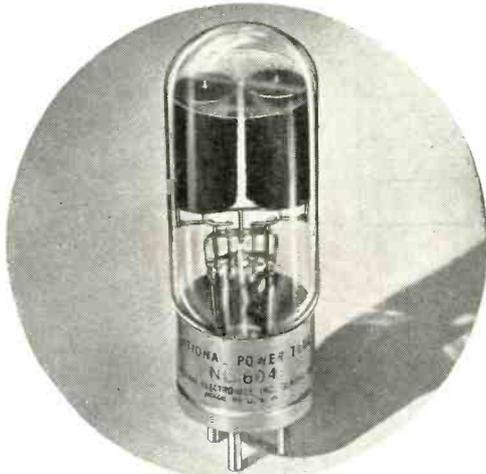
2.0
To
20
Amps.
dc



500
To
2000
Volts
Peak

FULL-WAVE RECTIFIERS

1.0
To
2.5
Amps.
dc



900
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NATIONAL ELECTRONICS INC. GENEVA, ILL.

HOTFOOT IN HADES



2100° F with JELLIFF RESISTANCE WIRE

FOR RELIABLE HEATING ELEMENTS and RESISTORS

Even the devil himself could not withstand the extreme temperatures to which Jelliff resistance wires are subjected. Constant research, application study and controlled production assure you fine quality products of superior performance and long life.

Jelliff resistance alloys are used extensively for industrial, radio and electronic equipment; domestic appliances; instruments; transportation apparatus and materials handling equipment.



For specific engineering data applying to your problem, refer to the new and complete 56 page Jelliff Resistance Alloys Catalog.

Write Dept. 208 for Catalog No. 46

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MANUFACTURING
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SOUTHPORT, CONN.

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MULTIPLANE MOUNTINGS—

isolate vibration from all directions. Light in weight, small in size, they are widely used to mount electronic units.



PLATE FORM MOUNTINGS—

Standard— isolate steady vibration. Stable, compact— easily installed. Loads $\frac{1}{2}$ to 120 pounds per mount.



PLATE FORM VERTICAL SNUBBING MOUNTINGS—

isolate steady vibration plus severe shock. Loads up to 510 pounds per mount.



METER MOUNTINGS—

protect small meters and instruments from destructive vibration. One piece construction, easily installed... many sizes for most commonly used models.



CHAN-L-MOUNTS—

Ready to use—easy to install. Isolate steady vibration and occasional shock. Extremely soft and sturdy, they give superior isolation.



SHOCKMOUNTS—

absorb shock energy emanating from punch presses, looms, printing presses, etc. Neoprene is bonded to $\frac{3}{16}$ " steel. Load ratings up to 7500 pounds per mount.



TUBE FORM MOUNTINGS—

Standard—for steady vibration and severe shock. Have great radial stability. Loads from $\frac{1}{2}$ to several thousand pounds.



TUBE FORM VERTICAL SNUBBING MOUNTINGS—

isolate steady vibration... cushion shock. Good for mobile equipment.



F.H.P. FLEXIBLE COUPLINGS—

have exceptional torsional flexibility... accommodate parallel and angular misalignment. Ratings from 1 fiftieth to 1 hp.



M.H.P. FLEXIBLE COUPLINGS—

deflect under torsional load... isolate torsional vibration. Removable flexing elements allow couplings to be installed without moving shaft. Ratings up to 100 hp 1750 RPM.

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Increased sales, improved product performance, and lengthened product life are the result when destructive vibration is isolated. Let Lord analyze your product and make recommendations for potential improvement.

The Lord rubber-to-metal bonding processes, utilized in vibration control mountings, have naturally led to many other advantageous applications. Indicative of the wide range of practical uses are such mechanical components as friction drive wheels, valve seats, bearing seats, and other custom made parts.

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Special Purpose Equipment

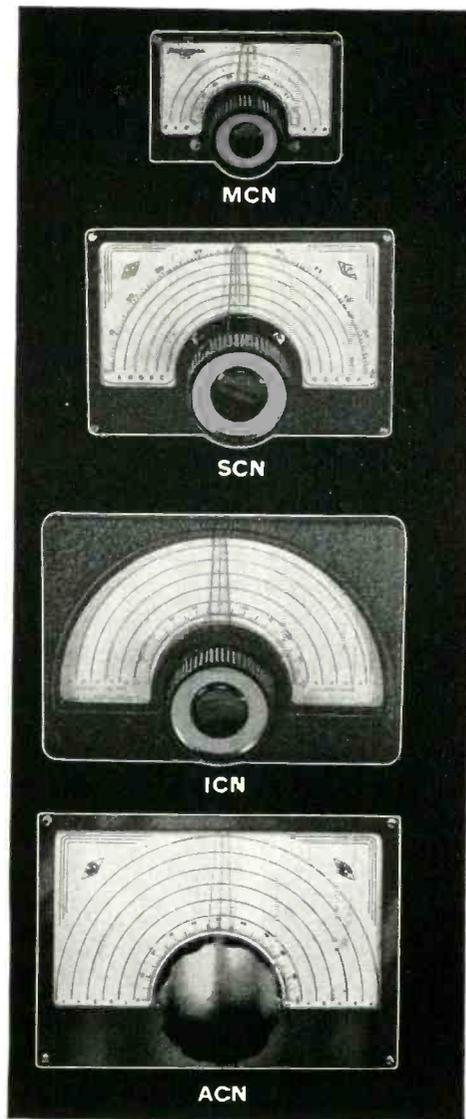
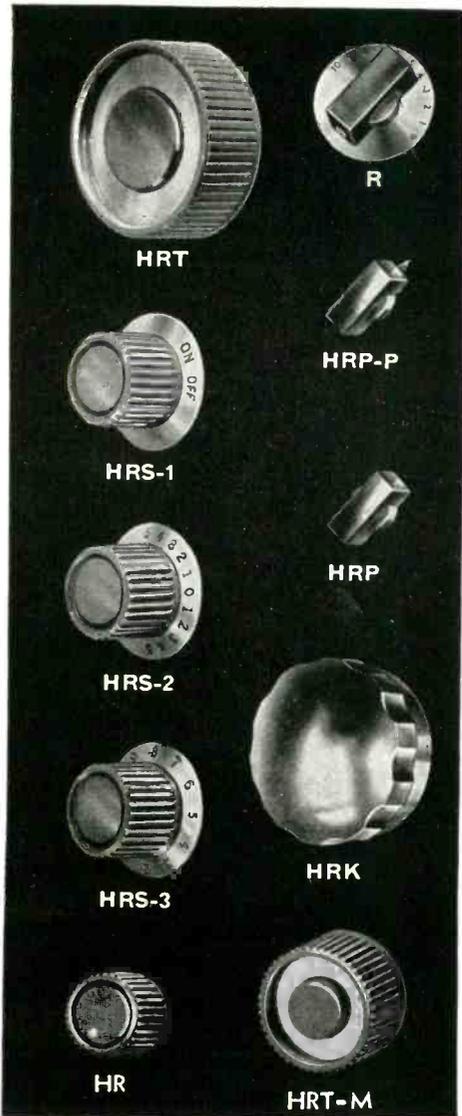


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DIAL SCALES

Scale	Divisions	Rotation	Direction of Condenser Rotation for Increase of dial reading
1	0-100-0	180°	Either
0	0-100	180°	Counter Clockwise
0	100-0	180°	Clockwise
0	150-0	270°	Clockwise
0	200-0	360°	Clockwise
0	0-150	270°	Counter Clockwise

TERMINALS
COILS
COIL FORMS
TUNING CONDENSERS
CHOKES
COUPLINGS

DIALS and
DIALDRIVES
KNOBS
MECHANISMS
SOCKETS
INSULATORS
SHIELDS

TRANSFORMERS
CABINETS
RECEIVERS
TELEVISION
TELEVISION KITS
GRID GRIPS

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MALDEN, MASS.



XLA



XLA-S



XLA-C



XCA



XMA



XOA-7 (Axial)
XOA-C-7



XOR-7 (Radial)
XOR-C-7



XOA-C-9

TERMINALS
COILS
COIL FORMS
TUNING CONDENSERS
CHOKES
COUPLINGS



CIR-5



CIR-8



CIR-8E



XC-5



XC-8



HX-29



XM-10



HX-100S

DIALS and
DIALDRIVES
KNOBS
MECHANISMS
SOCKETS
INSULATORS
SHIELDS



SPP-9



SPP-3



12



24



8

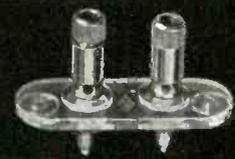


ACD-1

ACD-2

RIGHT ANGLE
DRIVES

TRANSFORMERS
CABINETS
RECEIVERS
TELEVISION
TELEVISION KITS
GRID GRIPS



FWG



FWH



FWJ



FWF



FWA



FWE



FWC



FWB



XP-6



XS-6



TPB



XS-7



XS-8



XS-1



XS-2

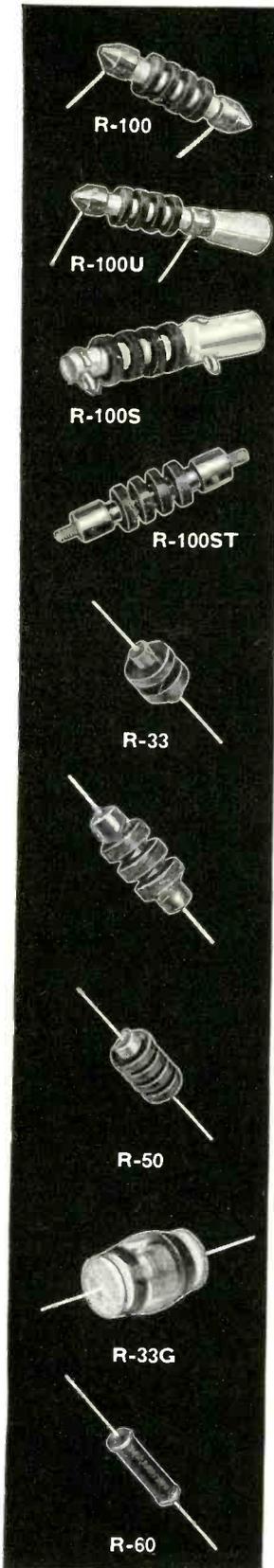
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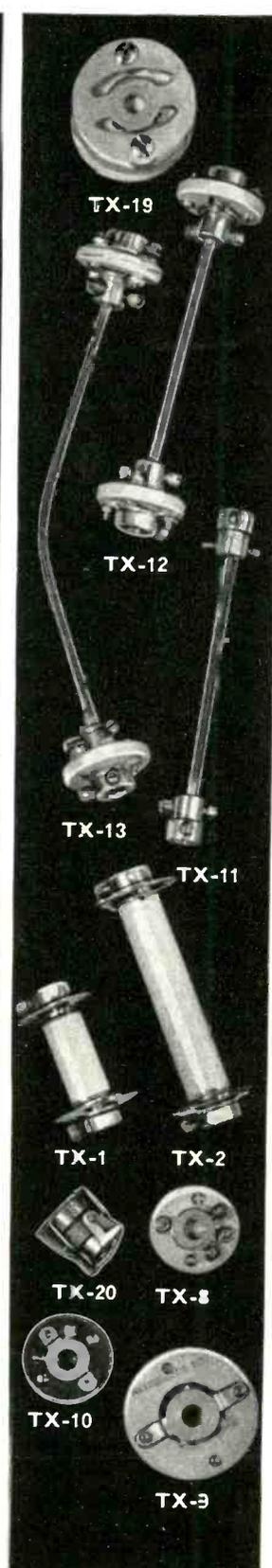
TERMINALS
 COILS
 COIL FORMS
 TUNING CONDENSERS
 CHOKES
 COUPLINGS



DIALS and
 DIALDRIVES
 KNOBS
 MECHANISMS
 SOCKETS
 INSULATORS
 SHIELDS



TRANSFORMERS
 CABINETS
 RECEIVERS
 TELEVISION
 TELEVISION KITS
 GRID GRIPS

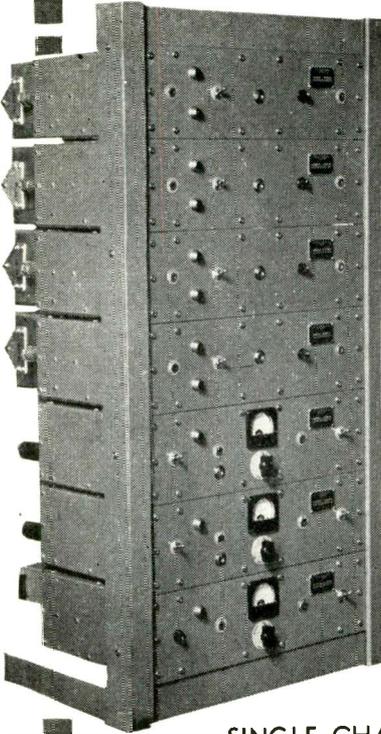


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FSDR

FREQUENCY SHIFT DIVERSITY RECEIVING EQUIPMENT

The National FSDR equipment has been designed to incorporate all the latest advances in automatic radio telegraphy. It is made expressly for use by communication companies, government services, shipping companies, airports, and others requiring the latest, most efficient equipment for receiving radio signals and converting them into electrical impulses which, in turn, key automatic terminal equipment. The National FSDR is now extensively used by the far-flung network of the Tropical Radio Telegraph Company and the Civil Aeronautics administration and similar departments of other countries. All report excellent results. The FSDR equipment consists of an FSR Receiver, FSL Limiter, and an FSK Keyer. Use of multiple FSRs and FSLs makes possible space diversity, frequency diversity, or both. Operation is extremely simple requiring only throwing of AC power switches. All units have a self-contained power supply designed to operate from 115 to 230 volts, 50/60 cycle supplies. Our engineers will be glad to recommend specific installations to suit your requirements.

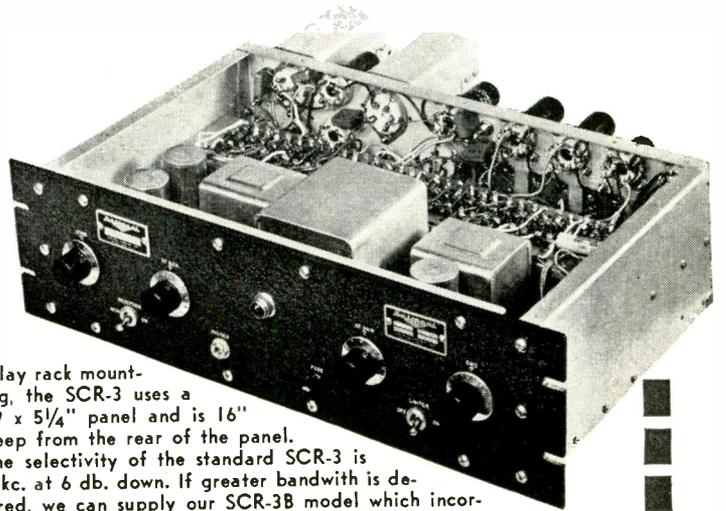


SCR-3

SINGLE CHANNEL RECEIVER

The SCR-3 is a single-channel superheterodyne receiver with a self-contained power supply which may be operated from either 115 or 230 volts 50/60 cycle AC supplies. It is designed to operate on frequencies from 1.8—25 mcs. Two tuned R. F. stages insure a favorable signal-to-image ratio varying from approximately 55 db at 25 mc. to 90 db at 1800 kc. Pre-tuned R. F. circuits, a crystal-controlled oscillator, carrier operated noise suppression (C.O.N.S.), and automatic volume control allow the operator to devote his full time to message handling. For C. W. reception a special low-drift voltage regulated oscillator assures proper tuning over long periods of time. Designed for standard

relay rack mounting, the SCR-3 uses a 19 x 5 1/4" panel and is 16" deep from the rear of the panel. The selectivity of the standard SCR-3 is 4 kc. at 6 db. down. If greater bandwidth is desired, we can supply our SCR-3B model which incorporates a variable I. F. having sharp, medium, and broad positions ranging from 4 to 8 kc. at 6 db down. The crystal-controlled oscillator employs an oven-type or standard crystal dependent upon the severity of operating conditions. The SCR-3 Receiver is fungus-proofed to retard the harmful effects of humidity characteristic of tropical climate.



NAC

NATIONAL VHF RECEIVER

The NAC Receiver has been designed to satisfy the needs of airlines, small private airports, and other interests requiring a compact tunable VHF rack mounted receiver. The NAC is a superheterodyne, superregenerative receiver utilizing a self-contained speaker. The receiver can be used separately or as a converter with any conventional superheterodyne tuning to 10.7 mcs. This, in addition to offering increased sensitivity, makes all features of the associated receiver usable on VHF. The standard model covers frequencies from 112-153 mcs. However, coil ranges covering specific frequencies between 27 and 250 mcs. are available on special order. The NAC operates from a National SPU-5886 power supply which is designed for 115/230 volt, 50/60 cycle supplies. If portable operation is desired, either the National 686S vibrator power unit (6 volt) can be supplied or a standard 6-volt battery and B batteries supplying 135 to 180 volts may be used.



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Export Department
invites foreign inquiries



**Type 557
Ceramic
Trimmer**



1.5-7 MMF
3-12 MMF
5-25 MMF
5-30 MMF
8-50 MMF

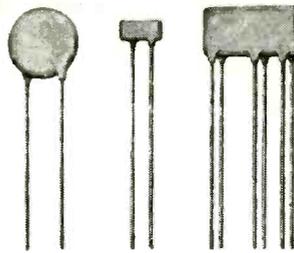
**Type 554
Ceramic
Trimmer**



**Type 531 and 532
Tubular Trimmers**
0.5-5 MMF
1-8 MMF



Type TS2A Ceramic Trimmer
1.5-7 MMF 3-13 MMF 4-30 MMF
3-12 MMF 5-20 MMF 7-45 MMF



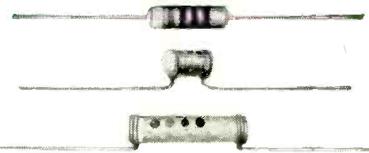
Erie Disc Ceramicon
Up to .01 MFD



**Temperature Compensating
Molded Insulated Ceramicon***
0.5 MMF—550 MMF
**Temperature Compensating
Dipped Insulated Ceramicon**
0.5 MMF—1,770 MMF
**Temperature Compensating
Non-Insulated Ceramicon**
0.5 MMF—1,770 MMF



Button Mica Condensers
15 MMF—6,000 MMF



Erie "GP" Molded Insulated Ceramicon
5 MMF—5,000 MMF
Erie "GP" Dipped Insulated Ceramicon
5 MMF—10,000 MMF
Erie "GP" Non-Insulated Ceramicon
5 MMF—10,000 MMF



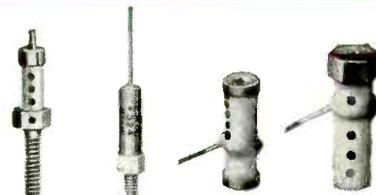
**Cinch-Erie Plexicon*
Tube Sockets with 1,000 MMF
built in by-pass condensers**



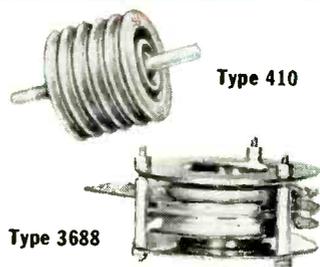
Type 357
Type 362
Feed-Thru Ceramics
5 MMF—1,000 MMF
5 MMF—1,500 MMF



**Types L-4, L-7, S-5 Suppressors
for Spark Plugs and Distributors**



Type 720A
Types 323 and 324 Insulated
Type 232
Type 2336
Erie Stand-Off Ceramics
5 MMF—5,000 MMF



Type 410
Type 3688
**High Voltage Double Cup
and plate Condensers**
Up to 15,000 VOLTS
WORKING



**Custom Injection Molded
Plastic Knobs, Dials,
Bezels, Name Plates,
Coilforms, etc.**

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*Ceramic, HiK, GP, Button and Plexicon are registered trade names of Erie Resistor Corporation.

Electronics Division

ERIE RESISTOR CORP., ERIE, PA.
LONDON, ENGLAND TORONTO, CANADA



Laboratory Standards

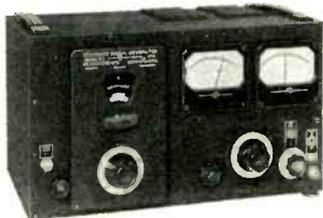
FOR PRECISION MEASUREMENTS
5 CYCLES TO



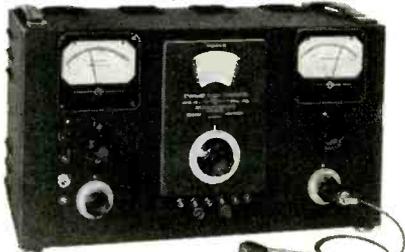
IN THE FREQUENCY RANGE OF
1000 MEGACYCLES



MODEL 59 MEGACYCLE METER
2.2 to 400 megacycles in seven coil ranges



MODEL 80 STANDARD SIGNAL GENERATOR
2 to 400 megacycles, AM and Pulse Modulation



MODEL 65-B STANDARD SIGNAL GENERATOR
75 to 30,000 kilocycles M.O.P.A., 100% Modulation



MODEL 82 STANDARD SIGNAL GENERATOR
20 cycles to 50 megacycles, AM



MODEL 62 VACUUM TUBE VOLT METER
0 to 100 volts AC, DC and RF



MODEL 84 U.H.F. STANDARD SIGNAL GENERATOR
300 to 1000 megacycles, AM and Pulse Modulation



MODEL 78-FM STANDARD SIGNAL GENERATOR
86 to 108 megacycles, 0 to 300 KC. deviation



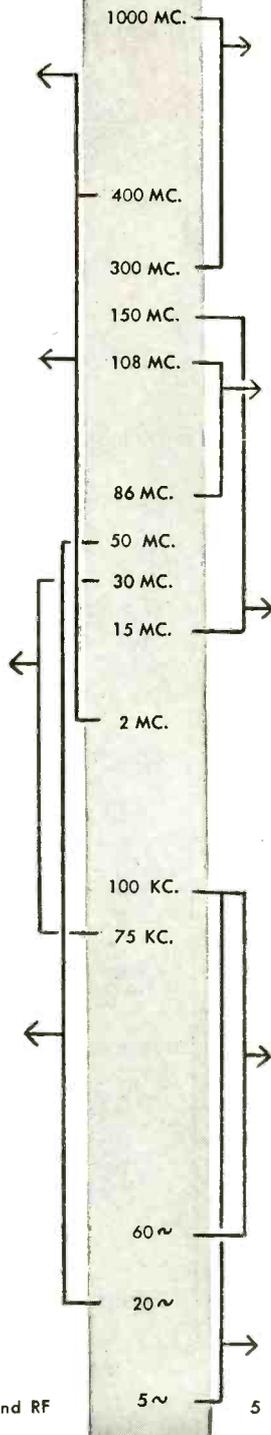
MODEL 58 U.H.F. RADIO NOISE AND FIELD STRENGTH METER 15 to 150 megacycles



MODEL 79-B PULSE GENERATOR
60 to 100,000 cycles 0.5 to 40 microsecond pulse width



MODEL 71 SQUARE WAVE GENERATOR
5 to 100,000 cycles



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Precision Bobbins make insulation strips unnecessary—allow closer windings, stronger magnetic fields. Cores can be any shape or length. Flanges die cut any size, shape, with combinations of slots or holes for terminal wiring. Embossed or recessed type to fit any mounting. Bobbin completely impregnated to form a seal between core and flange.

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Spiral wound and heat treated for greatest strength. Most efficient insulation—lowest moisture absorption—lightest coil base made. Available in any ID, OD, thickness, or length. Round, rectangular, oval or square. DI-FORMED TUBES. No extra cost. Eliminates forming after winding. Permits automatic stacking. Saves wire.

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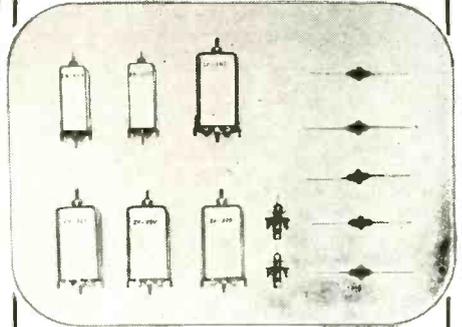
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- Video Peaking Coils
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Coils and Transformers from stock or to specification

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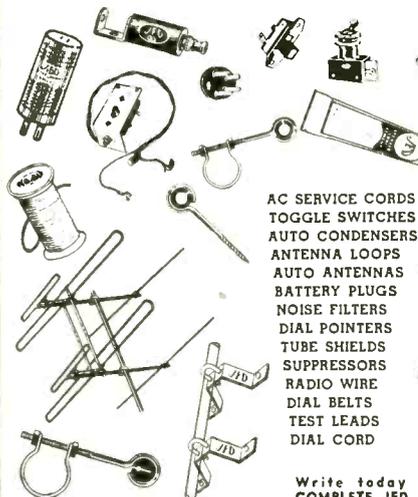


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Quality-built to the most exacting mechanical and electrical standards

IN-RES-CO wire wound resistors offer the circuit designer a new opportunity to meet increasingly critical requirements without excessive cost rise. The IN-RES-CO line is complete—resistance ranges from .01 ohm to several megohms; power ratings from a fraction of a watt to 10 watts. Special units are included for counteracting high humidity, fungus, space limitations, temperature rise, etc. Units can be supplied either inductive or non-inductive, wound with Nichrome, Manganin or 331 Alloy. Your copy of the IN-RES-CO catalog will be sent promptly on request on company letterhead.

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A new line of precision resistors, featuring smaller size, lowest cost. No larger than molded resistors, standard tolerance is $\pm 1\%$. Stand rough usage and are conservatively rated.

Type IR resistors are wound on bakelite forms, are moisture and fungus proofed, wound with enameled wire for permanent characteristics.

IRN TYPES (Non-Inductive)

Same specifications as code letters at right except have suffix "N" and maximum resistance is half of each IR type.

IR TYPES (Inductive)					
Type	Max. Res.*	Max. Watts	Body Dia.	Body Length	Leads
IR 107	1200	1/8	7/64"	3/8"	.025x1-1/2
IR 125	2500	1/4	1/8	1/2	.025x1-1/2
IR 156	3500	1/2	5/32	1/2	.028x1-1/2
IR 187	6000	1	3/16	3/4	.028x1-1/2
IR 218	8000	1	7/32	1	.035x1-1/2
IR 250	12000	2	1/4	1	.035x1-1/2
IR 375	28000	5	3/8	1-1/2	.040x1-1/2

*Using .00135" diameter wire. Higher values available in finer sizes of wire.

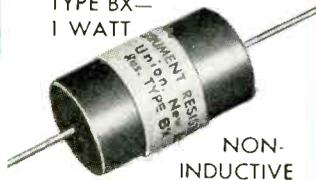
TYPE P-2 1/2 WATT



TYPE P-4 1 WATT



TYPE BX— 1 WATT



MAX RESISTANCE
331 ALLOY 1.5 Megohm
NICHROME 1.0 Megohm
MANGANIN 30,000 ohm

BODY SIZE
1/16" dia. 1" long
TOLERANCES
Standard—1%
SPECIAL—TO 1/10%

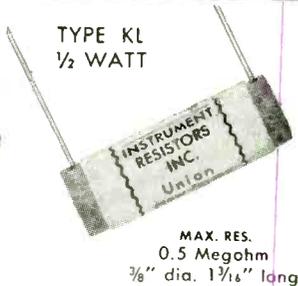
TYPE CX—1/2 WATT NON-INDUCTIVE



MAX. RESISTANCE
331 ALLOY 750,000 ohms
NICHROME 500,000 ohms
MANGANIN 15,000 ohms

BODY SIZE
1/16" dia. 3/8" long
TOLERANCES
Standard—1%
SPECIAL—TO 1/10%

TYPE KL 1/2 WATT



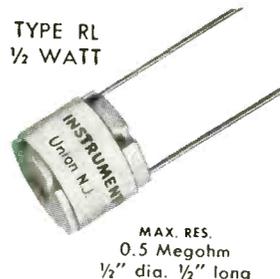
TYPE LL 1/4 WATT



TYPE SL 1 WATT



TYPE RL 1/2 WATT



INSTRUMENT RESISTORS COMPANY
1056 COMMERCE AVENUE • UNION • NEW JERSEY

VARIACS for Smooth VOLTAGE CONTROL

THE VARIAC* — the *original* continuously-adjustable autotransformer — is the ideal device for controlling any a-c operated equipment. VARIACS not only supply substantially stepless control of voltage from zero, but in addition furnish output voltages 17% above line voltage.

The VARIAC has many advantages over any other manually operated control for alternating current use. Among its more important features are:

- ★ **GOOD REGULATION** — Output voltages are substantially independent of load.
- ★ **SMOOTH CONTROL** — The VARIAC can be set to any predetermined output voltage in increments of about $\frac{1}{4}$ volt.
- ★ **HIGH EFFICIENCY** — Very low losses at both no load and at full power.
- ★ **SMALL SIZE** — VARIACS are smaller than any other type of control of equal power rating.
- ★ **LINEAR OUTPUT VOLTAGE** — Output voltages are continuously adjustable from zero to 17% above input voltage by a 320 degree rotation of the knob. Dials are calibrated to read directly in output voltage at rated line voltage.
- ★ **OUTPUT VOLTAGES** — All single unit VARIACS are supplied with reversible, direct-reading dials showing output voltages from zero to 17% above line voltage. Both sides are calibrated for clockwise rotation; one side for dial rotation, the other for use with a pointer and panel mounting.
- ★ **MODERATE TEMPERATURE RISE** — Less than 50 deg. C. for continuous duty.

GENERAL SPECIFICATIONS

In the table, shown on the page at the right, the following terms apply for use on 50-60 cycle input:

KVA — at *rated* line voltage only; at other output voltages, the KVA rating will be less than is shown. Any unit will handle at lower voltages a constant impedance (resistive) load which draws rated KVA at line voltage.

INPUT VOLTAGE — The voltage that should be applied to the input terminals to obtain the range of output voltages shown in the table.

OUTPUT VOLTAGE — The range of voltage obtained at the output terminals by turning the knob.

RATED AMPERES — The current that can be obtained safely at *all* positions of the dial.

MAXIMUM AMPERES — The current that can be obtained safely at *rated* line voltage (115 or 230 volts) over 0 to 20 and 85-115 or 0-40 and 170-230 on the dial.

CASE — The case letter description (see illustrations) is as follows:

- CASE A: Panel mounting, terminals exposed.
- CASE B: Protective case around windings, terminals exposed.
- CASE C: Mounted, with terminal cover, convenience outlet, switch and line cord.
- CASE D: Protective case, terminal cover, BX outlets.
- CASE E: Protective case around terminals, $1\frac{1}{4}$ " threaded hole for pipe.
- CASE F: 3-gang, top unit similar to B, others no case; 2-gang, both units inside mounting, no case around windings.
- CASE G: Same as above.
- CASE H: Top unit similar to E, others no case around windings.
- CASE I: 3-gang, top unit similar to D, others no case but terminal cover with BX outlets; 2-gang both units inside mounting, no case but terminal cover with BX outlets.

DIALS SUPPLIED — ALL VARIACS are supplied with a dial reading from 0 to 135 or 0 to 270 volts (for 115- or 230-volt input). If requested, dials reading from 0 to 115 or 0 to 230 volts will be supplied.

GENERAL RADIO COMPANY

275 Massachusetts Avenue
Cambridge 39, Massachusetts



TYPE 200-B
(Case A)

TYPE V-5
(Case A)

TYPE V-5M
(Case B)



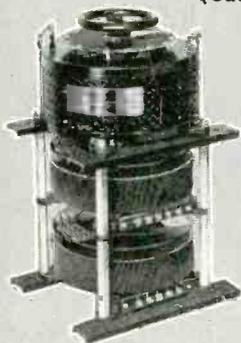
TYPE V-10HMT
(Case C)



TYPE V-20
(Case D)



TYPE 50-B
(Case E)



TYPE 50-BG3
(Case H)



TYPE V-5G3
(Case G)



TYPE V-10G2
(Case F)



TYPE V-20G3
(Case I)

*The trade name VARIAC is registered at U. S. Pat. Off. VARIACS are patented under U. S. Pat. No. 2,009,013.

THIS TABLE SHOWS THE WIDE VARIETY OF VARIACS

INPUT VOLTS	OUTPUT				TYPE	PRICE	CASE	DESCRIPTION
	KVA*	VOLTS	RATED AMPS.	MAX. AMPS.				
SINGLE PHASE 115	.170	0—115 0—135	1.0	1.5	200-B	\$12.50	A	Single Unit
115	.862	0—115 0—135	5.0	7.5	V-5 V-5M V-5MT	18.50 20.50 25.00	A B C	Single Unit Single Unit Single Unit
115	1.72	0—115 0—135	10.0	15.0	V-10 V-10M V-10MT	33.00 35.50 40.00	A B C	Single Unit Single Unit Single Unit
115	3.45	0—115 0—135	20.0	30.0	V-20	55.00	D	Single Unit
115	5.17	0—115 0—135	40.0	45.0	50-A	140.00	E	Single Unit
115	6.9	0—115 0—135	40.0	60.0	V-20G2	126.00	I	2-Gang. Windings in parallel. Requires 1 P-1 Choke — \$10 additional
115	10.35	0—115 0—135	80.0	90.0	50-AG2	310.00	H	2-Gang. Windings in parallel. Requires 1 P-1 Choke — \$10 additional
115	10.35	0—115 0—135	60.0	90.0	V-20G3	182.00	I	3-Gang. Windings in parallel. Requires 1 P-1 Choke (\$10) and 1 P-2 Choke (\$12) additional
115	15.52	0—115 0—135	120.0	135.0	50-AG3	460.00	H	3-Gang. Windings in parallel. Requires 1 P-1 Choke (\$10) and 1 P-2 Choke (\$12) additional
230 (115)	.575	0—230 0—270 (0—200) (0—270)	2.0 (1.0)	2.5 (2.5)	V-5H V-5HM V-5HMT	21.00 23.00 27.50	A B C	Single Unit Single Unit Single Unit
230 (115)	1.15	0—230 0—270 (0—200) (0—270)	4.0 (2.0)	5.0 (5.0)	V-10H V-10HM V-10HMT	34.00 36.50 41.00	A B C	Single Unit Single Unit Single Unit
230 (115)	1.72	0—230 0—270 (0—200) (0—270)	5.0 (2.5)	7.5 (7.5)	V-5G2	49.00	G	2-Gang. Windings in series. Cannot be used with grounded load
230 (115)	2.30	0—230 0—270 (0—200) (0—270)	8.0 (4.0)	10.0 (10.0)	V-20HM	55.00	D	Single Unit
230 (115)	3.45	0—230 0—270 (0—200) (0—270)	10.0 (5.0)	15.0 (15.0)	V-10G2	79.00	F	2-Gang. Windings in series. Cannot be used with grounded load
230 (115)	4.60	0—230 0—270 (0—200) (0—270)	16.0 (8.0)	20.0 (20.0)	V-20HG2	126.00	I	2-Gang. Windings in parallel. Requires 1 P-1 Choke — \$10 additional
230 (115)	6.90	0—230 0—270 (0—200) (0—270)	20.0 (10.0)	30.0 (30.0)	V-20G2	126.00	I	2-Gang. Windings in series. Cannot be used with grounded load
230 (115)	7.13	0—230 0—270 (0—230)	20.0 (10.0)	31.0 (31.0)	50-B	140.00	E	Single Unit
230 (115)	14.26	0—230 0—270 (0—230)	40.0 (20.0)	62.0 (62.0)	50-BG2	310.00	H	2-Gang. Windings in parallel. Requires 1 P-1 Choke — \$10 additional
230 (115)	21.39	0—230 0—270 (0—230)	60.0 (30.0)	93.0 (93.0)	50-BG3	460.00	H	3-Gang. Windings in parallel. Requires additional 1 P-1 Choke (\$10) and 1 P-2 Choke (\$12)
THREE PHASE 115	1.5	0—115 0—135	5.0	7.5	V-5G2	49.00	G	2-Gang. Open Delta
115	3.0	0—115 0—135	10.0	15.0	V-10G2	79.00	F	2-Gang. Open Delta
115	6.0	0—115 0—135	20.0	30.0	V-20G2	126.00	I	2-Gang. Open Delta
115	9.0	0—115 0—135	40.0	45.0	50-AG2	310.00	H	2-Gang. Open Delta
230 (115)	1.0	0—230 0—270 (0—200) (0—270)	2.0 (1.0)	2.5 (2.5)	V-5HG2	54.00	G	2-Gang. Open Delta
230 (115)	2.0	0—230 0—270 (0—200) (0—270)	4.0 (2.0)	5.0 (5.0)	V-10HG2	81.00	F	2-Gang. Open Delta
230	3.0	0—230	5.0	7.5	V-5G3	68.50	G	3-Gang. Wye
230 (115)	4.0	0—230 0—270 (0—200) (0—270)	8.0 (4.0)	10.0 (10.0)	V-20HG2	126.00	I	2-Gang. Open Delta
230	6.0	0—230	10.0	15.0	V-10G3	113.00	F	3-Gang. Wye
230	12.0	0—230	20.0	30.0	V-20G3	182.00	I	3-Gang. Wye
230 (115)	12.35	0—230 0—270 (0—230)	20.0 (10.0)	31.0 (31.0)	50-BG2	310.00	H	2-Gang. Open Delta
230	18.0	0—230 0—270	40.0	45.0	50-AG3	460.00	H	3-Gang. Wye
460	2.0	0—460	2.0	2.5	V-5HG3	76.00	G	3-Gang. Wye
460	4.0	0—460	4.0	5.0	V-10HG3	116.00	F	3-Gang. Wye
460	8.0	0—460	8.0	10.0	V-20HG3	182.00	I	3-Gang. Wye
460	24.7	0—460	20.0	31.0	50-BG3	460.00	H	3-Gang. Wye

* KVA, in this column, is at rated line voltage. At other output voltages, the KVA rating is less than shown.

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Modulation and Plate Transformers and Reactors—available in matched units for every size of transmitter.



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NATVAR FLEXIBLE ELECTRICAL INSULATING MATERIALS

STANDARDS Natvar insulations have excellent electrical and physical properties, and meet the requirements of ASTM, NEMA, and other applicable standards with ease. These industry standards for such properties as dielectric strength, tensile strength, heat and oil resistance, as determined by specified test procedure, protect the buyer against inferior materials. At the same time, they provide the buyer with a valid basis for comparison which should enable him to buy quality materials best suited to his needs. Full test reports on Natvar insulations are available on request.

PERFORMANCE Performance is the prime consideration in the manufacture of Natvar insulations. New materials and new methods are constantly being studied and developed to provide improved performance under service conditions. As an example, Natvar 400 extruded vinyl tubing, accepted for its high heat resistance (approved for 105°C) is also outstanding in its resistance to oil, and shows no tendency toward embrittlement when immersed in hot oil for prolonged periods. From the standpoint of performance this is important, because it means that leads insulated and protected with Natvar 400 stay flexible after varnish baking.

UNIFORMITY Natvar insulations give extra protection because of their exceptional uniformity. This uniformity also means that Natvar insulations can be depended upon to be the same, no matter when or where the order is placed.

CONTROL Raw materials, fabrics and papers are laboratory checked against our specifications. Materials in process are subject to constant laboratory control. Both plant and equipment are modern. Natvar insulations are made by experienced production men.

SERVICE Shipments of Natvar standard insulations are usually made on the same day the order is received either from distributors' stock or direct. Orders for special insulations are handled promptly. For problems where special insulations are required to meet unusual conditions, engineering service is available, without obligation. To expedite shipment, give complete detail with each order.

VARNISHED CAMBRIC

Straight cut for application in regular smooth surfaces; bias for irregular surfaces. Supplied in all normal commercial sizes and thicknesses, in yellow or black, and in four finishes, greasy, tacky, dusty and dry. Physical and electrical properties comply with ASTM Specifications with ample safety factor.

VARNISHED CAMBRIC TAPE

Supplied straight cut or seamless bias, in all normal widths and thicknesses, yellow or black, greasy, tacky, dusty or dry. Characteristics same as for VC. Accurately slit for use in taping heads.

VARNISHED CANVAS AND DUCK

For use where greater mechanical protection is required. High strength fabrics coated with same high grade varnishes as VC.

VARNISHED SILK

For use where requirements call for very thin, high dielectric insulation.

VARNISHED SPECIAL RAYON

For use where high tensile and high dielectric strength are required in addition to smoothness and minimum clearance.

VARNISHED FIBERGLAS

Natvar Varnished Fiberglas is Class B insulation for equipment which operates at temperatures above normal safe working range of varnished cambric. Has great mechanical strength and excellent dielectric properties. Available in rolls, tape and full width sheets to 36".

SILICONE COATED FIBERGLAS

For higher permissible temperatures. Available in tape, sheets and rolls 36" wide.

SLOT INSULATION

Combination of Copaco 100% rag paper stock to which a layer of Natvar VC is firmly bonded. The high dielectric strength and moisture resistance of Natvar VC together with the toughness and abrasion resistance of 100% rag paper make a slot insulator which will withstand pounding and chafing without impairment of its electric properties. Rolls or sheets approximately 36" wide.

VARNISHED PAPERS

Chemically inert rope and kraft stocks selected for uniform thickness, tensile and dielectric strength and for freedom from pinholes. In yellow varnished, condenser type tissues and yellow or black varnished heavy papers.

SATURATED SLEEVING

Smooth rayon or Fiberglas braid, single, double or triple saturated with varnish or synthetic. Flexible and smooth for fast application to soft or stranded leads. Wide range of vivid colors for coding. All sizes.

VARNISHED AND LACQUERED TUBING

Smooth rayon or Fiberglas braid impregnated and coated with varnish, or coated with lacquer, in a continuous coating. Exceptionally smooth and flexible. Meets ASTM and NEMA Specifications with ample margin. Several grades to meet various dielectric, aging and heat endurance requirements. Also in heavy-wall cotton braid where higher mechanical strength is required and O.D. is not a limiting factor. Vivid colors for coding. All sizes.

EXTRUDED VINYL TUBING

Natvar 400, for applications requiring high resistance to both heat and oil, is approved by Underwriters' Laboratories for continuous operating temperatures of 105°C. and stays flexible when immersed in hot oil for prolonged periods. It is a well balanced tubing that is tough, elastic, flexible, resistant to abrasion and tear, inert and resistant to oils, waxes, alkalis, acids and most solvents. Available in black, white, transparent and several colors.

V.I.T. 200 is an all-purpose tubing with excellent flexibility through a temperature range of -40°C. to +85°C. Melts at high temperatures but will not support combustion. Shows no disintegration or flaking when immersed in oil. In general has the same inherent characteristics as Natvar 400, but slightly higher tensile strength, averaging 3600 p.s.i.

IDENTIFICATION MARKERS

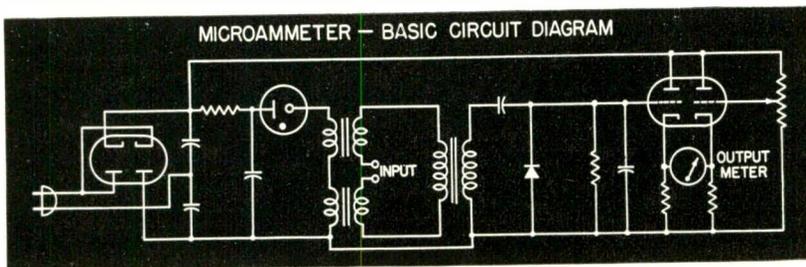
Short sleeves of varnished braid or extruded vinyl, marked with numbers or letters or both for identifying terminals of complex wiring systems, such as airplane ignition systems. Wide color range, any size, any marking.

SPECIAL PRODUCTS

Our laboratory, manufacturing facilities and engineers are at your service to help with problems not solved by standard materials.

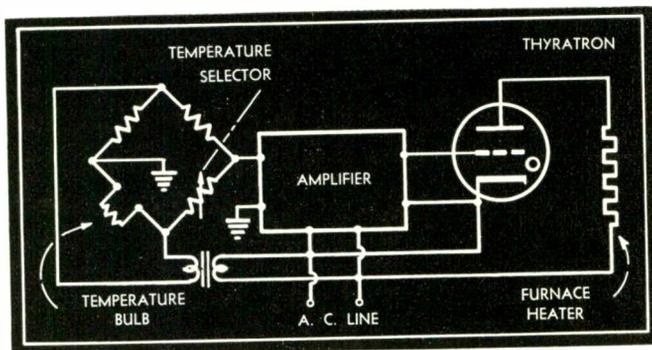
MACDONALD Electronic Microammeter

The Macdonald Electronic Microammeter Type 100 is suitable for measuring small direct currents like those found in thermoelectric and bridge circuits. The small size of this instrument makes it readily portable, and like vacuum tube voltmeters, it is operated from a 117 volt 60 cycle line. Shown below is the basic circuit diagram of Type 100 Microammeter as well as its specifications.



INPUT RESISTANCE	TIME CONSTANT
50 ohms	6 seconds
PERMISSIBLE OVERLOAD	ACCURACY
0.25 ampere on input	±3%
SENSITIVITY	POWER SUPPLY
1μA full scale	110-125 volts 60 cycles
RANGES	DIMENSIONS
1μA 3μA 10μA 30μA 100μA	10½" x 6⅞" x 6½"
	Type 100 — \$225

MACDONALD Proportioning Temperature Controller Type A and Type 18B



RANGE . . . Room temperature to 1000°F (special or higher ranges on request)
CONTROLS TEMPERATURE WITHIN 0.1°F
OUTPUT POWER (available for furnace winding)

	TYPE A	TYPE 18B
110 VOLT OPERATION	225 watts	825 watts
220 VOLT OPERATION	550 watts	1650 watts

TYPE A—\$290.00 TYPE 18B—\$375.00

Temperature Bulb for either model—\$40.00

Prices f.o.b. Cambridge, Mass.

W. S. MACDONALD CO., INC.

33 UNIVERSITY ROAD

CAMBRIDGE, MASS

Don't Overlook the

MATERIALS SECTION

of this issue of the
electronics

BUYERS' GUIDE

In it you will find pertinent
engineering information
on . . .

- ACOUSTIC MATERIALS
- CERAMICS
- COATINGS
- FLUORESCENT COMPOUNDS
- GASES
- GLASS
- INSULATION
- MAGNETIC CORE MATERIALS
- METALS
- PERMANENT MAGNET MATERIALS
- PLASTICS
- POTTING COMPOUNDS
- RADIOACTIVE MATERIALS
- SEALING COMPOUNDS
- WAXES

used in the manu-
facture of electronic and
allied products

Comments and sug-
gestions on this section
of the Buyers' Guide
will be appreciated.

C-D

5 high-strength plastics

DIAMOND

Vulcanized Fibre

VULCOID

a C-D dielectric material

DILECTO

a laminated
thermosetting plastic

CELORON

a fabric-base
molded plastic

MICABOND

mica in most usable form

fabrication

Continental • Diamond
C - D
Engineered Products

Continental - Diamond

F I B R E C O M P A N Y

Established 1895

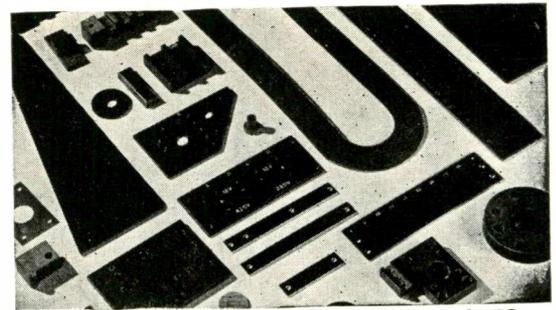
Manufacturers of Laminated Plastics since 1911

NEWARK • DELAWARE

DILECTO

DILECTO is made by impregnating paper, cotton or asbestos fabric, fiberglass, felted asbestos, nylon, or other base material with synthetic resin, then pressing these laminations together under heat and pressure. Standard finished forms are sheets, rods and tubes, all of which are readily fabricated. There is also a grade of DILECTO sheet which may, after pressing, be formed to permanent shape. This type of sheet is known as "POST FORMING" Dilecto and is made in grade CF, XF, and MEC-1F.

**fabricated
Dilecto
parts**



ELECTRICAL AND MECHANICAL PROPERTIES OF DILECTO SHEET GRADES, APPROXIMATE AVERAGE VALUES

Nema Grade	Continental-Diamond Grade (sheets)	Lbs./cu. in.	Specific Gravity	Water Absorptions % 24 hrs.	Rockwell Hardness "M"	Tensile Strength Thousands of psi		Flexural Strength Thousands of psi		Compression Strength, thousands psi (Fla.)	Bonding Strength, lbs. (1)	(1) Impact Strength (Izod) Notched in ft. lbs. per 1" of Notch				Dielectric Strength in Volts per Mil		(2) Power Factor 10 ⁶ cycles /seconds		Dielectric (3) Constant 10 ⁶ cycles /seconds		Loss (2) Factor 10 ⁶ cycles /seconds	
						LW	CW	LW	CW			LW	CW	LW	CW	Short Time	Step by Step	As Recd.	Wet	As Recd.	Wet	As Recd.	Wet
X	X-13	.0487	1.35	2.0	110	15	12	30	22	42	1100	3.5	2.0	0.70	0.60	750	530	0.039		5.10		0.20	
P	XP-13	.0487	1.35	1.5	100	11	10	20	16	26	900			0.60	0.50	575	400	0.036	0.04	4.6	5.2	0.17	0.21
	XP-90	.0476	1.31	2.5	45	9.7	7.2	12	10	19				1.00	0.70	600	400	0.055		5.5		0.30	
XXP	XXP-13	.0487	1.35	0.9	110	10	8	17	14	27	1000			0.50	0.45	750	530	0.030	0.034	4.3	4.5	0.13	0.15
XXXP	XXXP-13	.0487	1.35	0.5	110	9	7.5	16	13	27	1100			0.40	0.35	700	500	0.026	0.028	4.2	4.4	0.11	0.12
	XXXP-22	.0466	1.29	0.3	115	12	10.5	13.5	12	27.5				0.379	0.338	810	675	0.024	0.027	4.08	4.2	0.10	0.115
XX	XXS	.0487	1.35	1.5	100	12	10	19	17	34	950	1.1	1.0	0.50	0.45	700	500	0.038	0.042	5.2	5.4	0.20	0.23
	XX-13	.0487	1.35	0.9	110	12	10	19	17	34	950	1.1	1.0	0.50	0.45	700	500	0.038	0.039	5.2	5.3	0.20	0.21
XXX	XXX-13	.0487	1.35	0.7	115	11	10	19	16	36	1200	0.9	0.85	0.45	0.40	650	470	0.034	0.035	4.8	4.9	0.16	0.17
	XXARC	.0487	1.35	3.0	100																		
	XXHV	.0487	1.35	1.3	110	10	8	17	15	27	950					600	450	0.033	0.039	4.7	4.8	0.16	0.19
	CBW	.0487	1.35	1.9	100	12	10	19	18														
A	A-13	.0614	1.70	0.8	100	10	7	18	16	38	900	1.9	1.8	0.9	0.8	200	120	0.115		5.2		0.60	
AA	AA-13	.0560	1.55	0.7	110	10	6.5	19	15	40	1800	5.0	4.1	4.5	4.0	75	45	0.44		6.8		2.99	
	MAA	.0639	1.77	5.3	108	7.4	6.5	13	12	45	1300	6.0		4.0		35	27	0.57		13.4		7.7	
	FA-72	.0578	1.60	0.7	115	21	17	38	27	48	1400	5.0	4.0	2.5	2.0	70	50						
	MA	.0650	1.80	1.2	115	10	6	17	13	40	900	1.3	1.1	0.85	0.75	150	80	0.11		8.2		0.90	
	CF	.0487	1.35	0.8	100	11.5	9.5	22	22	38.5				2.0	1.6	200	125						
C	C-813*	.0487	1.35	1.0	110	11	9	21	19	40	2000	3.6	3.5	2.4	2.1	200	120	0.065		6.0		0.36	
	MC	.0524	1.45	3.0	107	9.5	7.9	17	16.6	39				1.4		300	200	0.07	0.17	8.4	15.5	0.59	2.70
	CV	.0487	1.35	0.8	115	9	8	20	18	40	2200	2.4	2.3	1.5	1.4								
CE	CE-800	.0487	1.35	0.8	115	9	8	20	18	38	2200	2.4	2.3	1.5	1.4	380	265	0.050	0.058	5.2	5.6	0.26	0.33
L	L-400*	.0437	1.35	0.9	110	12	9.5	23	18	39	1900	3.3	3.0	1.4	1.3	200	120	0.065	0.072	6.0	6.3	0.39	0.45
	ML	.0524	1.45	2.0	110	13.5	9.1	22	15	39				0.7		325	230	0.07	0.20	8.4	8.95	0.59	1.79
LE	LE-13	.0487	1.35	0.7	115	10	8	21	17	40	2000	2.5	2.0	1.5	1.1	450	290	0.045	0.050	4.8	5.2	0.22	0.26
	LDC	.0487	1.35	0.6	115	9	7.5	20	16	40	2000	2.5	2.0	1.5	1.1								
	GB-112-M†	.061	1.69	3.0	114	22	20			45						600	400	0.018		7.0		0.126	
	GB-112-D†	.060	1.65	2.5	110	33	30			38						900	700	0.018		5.0		0.090	
G5	GB-128-M	.0686	1.90	2.2	110	25	22	40	38	50	1700	17.5	16.5	14.0	13.0	500	330	0.013		7.2		0.094	
G3	GB-128-D	.0578	1.60	0.6	95	24	15	21	19	44	1500	10.0	7.0	8.0	7.0	600	390	0.025	0.04	4.9	5.3	0.13	0.21
G1 & G2	GB-261-D	.0542	1.50	0.6	105	15	11	22	19	39	1200	9.0	5.5	8.0	5.0	425	360	0.011	0.02	4.2	4.3	0.046	0.086
	Diamond Dilecto	.0506	1.40	11.0	90	15	9	24	20	38	1000	7.0	5.5	1.5	1.4	600	390	0.055	0.080	6.0	6.5	0.33	0.52
	MEC-5	.0423	1.17	0.2	100	6.7	5.7	11	9.5	48	850	5.5	4.0	3.0	2.0	370	340	0.016		4.43		0.071	
	GB-112-S	.0614	1.70	.15		19		27		31	960			7.2	5.5	325	300	0.002	0.013	3.9	4.6	0.008	0.060
	GB-128-S	.0614	1.70	.15		18		23		46	800			12	10	250		0.002		3.9		0.008	
	GB-261-S	.0614	1.70	.20		22		24			990			9.5	8.0	150		0.002		3.9		0.008	

NOTES: All tests, except "blistering temperature," were conducted in accordance with American Society for Testing Materials Methods for Sheet Electrical Insulation.

*These Grades approximate the physical properties of Celoron.

†These grades are made principally in the thicknesses from .010" to .025". The data shown is for .025" thick sheet.

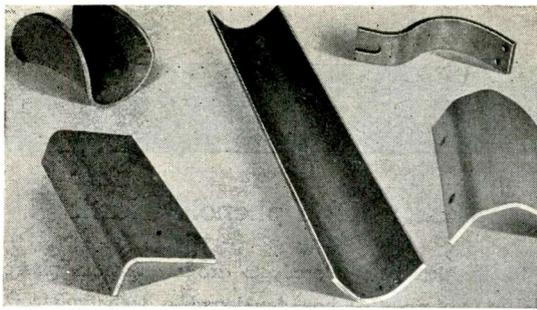
(1) Flatwise impact test and bonding strength values are based on 1/2"

thick material. All other tests are based on 1/8" thick material except the values for grade XXARC, which are based on 1/32" thickness.

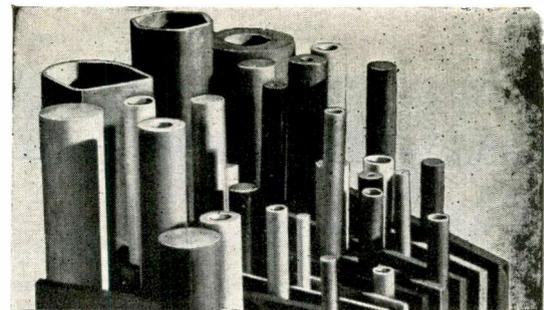
(2) Wet power factor, dielectric constant, and loss factor values are based on samples which had been immersed in fresh water for 24 hours at 25° ± 2° C.

(3) Insulation Resistance values were determined on samples conditioned for 96 hours at 90% ± 2% relative humidity at 35° ± 1° C.

post
formed
shapes



sheets
rods
tubes



STANDARD SIZES OF DILECTO SHEETS . . . TUBES . . . RODS

Blistering Temp. °C	Blistering Temp. °F	Arc Resistance in Seconds	Insulation Resistance, Megohms (3)	Deformation under Load in %	Colors (4) and Finish (5)	SHEETS		TUBES						MOLDED RODS Lengths Approx. 38" to 46"	Continental-Diamond Grade (sheets)	
						Thickness in Inches inclusive	Approximate Size in Inches	MOLDED Lengths Approx. 18" to 144" (8)			ROLLED Lengths Approx. 18" to 96"					Diameter in Inches inclusive
								Min. (7) Wall Thickness, Inches	I. D. in Inches inclusive	O. D. in Inches inclusive	Min. (7) Wall Thickness, Inches	I. D. in Inches inclusive	O. D. in Inches inclusive			
220	428	10	90		Black, Natural, Nat. core with Black surfaces	.010—2	36 x 42 38 x 38 38 x 43 38 x 96 39 x 46	1/16	1/8—9	1/4—9-1/2	1/32 (6)	1/8—48	3/16—50	not made	X-13	
240	464	10	100		Black, Natural, Nat. core with Choc. surfaces	.010—1/4		not made			not made			not made	XP-13	
240	464	7	35		Natural	.010—1/4	46 x 70	not made			not made			not made	XP-90	
220	428		500		Blk., Nat. Choc., Nat. core with Brown surfaces	1/64—1/4	except thicknesses under 1/32" made only in 38 x 38 and 38 x 43 sizes	not made			not made			not made	XXP-13	
220	428	4	2000		Black, Natural	1/64—1/4		not made			not made			not made	XXXP-13	
240	464	9	9400		Natural	1/64—1/4		not made			not made			not made	XXXP-22	
250	482	4			Black only	1/32—2		not made			not made			not made	XXS	
250	482	4	500	0.77	Black, Natural	.010—2	38 x 38 and 38 x 43 sizes	1/16	1/8—9	1/4—9-1/2	1/32 (6)	1/8—48	3/16—50	1/8—2 (9)	XX-13	
240	464	4	800	0.65	Black, Natural	1/64—2	XXARC-38 x 38 and 38 x 43 only	1/16	1/8—9	1/4—9-1/2	1/32 (6)	1/8—48	3/16—50	1/8—2 (9)	XXX-13	
		10	159		Olive Green	1/64—1/4		not made			not made			not made	XXARC	
		10	100		Black, Natural	1/64—2		not made			not made			not made	XXHV	
					White core, Blk. surfaces; alternating Blk. and White layer or Blk. surfaces	1/32—1/4	38 x 38	not made			not made			not made	CBW	
220	428	4			Natural	.025—2	38 x 38 and 38 x 43 except Grade A	1/16	3/16—9	5/16—9-1/2	1/16	3/16—48	5/16—50	1/4 to 2 (10)	A-13	
270+	518+	4			Natural	1/16—2	36 x 38 and 36 x 43	1/8	3/8—9	5/8—9-1/2	1/8	1—48	1-1/4—50	1/2 to 2	AA-13	
300+	572+	75	.25	.90	Gray	1/16—2	Grade A 36 x 38 and 36 x 43	1/8	3/8—9	5/8—9-1/2	1/8	1—48	1/4—50	1/2—2	MAA	
		4			Natural	.025—2		1/16	3/16—9	5/16—9-1/2	1/16	3/16—48	5/16—50	1/4 to 2 (9)	FA-72	
230	446	80	5		Gray	.025—2	36 x 36	1/16	3/16—9	5/16—9-1/2	1/16	3/16—48	5/16—48	1/4 to 2 (9) (10)	MA	
200	392	4	10	1.3	Natural	1/32—3/8	38 x 38 38 x 43 39 x 46 39 x 70 46 x 70	not made			not made			not made	CF	
230	446	4	25	1.3	Natural	.025—10	38 x 38 38 x 43 39 x 46 39 x 70	1/16	1/4—9	3/8—9-1/2	1/16	3/8—48	1/2—50	1/4 to 4	C-813*	
215	419	80	1.4	1.7	Gray	.025—2	38 x 43	1/16	1/4—9	3/8—9-1/2	1/16	3/8—48	1/2—50	1/4 to 4	MC	
240	464	4			Natural	1/32—2	36 x 42 38 x 38 38 x 43 38 x 96 39 x 46	not made			not made			not made	CV	
240	464	4	100	0.90	Black, Natural, except CV—Natural only	1/32—2		1/16	1/4—9	3/8—9-1/2	1/16	3/8—48	1/2—50	1/4—4	CE-800	
220	428	4	25	1.3	Natural	.010—2		1/32	1/8—9	3/16—9-1/2	1/32	3/16—48	1/4—50	3/16—4	L-400*	
		95	9.7	1.4	Gray	.015—2									ML	
	446	4	100		Black, Natural	.015—2	38 x 38 38 x 43	1/32	1/8—9	3/16—9-1/2	1/32	3/16—48	1/4—50	3/16—4	LE-13	
230	446	4			Natural	.015—2		1/32	1/8—9	3/16—9-1/2				3/16—4	LDC	
270+		185	50	0.90	Brown	.010—.025	38 x 38 38 x 43								GB-112-M†	
270+		4	20	0.50	Natural	.010—.025	38 x 38 38 x 43								GB-112-D†	
270+	518+	185	50		Brown	.015—2		1/16	1/4—9	3/8—9-1/2	1/16	1/2—48	5/8—50	1/2 to 2 (10)	GB-128-M	
270+	518+	4	25	0.30	Natural	.025—2	38 x 38 and 38 x 43	1/16	1/4—9	3/8—9-1/2	1/16	3/8—9	1/2—11	1/4 to 2	GB-128-D	
270+	518+	4	500	0.58	Natural	1/32—2		1/8	3/8—9	5/8—9-1/2	not made			1/2 to 2 (10)	GB-261-D	
250+	482+	100	10		Gray	1/32—2	39 x 46	1/16	1/2—9	5/8—9-1/2	1/16	1—48	1-1/8—50	not made	Diamor Dilecto	
		7	10000	1.13	Natural	.010—1	38 x 38 38 x 43	1/32	1/8—4	3/16—5	not made			3/16—2	MEC-5	
		275	3000		Natural	.010—1/2	36 x 36 36 x 42								GB-112-S	
		275	800		Natural	1/32—1/2	36 x 36 36 x 42								GB-128-S	
		275	5.7		Natural	1/16—1/2	36 x 36 36 x 42								GB-261-S	

(4) Natural Color varies from golden yellow to dark brown.

(5) Standard finishes are dull, semi-gloss or polished.

(6) The above specifications cover standard sizes regularly in production. Where your design requirements dictate, and our production facilities permit, other sizes can usually be made on special order.

(7) Maximum wall thickness is determined by inside diameter. Correspondence is invited on sizes where wall thickness is abnormally great.

(8) Lengths over 40 inches are available in a limited range of sizes.

(9) Diameters of 1" and over may have annular cracks.

(10) 36" lengths.

DIAMOND Vulcanized Fibre

a light . . . tough . . . strong non-metallic material . . . readily cut, formed, machined, punched.

standard grades

"Bone Quality" . . . "Commercial Quality" . . . "Diamond Insulation" . . . all three have good electrical insulating qualities.

"Bone Quality" — a very dense fibre with a specific gravity of about 1.40. Recommended for intricately machined parts where dimensional changes must be kept to a minimum. The best grade for making formed parts such as Railroad Track Insulation.

"Commercial Quality" — specific gravity ranges from .90 to 1.20 according to thickness. Used for average mechanical and electrical insulating applications. Available in a wide range of thicknesses. (See NEMA specification.)

"Diamond Insulation" (Nema electrical insulation fibre) — Commonly called "fish paper." Made in thicknesses of from .004 in. to and including 1/8 in. An exceedingly tough fibre with high electrical insulating properties. Stands extreme bending without cracking. Has a hard, abrasive-resisting surface.

standard forms and sizes

Sheets . . . rods . . . tubes . . . readily fabricated or formed on standard wood and metalworking machinery.

sheets

	thickness, in.	approx. sizes, in.
"Bone Quality"	1/32 to 3/16 inc. Over 3/16 to 1/2	46 x 70 48 x 80
"Commercial Quality"	.004 to 2 incl.†	48 x 84
"Diamond Insulation"	.004 to 1/8 incl.*	48 x 84

*Continuous rolls and ribbon rolls for automatic machines are furnished up to 1/32 in. thick. †In commercial grade up to .060 in. thick.

tubing — Approximate "Bone Quality" . . . is of dense structure . . . has excellent machining, forming and spinning properties. Standard lengths approximately 22 to 36 in. (60 in. lengths [approximate] can be made with inside diameters 5/8 to 2 in. incl. on quantity orders). Inside diameters 1/8 to 4 3/8 in. Wall thicknesses 1/32 to 1/4 in. incl. (1/4 to 1/2 in. incl. can be made by telescoping process).

rods — Turned from sheet stock. Supplied in "Bone Quality" in diameters to 1/2 in. incl.; in "Commercial Quality" to 2 in. incl. Random lengths 60 to 72 in., in diameters to 1 in.; 36 to 60 in., in diameters 1 to 2 in.

colors

Sheets and rods: "Bone Quality," gray only; "Commercial Quality," red, gray and black.

Tubing: red, gray and black.

"Diamond Insulation": natural dark gray only. For detailed specifications refer to the standard publication of National Electrical Manufacturers Association (NEMA Pub. No. 46-111 Feb. 1946) which will be furnished on request.

VULCOID

a C-D electrical insulating material

SHEETS . . . TUBES . . . RODS . . . PARTS . . .

VULCOID should be classified as intermediate between vulcanized fibre and laminated phenolic plastics. It is approved by the Underwriters Laboratories for insulation of current-carrying parts in electrical equipment. Has excellent machining properties.

VULCOID is supplied in its natural color — a brownish gray. Made in standard size sheets, tubes and rods.

properties

The numerical values for some of the properties of VULCOID decrease as the thickness increases. For a given thickness there is a variation in all properties due to normal variation in manufacturing conditions and in the properties of the ingredients.

CELORON

a fabric-base molded phenolic plastic

CELORON molded plastic products are made from phenolic resin impregnated fabric. C-D has developed a technique for molding shapes from this material which makes available to designers and engineers parts molded to unusually close dimensions and requiring a minimum of machining.

An unusual combination of mechanical, electrical and chemical properties is provided in CELORON molded plastic parts. CELORON is for most practical purposes chemically inert, insoluble and infusible. It is little affected by moderate concentrations of acids. It is practically unaffected by water and is insoluble in ordinary solvents such as alcohol, benzene, turpentine.

CELORON has good electrical insulating properties. It is practically unaffected by rapid temperature changes. It may be used continuously at temperatures as high as 250°F. and intermittently at temperatures as high as 350°F.

In CELORON, designers find a combination of light weight (about half that of aluminum) and great strength that accounts for many of the uses made of CELORON parts to improve product performance or lengthen useful life.

CELORON molded plastic parts are made in two colors: black and natural. Natural is a golden brown — usually with a mottled effect.

MICABOND

mica in its most usable form

SHEETS • TUBES • TAPES • PARTS

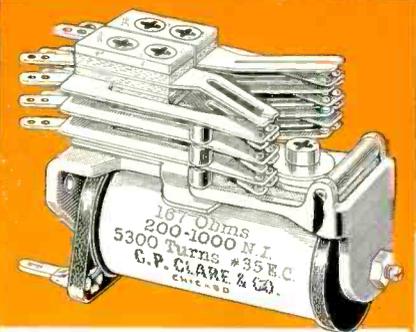
MICABOND is a bonded mica product which makes available the highly desirable properties of natural Mica in the forms of sheets, tubes, rings, segments and specially designed parts.

Micabond Tapes — Used extensively for insulating armature coils, turbogenerator coils and all applications where a thin flexible insulation, having high electrical insulating properties and heat resistance, is required.

The special insulating binders used, together with the thin films of mica, provide uniform quality and pliable tapes which assure maximum protection against heat and electricity.

Grades of Micabond — Made in many grades to meet specific electrical insulating, heat resistance and moisture resistance problems. Micabond is also available in combination with insulating papers and cloths, cellophane, fish paper, etc. Write for the complete data bulletin M-48.

CLARE New Type "J" Relay Provides Sure, Positive Action with Exclusive Twin-Contact Design



● Here, at last, is a twin-contact design in which the chance of contact failure is actually reduced to the practical limit.

Exclusive design of the CLARE Type "J" d.c. Relay allows the twin contacts to operate independently of each other so that one contact is sure to close even when the other may be blocked by presence of dirt or grit.

This sensational new relay combines the best features of the conventional telephone-type relay with the small size and light weight developed during the war for military aircraft use.

Weighing little more than two ounces, slightly over two inches in length, it has the sturdy construction, large contact spring capacity, extreme sensitivity, and adaptability to a wide range

of specifications for which CLARE Relays are noted.

Modern designers, working to develop close-coupled, compact equipment to meet today's streamlined standards, welcome this highly efficient combination of capacity and small size.

CLARE Relays are especially designed for jobs where ordinary relays won't do. If you have such a relay problem, Clare Sales Engineers are located in principal cities to help you work out a Clare "Custom-Built" Relay that will just fit your needs. Write: C. P. Clare & Co., 4719 West Sunnyside Avenue, Chicago 30, Illinois. Cable Address: CLARELAY. In Canada: Canadian Line Materials, Ltd., Toronto 13, Ontario.

All These Features . . . and More . . . Provided By CLARE Type "J" Relay

Independent Spring Contacts. Dome shaped contacts on movable springs; flat discs on fixed springs.

High Current-Carrying Capacity. Twin contact points of palladium. Rated current-carrying capacity: 4 amperes, 150 watts.

New Design Large Armature Bearing Area. Hinge type armature has new design bearing providing largest possible bearing surface. Pivotal pin turns in cylinder of different metal which is full width of heelpiece.

Sensitive, Efficient Magnetic Structure. Heelpiece and other magnetic iron parts are exceptionally heavy for size of relay . . . provide highly sensitive and efficient magnetic path.

High Operating Speed. Designed for extremely fast operation . . . a minimum of one to two milliseconds.

Permits Handling Large Spring Loads. Power and sensitivity permit handling of large spring loads. Both single and double-arm relays available. Maximum of 10 springs on single-arm relay . . . 20 springs (10 in each pileup) on double-arm relay.

CLARE RELAYS

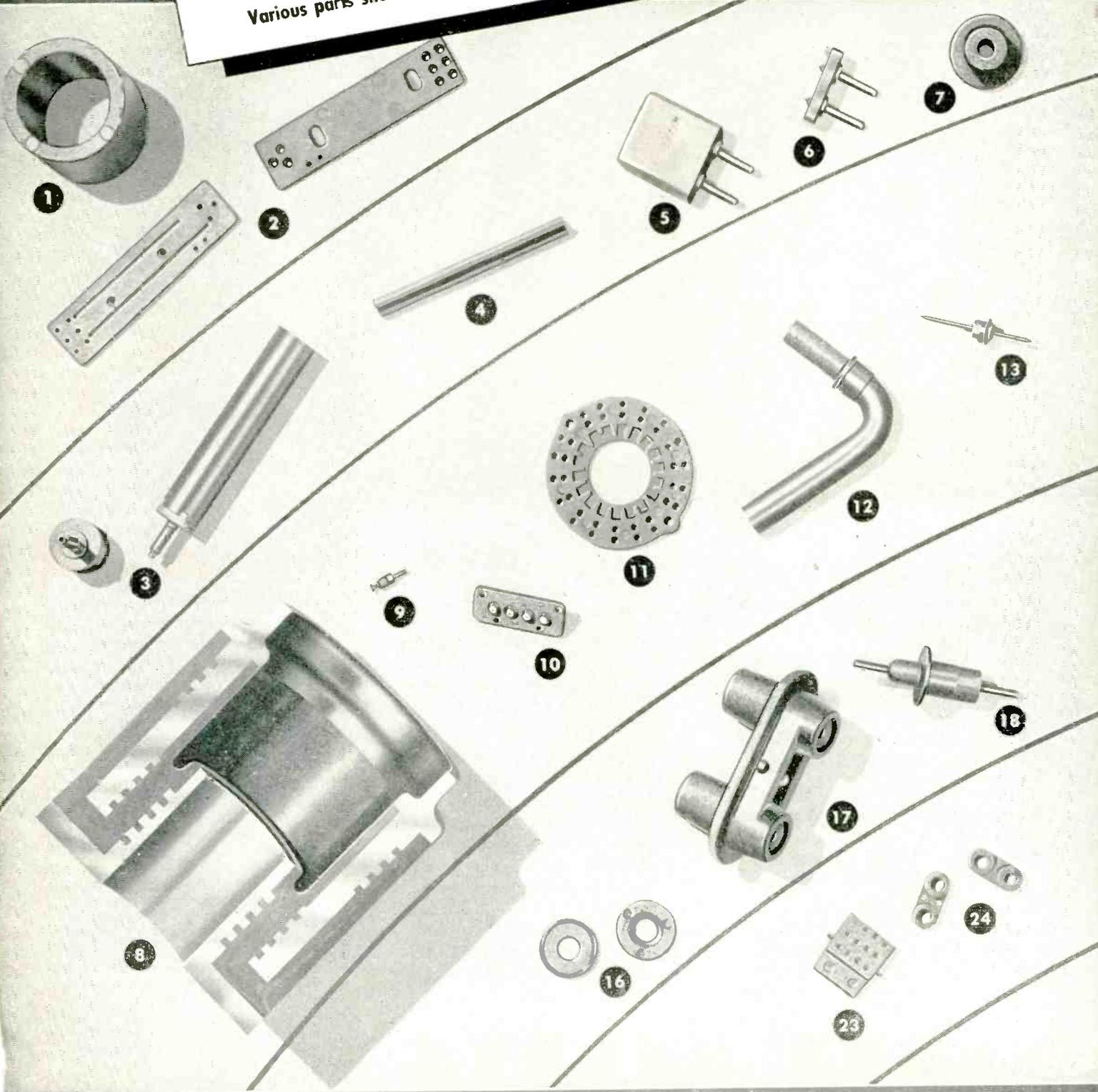
"Custom-Built" Multiple Contact Relays for Electrical and Industrial Use



Memo to... DESIGN ENGINEERS about... MYCALEX 410 - MOLDED

NOW PRICED TO MEET RIGID ECONOMY REQUIREMENTS

In the design of components or complete equipment for industrial controls or communications—where insulation qualities are of critical importance—where mechanical precision must be a fixed factor—where strength is essential—where electrical characteristics must accurately meet high frequency circuit needs... then remember MYCALEX 410 as the insulation that designs-in with your most exacting requirements. Various parts shown below are some of many made for special applications.



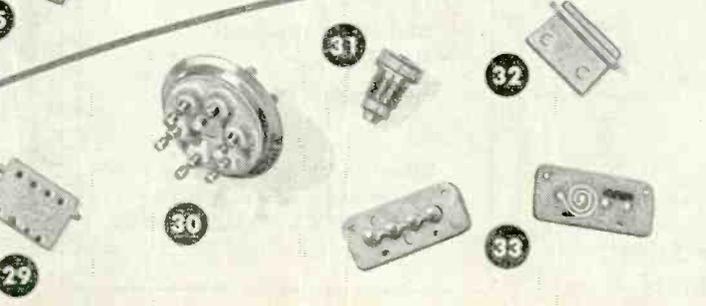
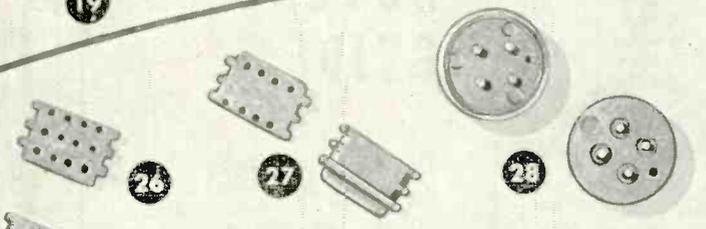
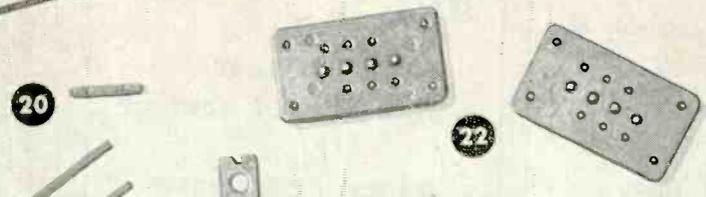
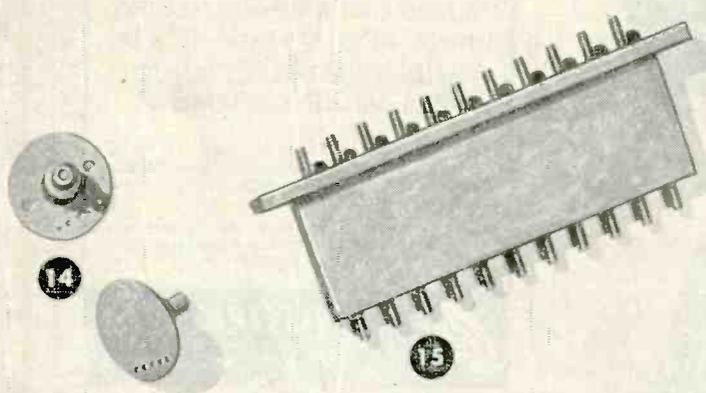
MYCALEX is today's improved insulation — designed to meet the exacting demands of all types of high-frequency circuits. MYCALEX is unusual in that it possesses a combination of peculiar characteristics that make it ideally suited for insulation in all types of electronic circuits. In tomorrow's designs for communications and industrial control equipment, MYCALEX 410 will be specified more than ever

before because of its . . . Low dielectric loss • High dielectric strength • High arc resistance • Dimensional stability over wide humidity and temperature changes • Resistance to high temperatures • Mechanical precision • Mechanical strength • Ability to mold metal inserts in place. If you have any insulation problems, our engineers will be glad to help you in their solutions.

MYCALEX CORP. OF AMERICA

"Owners of 'MYCALEX' Patents"

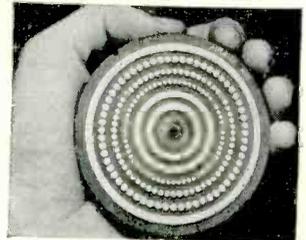
Plant and General Offices: Clifton, N. J. Executive Offices: 30 Rockefeller Plaza, New York 20, N. Y.



34 MYCALEX 410 Insulator body for automobile dashboard light-switch



35 Airplane Fire Detector thermocouple, with 2 brass terminals and steel ring molded into MYCALEX 410



37 MYCALEX 410 Telemetering Commutator with 180 contacts and 3 slip rings of coin silver



36 Miniature Tube Sockets of MYCALEX 410

EXAMPLES OF MYCALEX 410 MOLDED INSULATION PRODUCTS, WITH AND WITHOUT METAL INSERTS, FOR ALL TYPES OF HIGH FREQUENCY CIRCUITS

PART NAME	APPLICATION	INSERTS	MAX. DIMEN.
1 Bushing	Motor Generator	None	1.75"
2 Insulator	Electrical Instrument	None	3.18
3 End Seal	Thermostat Shell	Stainless Steel	3.75
4 Insulator	Electrical Instrument	None	3.00
5 Hermetic Seal	Crystal housing	Nickel and Copper	0.88
6 Hermetic Seal	Crystal housing	Copper	1.09
7 Insulator	Automobile Antenna	None	1.06
8 Bushing	Ignitron	Steel	4.50
9 Stand-Off Insulator	Electronics circuit	Brass	0.56
10 Panel	Television Selector Switch	Silver	1.38
11 Switch Wafer	Television Selector Switch	None	2.31
12 Elbow	Aircraft ignition	Steel and Brass	2.75
13 Lead	Transformer	Monel	1.75
14 Insulator	Polarizing relay	None	1.09
15 Lead through block	Oscillator	Brass	4.69
16 Insulator	Telephone Transmitter	None	0.88
17 Dual Bushing	Oil Burner Transformer	None	3.00
18 Lead	Transformer	None	2.50
19 Actuating Bar	Telephone relay	None	1.44
20 Actuating Bar	Telephone relay	None	0.78
21 Spacer	Radio vibrator	None	0.56
22 Panel	Television Selector Switch	None	1.75
23 Spacer	Telephone relay	None	1.00
24 Spacer	Relay	None	0.91
25 Spacer	Telephone relay	None	1.00
26 Spacer	Telephone relay	None	1.00
27 Clamping Plate	Telephone relay	None	1.00
28 Electrode Mounting	Level Indicator	Brass	1.13
29 Spacer	Telephone relay	None	1.00
30 Six Terminal Header	Transformer	Monel	1.42
31 Test jack body	High Frequency Circuits	Monel	0.75
32 Clamping Plate	Telephone relay	None	1.00
33 Printed Circuit Base	Experimental	Silver	1.38

Address all inquiries to 60 Clifton Blvd., Clifton, N. J.

For Fast, Low-cost Assembly

—Use these

PALNUT

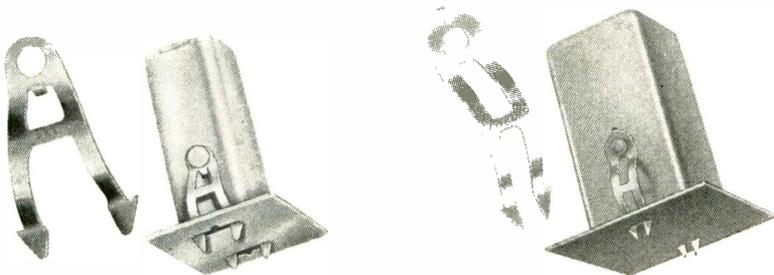
TRADE MARK

Vibration-proof Fasteners

PALNUT SHIELD CAN FASTENERS

No. 702 for miniature cans

No. 591 for 1" square or larger

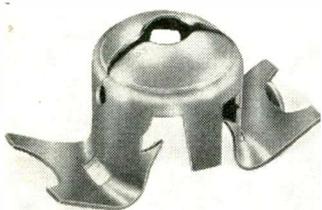


★ Strong, positive grip ★ No tolerance problem ★ Low assembly cost

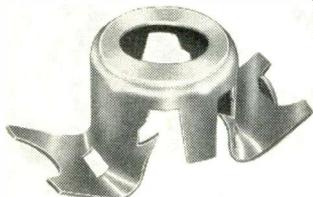
A quick snap of PALNUT Shield Can Fasteners into the chassis provides a secure job, speedily assembled at low cost. Live spring arch holds can tightly

against chassis; will not pull out unless deliberately released. Good ground contact. Use on any chassis thickness.

PALNUT COIL TUBE FASTENERS for .283" and .375" O.D. Tubes



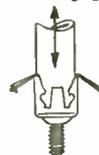
(Above) For threaded studs



(Above) For threaded cores

A QUICK, LOW-COST, EFFICIENT MEANS OF MOUNTING COILS TO CHASSIS OR TERMINAL BOARD. DOES THREE JOBS AT ONCE:

1. Thread design eliminates axial motion of core, maintains accurate settings. Tension is smooth, with negligible thread wear.



2. Gripping points allow easy insertion of tube, then grip with maximum resistance to rotational torque and "pull out".

3. Resilient side arms yield to clear mounting hole in chassis; once clear, arms snap open, securely holding coil in mounted position.



Write on Company letterhead for samples and engineering data.

THE PALNUT COMPANY

77 Cordier Street,
Irvington 11, N. J.

BETA HIGH VOLTAGE POWER SUPPLIES

200 to 200,000 VOLTS DC
10 μ a to 10 AMPERES
REGULATED OR
UNREGULATED

Special features as required

Standard products include:

KILOVOLTMETERS:

Up to 50 KV at 50,000 ohms per volt.
20 μ a drain. Higher drains up to 150 KV.

PORTABLE POWER SUPPLIES:

Adjustable from 0 to 30 KV DC. Regulated or unregulated units available.

PORTABLE PROJECTION OSCILLOSCOPES:

Case—19" x 16" x 13"; Picture—16" x 12".

AND OTHER ELECTRONIC MEASURING EQUIPMENT

Send for product literature, and our High Voltage DC Power Supply specification booklet for your special High Voltage Power Supply requirements.

Field Engineers throughout the country are at your service to discuss our products more thoroughly with you.



BETA ELECTRIC CORP.

1762 Third Ave., New York 29

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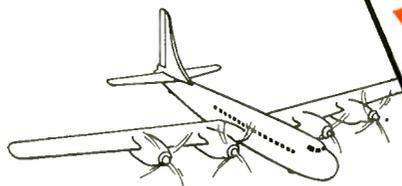
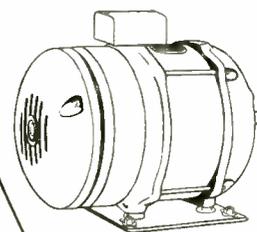
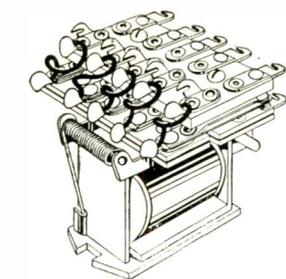
until next year
will you get another

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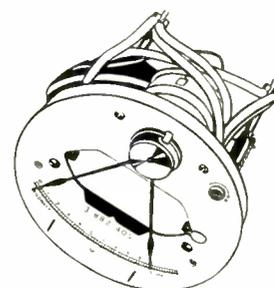
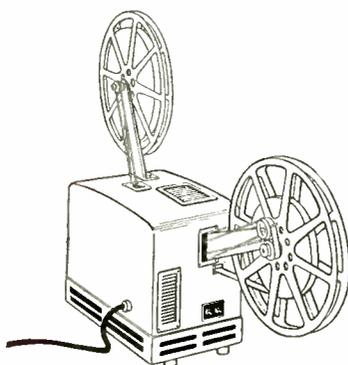
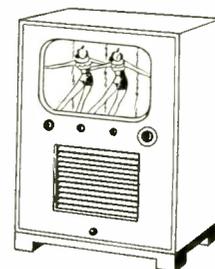
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WANTED
Tough Insulation Problems



Put BH Fiberglas Sleeving or Tubing to work on tough insulation problems in your product or plant equipment and eliminate the possibilities of insulation breakdown. Whether the problem is excessive current load, vibration, extreme temperatures, greases, oils or moisture — or when flexibility is essential — there is a BH product to solve it. Write for samples for laboratory and production testing. Include a few facts about your product, requirements, voltages and temperatures encountered. Let BH Fiberglas insulations do a better job for you.

BENTLEY, HARRIS MFG. CO., CONSHOHOCKEN, PA.

BH EXTRA FLEXIBLE FIBERGLAS SLEEVING

Remarkably flexible because no hardening varnish is used. Cuts without fraying and is non-combustible. Available in all colors. Basic sleeving withstands heat to 1200°F. Color unaffected up to 300°F.

BH SPECIAL TREATED FIBERGLAS SLEEVING

Heat resistant to 1200°F. Cuts cleanly without fraying and is tubular for ease of installation. Maximum flexibility. Unsaturated. Can be furnished double-braided or extra heavy wall to meet special conditions. Supplied in natural color.

BEN HAR SPECIAL TREATED FIBERGLAS TUBING

Available in Grade A — 7000V. and Grade B — 4000V. Flexibility combined with toughness. You can knot it, twist it, or pound it with a rawhide mallet. There's no loss of dielectric strength. Non-fogging. Non-corrosive.

OTHER BH PRODUCTS

Tubing: Magneto Varnished Tubing Grade "A"; Magneto Fiberglas Tubing Grade "A"; Flexible Varnished Tubing Grade "B".
Sleeving: Saturated Sleeving Grades C-1, C-2, C-3; Saturated Fiberglas Sleeving Grades C-1, C-2, C-3; Ben-Har Sleeving.

BH *Fiberglas**
SLEEVINGS

*BH Non-Fraying Fiberglas Sleeveings are made by an exclusive Bentley, Harris process (U. S. Pat. No. 2393530). "Fiberglas" is Reg. TM of Owens-Corning Fiberglas Corp.

----- USE COUPON NOW -----

Bentley, Harris Mfg. Co., Dept. E-53, Conshohocken, Pa.

I am interested in BH Non-Fraying Fiberglas Sleeving _____ for _____ (size or I.D.) _____ (product) operating at temperatures of _____ °F. at _____ volts. Send samples so I can see how BH Fiberglas Sleeving stays flexible as string, will not crack when bent.

NAME _____ COMPANY _____

ADDRESS _____

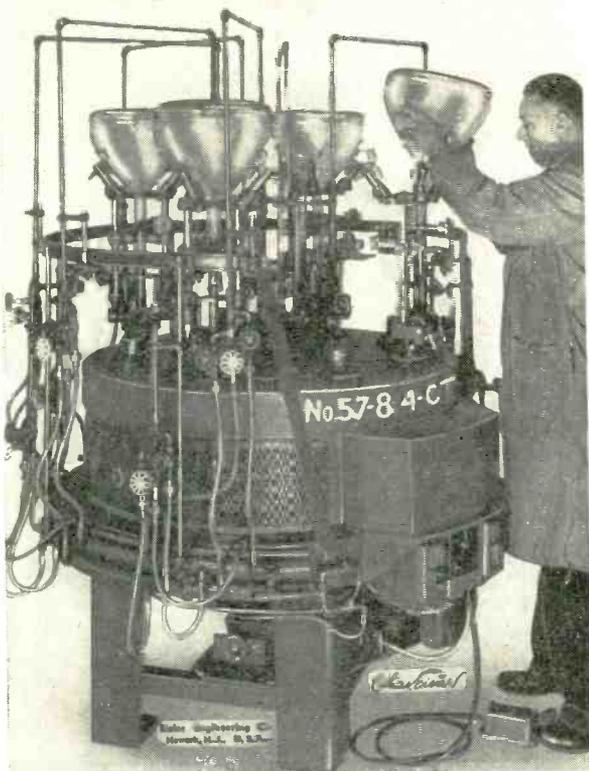
Send samples, pamphlet and prices on other BH Products as follows:

- Cotton or Rayon-base Sleeving and Tubing
- Ben-Har Special Treated Fiberglas Tubing

THE NEW EISLER GLASS FORMING MACHINES

for the automatic manufacture of Cathode Ray Tubes and Vacuum Flasks

CATHODE RAY TUBE SEALING MACHINE.



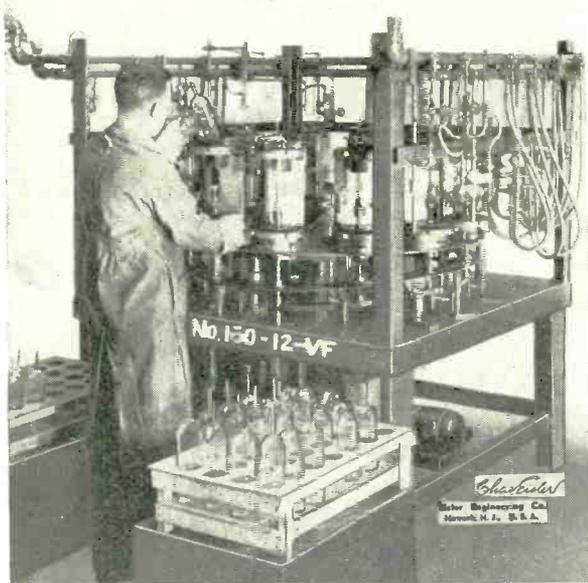
Cathode Ray tube sealing machine. Available in 4 to 12 heads.

24 HEAD AUTOMATIC TUBULATING MACHINE FOR VACUUM FLASKS



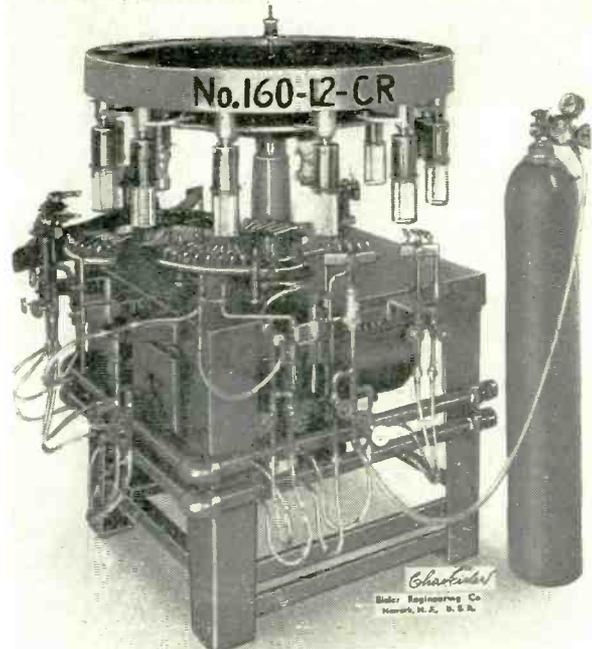
Automatic Piercing and tubulating machine for vacuum flasks.

12 HEAD AUTOMATIC VACUUM FLASK SEALING MACHINE.



Automatic vacuum flask sealing and neck forming machine.

12 HEAD AUTOMATIC CRACKING-OFF MACHINE FOR VACUUM FLASKS.



Automatic cracking-off, glazing and flaring machine for vacuum flasks.

Eisler Engineering Co., Inc., is internationally recognized, today, as one of the largest manufacturers of automatic machines for volume production of INCANDESCENT lamps, neon signs, radio and electronic tubes.

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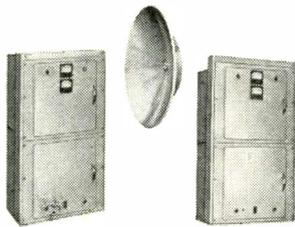
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Federal's COMPLETE BROADCAST SYSTEMS TV...FM...AM

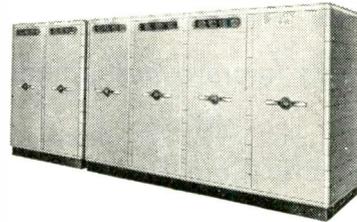
AN EXTRA MARGIN OF PERFORMANCE AND OPERATING ECONOMY is an in-built feature of Federal's Broadcast Equipment. Whether it's TV, FM or AM, there is a Federal complete system or specific component that will give you this added assurance of outstanding service.



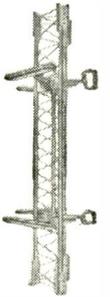
FEDERAL'S TV Transmitter Control Console—Complete transmitter control and monitoring facilities built into one console. No extra units required.



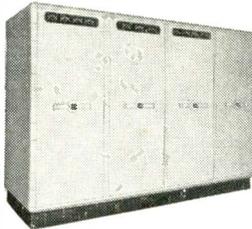
FEDERAL'S TV and FM Microwave Links—For studio-transmitter, intercity and portable remote pick-up links. Designed for simple installation and dependable, unattended operation.



FEDERAL'S TV Transmitters—For high band and low band operation—advanced design features include—
 ● Complete Air Cooling ● Mid-Level Modulation
 ● All Proven Standard Tubes ● Flexibility
 Federal also has available Ultra High Frequency TV Transmitting Equipment. Write for details.



FEDERAL'S TRIANGULAR LOOP TV ANTENNA—A single-feed, high-gain antenna providing more efficient and effective power radiation at reduced initial cost.



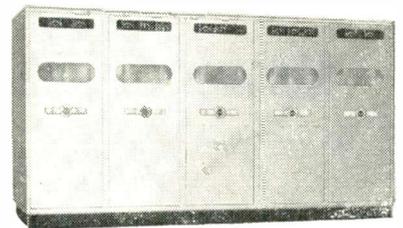
FEDERAL'S FM Transmitters—outstanding fidelity with economy, accessibility and dependable performance. Standard ratings of 1, 3 and 10 KW. Higher powers upon request.



FEDERAL'S Square Loop FM Antenna—highest gain in the field. Stackable in multiples of 2 up to 12 elements.



FEDERAL'S TV Monitor—Complete facilities for precision testing and checking of audio and video signals.



FEDERAL'S Standard AM Transmitters—Available in ratings of 5 to 50 KW. Conservatively rated circuits engineered for maximum dependability, performance and economy of operation.

FEDERAL ELECTRONIC TUBES FOR BROADCAST AND INDUSTRY

With a background of nearly 40 years of research, development and manufacture in the high powered vacuum tube field, the Federal line of transmitting, rectifier and

industrial tubes, shown in part below, has earned a reputation for consistent performance and long service life.

FOR AM



9C28 and 9C30
Water Cooled



9C29 and 9C31
Forced Air Cooled

Triodes for 50 KW Transmitters

FOR FM



3X2500-A3

Forced Air Cooled Triode
for 10 KW Transmitters



7C26

Forced Air Cooled Triodes for 3 KW Transmitters



8002R

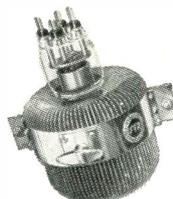
FOR INDUSTRIAL APPLICATIONS



9C23—25 KW
Water Cooled
Power Triode



5666—10 KW
Water Cooled
Power Triode



5667—10 KW
Forced Air Cooled
Power Triode



7C25—2.5 KW
Forced Air Cooled
Power Triode

WRITE FOR COMPLETE DATA ON FEDERAL LINE OF TRANSMITTING, RECTIFIER AND INDUSTRIAL TUBES



Federal Telephone and Radio Corporation



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HI-QUALITY CORES

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For Audio and AM Frequency For FM and TV Frequency

You can Reduce costs

You can Improve performance
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Magnetic Core Corporation

POWDERED IRON CORES

All types and materials
from 1000 c.p.s. to 400 megacycles

MAGNETIC CORE CORPORATION

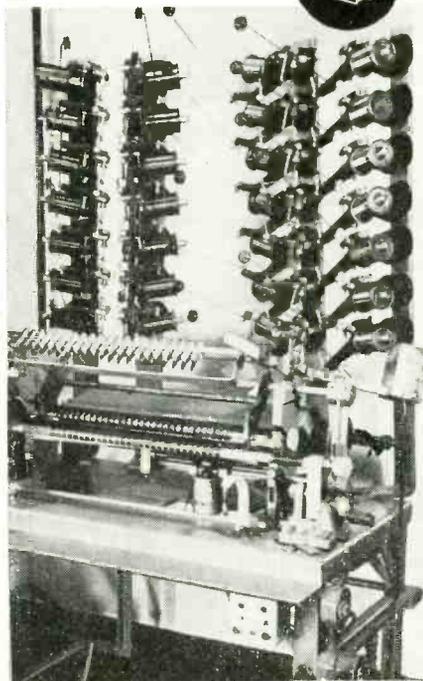
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WIND more COILS faster

WITH YOUR
PRESENT
COIL-WINDING
MACHINE!



— use
PAMARCO
Wire DeReeling Tensions
for PERFECT COILS

Installation of these inexpensive PAMARCO tensions lowers winding costs because each machine will accommodate more coils at higher winding speeds. In addition to increased production, PAMARCO tensions raise production quality. Free-running action practically eliminates wire breakage and shorted turns. Simple thumb screw setting quickly adjusts for any wire gauge. No tools or special skill are needed for operation. For complete data call or write.



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& RESEARCH, INC.**

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ROSELLE, NEW JERSEY

PICKERING PICK-UP CARTRIDGES

- For the utmost in record playing pleasure
- For the greatest length of satisfactory service
- For those who want and demand the highest quality record reproduction, with all of the original modulation, realism and brilliance
- For minimum record wear
- For minimum extraneous and annoying sounds

120 SERIES for transcriptions and lacquer discs

MODEL R-150 for phonograph records

140 SERIES for microgroove records

All Pickering Pick-up Cartridges are available with either a Diamond or Sapphire Stylus. . . . Diamond Styli are good for thousands of playings whereas Sapphire Styli require replacement after a few hundred playings.

Pickering also manufactures Pick-Up Arms, Preamplifiers, Equalizer Amplifiers and Equalizers.

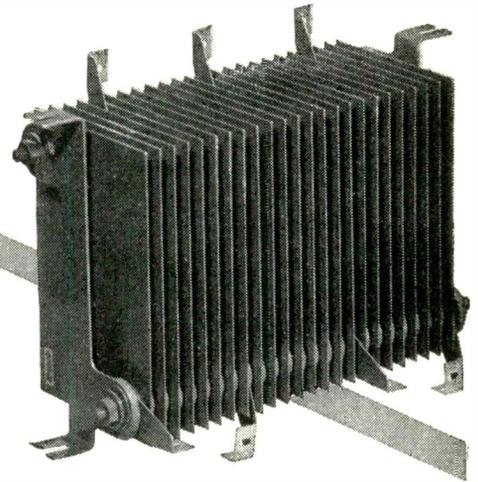
PICKERING & COMPANY

Oceanside, New York

Federal

SELENIUM RECTIFIERS

from Miniatures to Heavy Duty Stacks

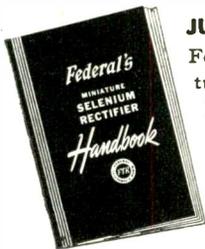


Sizes and types of the Selenium Rectifier have multiplied to meet more and more requirements in almost unlimited fields of application. Federal introduced the Selenium Rectifier in the U. S. and continues to lead in developing and manufacturing this versatile circuit element.

Federal has cooperated with a host of engineers and designers in the development of a complete line of Selenium Rectifiers, ranging from tiny Miniatures to huge Stacks. There is a Federal Selenium Rectifier which will meet practically any power conversion need.

Wherever used, Federal Selenium Rectifiers bring important advantages of dependable power handling . . . instant starting . . . silent, efficient operation . . . long service life.

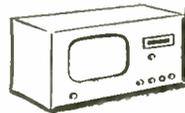
These typical applications may suggest a new use in your own product. A Federal Selenium Rectifier could be the solution to your own power conversion problem. Bring any question to Federal—America's oldest and largest manufacturer of Selenium Rectifiers. Direct your inquiries to Department F-314.



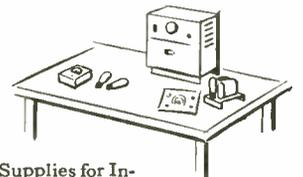
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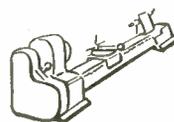


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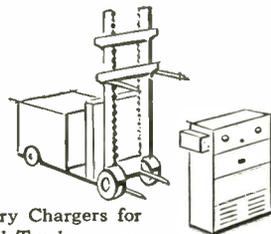
In fans . . . sewing machines . . . electric shavers . . . electronic organs . . . motion picture projectors . . . photoelectric cells.



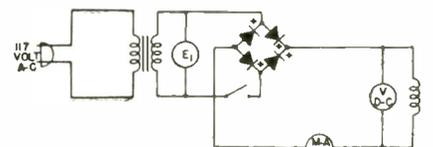
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Federal Telephone and Radio Corporation



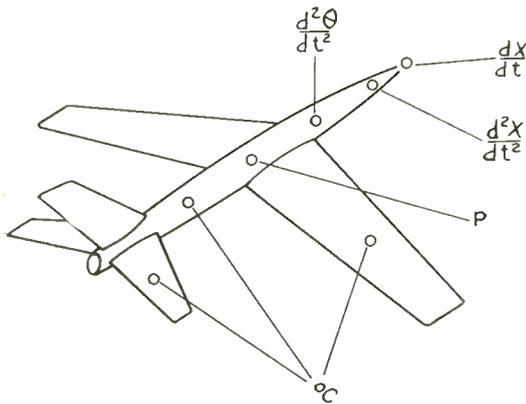
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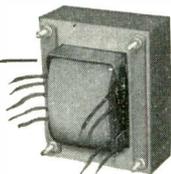
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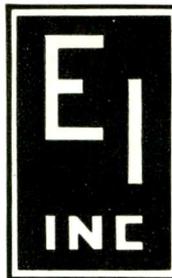
OPEN TYPE—STRAP MOUNTING



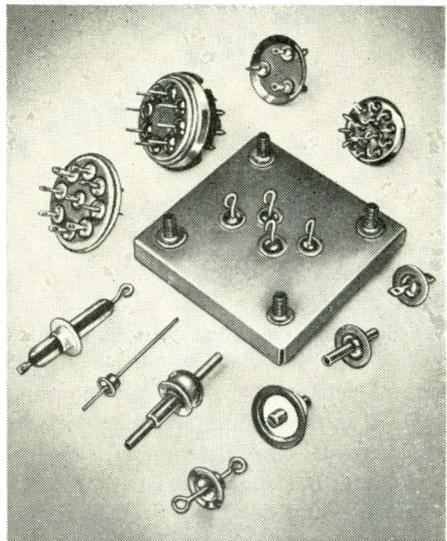
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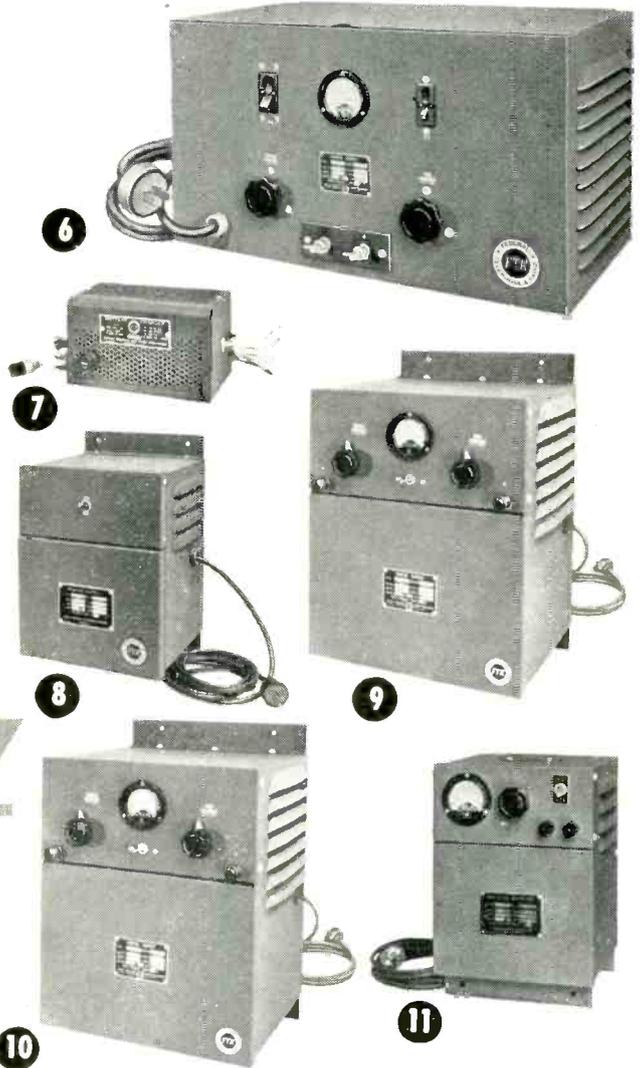
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FEDERAL STANDARD D-C POWER SUPPLIES...

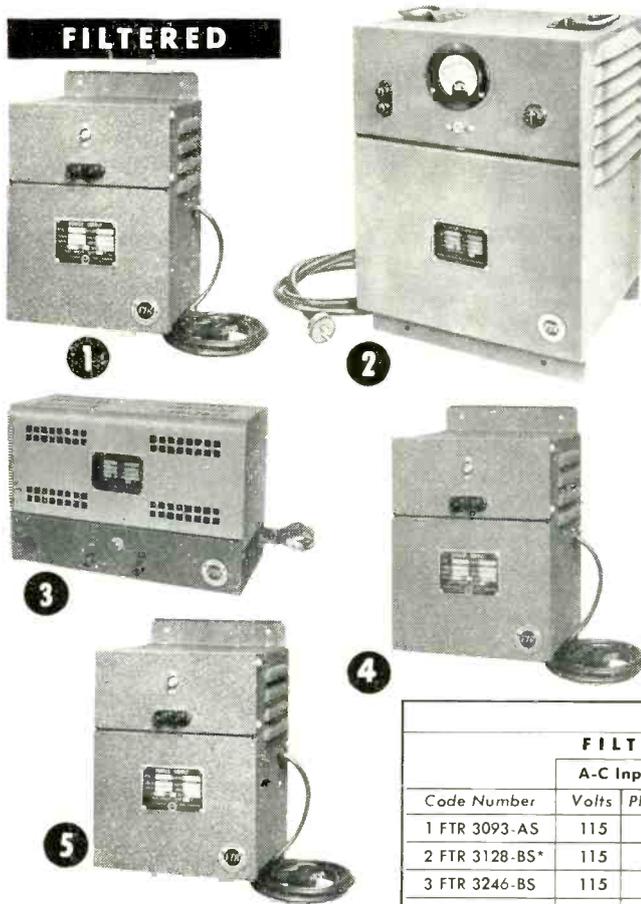
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These Federal standard D-C Power Supplies are now available to meet a wide range of industrial and laboratory requirements for both filtered and unfiltered D-C power. All Federal D-C Power Supplies are powered by Federal long-life Selenium Rectifiers with no expendable parts that demand frequent replacement. Operation is dependable and economical. Federal D-C Power Supplies are conservatively rated. Heavy duty Selenium Rectifiers are able to withstand momentary overloads . . . provide D-C power immediately without heat-up period . . . operate quietly and efficiently with practically no maintenance. For prices and information on other Federal standard D-C Power Supplies, write Department E-414.

UN-FILTERED



FILTERED



RATINGS

FILTERED						UNFILTERED					
Code Number	A-C Input			D-C Output		Code Number	A-C Input			D-C Output	
	Volts	Phase	Cycles	Volts	Amps.		Volts	Phase	Cycles	Volts	Amps.
1 FTR 3093-AS	115	1	60	12	3	6 FTR 3300-DS	115	1	60	2-32	50
2 FTR 3128-BS*	115	1	60	22-30	10	7 FTR 1342-AS	115	1	50/60	6	4
3 FTR 3246-BS	115	1	60	6	10	8 FTR 3341-AS	115	1	50/60	28	5
4 FTR 3138-BS	115	1	60	12	5	9 FTR 3339-BS	115/230	1	50/60	6-24	18
5 FTR 3185-AS	115	1	60	12	7.5	10 FTR 3340-BS	115	1	50/60	5-70	12
*Filtered and regulated						11 FTR 3352-BS	115	1	50/60	5/10	20/10

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BALLANTINE ELECTRONIC VOLTMETERS



The INDICATING METER used on all BALLANTINE VOLTMETERS features a single logarithmic voltage scale and uniform decibel scale. Makes readings especially easy. Accuracy of indication is 2% at any point on the scale.



MODEL 302 PORTABLE ELECTRONIC VOLTMETER.

This Sensitive Electronic Voltmeter is portable and operates from lightweight batteries contained within carrying case. Reads AC voltages from 1 millivolt to 100 volts over frequency range of 5 cycles to 150,000 cycles. Accuracy 2% at any point on scale. Can be used as highly stable amplifier. Input impedance $\frac{1}{2}$ megohm. Especially useful for making measurements on ungrounded or symmetrical circuits. Uses standard Eveready or Burgess batteries. Battery life over 150 hours.

MODEL 300 ELECTRONIC VOLTMETER.

For the precise measurement of AC voltages from 1 millivolt to 100 volts over a frequency range of 10 cycles to 150,000 cycles. Accuracy of voltage readings is within 2%. Output jack and output control provided so that instrument can be used as highly stable amplifier, with 70 DB gain, flat within 2% over entire frequency range. Input impedance is $\frac{1}{2}$ megohm. Special circuits insure permanent and highly accurate calibration, not affected by variation in line voltage or tube replacement. A high quality instrument for laboratory use—note the several accessories listed below which further increase utility of voltmeter.



MODEL 304 R.F. VOLTMETER.

This instrument measures AC voltages over a range of 1 millivolt to 100 volts from 30 cycles to 5.5 megacycles. Probe type input connector attached by a flexible cable provides true indication of voltages at point of origin in circuits. Accuracy of voltmeter readings are within 5%. Input impedance is 1 megohm shunted by 9 mmfds. Can be used as wide-band amplifier. Especially useful for reading millivolts in television and FM intermediate frequency amplifier circuits, RF heating apparatus, carrier current systems and in particular for extending useful frequency range of ordinary oscilloscopes to beyond 5 megacycles.



MODEL 305 PEAK TO PEAK ELECTRONIC VOLTMETER.

The outstanding characteristic of this instrument is its ability to provide absolute indication of transient or pulse voltages of short duration. Reliable indication of pulses a few microseconds wide repeated only 10 times per second is readily obtained with this instrument. The Voltmeter is pre-calibrated, compact, easy to operate and observe. Positive and negative peaks are registered over the range of .001 volt to 1000 volts, peak to peak. Decade ranges and a logarithmic scale output meter are characteristic features, along with a separately available high gain, wide-band amplifier.



MODEL 402A (x 10) and MODEL 402B (x 100) MULTIPLIERS.

Accessories for use with Models 300 and 302 Voltmeters. Model 402A extends upper range of voltmeters from 100 to 1,000 volts. Also increases input impedance of voltmeters to 4 megohms.

Model 402B extends upper range of voltmeters from 100 to 10,000 volts. Also increases input impedance of voltmeters to 40 megohms.



MODEL 220 DECADE AMPLIFIER.

An accessory designed for use with Model 300 and Model 302 Voltmeters to permit the measurement of AC voltages below one millivolt. A highly stable amplifier giving accurately standardized gains of 10x or 100x over a frequency range of 10 to 100,000 cycles. When used with Ballantine Voltmeters, AC voltages down to 0.00001 volt (10 microvolts) can be measured. Calibrated gain is independent of battery voltage, circuit constants and tubes, within 2%. Operates from standard Eveready or Burgess batteries contained within its case. Average battery life over 150 hours.

TECHNICAL BULLETIN IS AVAILABLE COMPLETELY DESCRIBING ABOVE INSTRUMENTS

BALLANTINE LABORATORIES, INC.
BOONTON, NEW JERSEY, U. S. A.

FOR EVERY HF TRANSMISSION LINE REQUIREMENT —

It's FEDERAL

Pioneer and Leader in Cable Development and Manufacture



K-111



TV-59



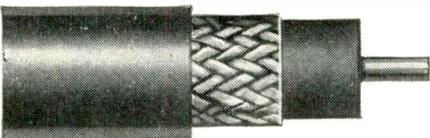
K-109



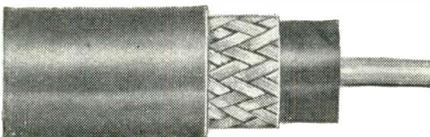
K-45



K-49



K-12



K-14

FEDERAL—America's largest manufacturer of solid dielectric high frequency cables.

Production facilities are only a part of the story behind that reputation. A continuing program of research, development and improvement—close cooperation between manufacturer and user—rigid quality control—efficient production with resultant price advantage—all these and more play an important part in maintaining Federal's leadership in the field of HF transmission.

You can rely on these Federal standards of superiority to give you a better cable for every application. They include—

- **HF and VHF Transmitting and Receiving Cables**—for broadcast; communications; radar; experimental; amateur.
- **Special Application Cables**—delay lines; pulse cables; low capacitance cables; high-power cables; precisely balanced cables.
- **Aviation Cables**—aircraft static precipitation antenna cable; armored and other aircraft cables.
- **Radio and Television Lead-In Cables**—Federal K-111 shielded, 300-ohm TV lead-in; TV-59 low-cost, low-loss FM and TV 72-ohm lead-in; K-1046 300-ohm unshielded ribbon-type lead-in; KT-51 balanced line for TV network extension.

Federal cable engineers will assist you in selecting the proper cable from Federal's many types to meet your requirement. Write to Dept. D-214.

CHARACTERISTICS OF A FEW TYPICAL FEDERAL CABLES

Type Number	Application	Characteristic Impedance Ohms	Capacitance MMF per foot	Attenuation DB per 100 feet FREQUENCY in Mc			Outer Diameter Inches
				30	100	300	
K-111	TV Lead-in Shielded	300	4.0	2.0	3.5	6.1	.490 x .300
TV-59	TV Lead-in Coaxial	72	22	2.0	4.0	7.0	.250
K-109	Auto Antenna Lead-in	150	8.0	5.2	8.3	12.5	.282
K-45 (RG8/u)	H-F Coaxial	52	29	1.0	2.1	4.2	.415
K-49 (RG11/u)	H-F Coaxial	75	20	.90	1.9	3.8	.415
K-12 (RG17/u)	R-F Power Cable	52	29	.42	.83	1.7	.885
K-14	R-F Power Cable	71	21	.46	.93	1.9	.885



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can fill your needs . . . if you require units designed to your own specifications.

There are over 400 models of high-precision instrument-type Elinco motors and generators, from 1/6 to 1/1200 H.P. A basic unit may fit your requirements, or can be varied, electrically or physically to meet your needs . . . or we will design an entirely new model. Write for literature, or submit blueprints for our recommendations and quotation. Remember, all Elinco units are specially designed; they are precision instruments—not low-cost mass production types.

THREE - SPEED SYNCHRONOUS

MODEL GH371 HYSTERESIS TYPE



Operation is switch-controlled (or can be relay-controlled) providing for Clockwise or Counter-Clockwise rotation; not only reversible while running, but can also change from one speed forward to a different speed reverse. Rated at 1/100, 1/60, and 1/40 h.p., respectively, at 900, 1800, and 3600 r.p.m. Operates from 115 v., 60 cy., single-phase A.C. Ruggedly constructed, finished in light blue mottletone. Dimensions of motor are 4-5/8" in diameter and 5-7/8" in length, excluding shaft. Price: Model GH 371, complete unit, including motor, control box, line cord, wired and ready to use, \$80.

COMPLETE LITERATURE AVAILABLE:

CATALOG NO. 43: Describes A.C. Voltage and Sine-Wave Generators in BS, FS and FB frames; D.C. Motors and Voltage Generators in B, F, CB and FB frames; Drag-Cup Motors and Induction Generators in B and F frames; Self-Synchronous Units in B, F, FB and J frames.

BULLETIN NO. 45: Describes Midget Induction and Synchronous units (not including Hysteresis types) in BS, FS and FBS frames. Ratings range from 1/200 to 1/1000 H.P.

BULLETIN NO. 46: Describes A.C. and Sine-Wave Generators in ASP and ALP frames; D.C. Motors and Generators, series, shunt, separately-excited and permanent-magnet fields in ASC and ALC frames; Induction and Synchronous Motors (not including Hysteresis types) from 1/20 to 1/250 H.P. in ASP, ALP, ASPs or ALPS frames . . . single-value capacitor, split-phase, two and three-phase units; Governor-Controlled Constant-Speed Motors in D.C. shunt, series, or permanent-magnet field, and A.C. or Universal series Motors.

BULLETIN NO. 47: Describes Induction and Synchronous Motors (not including Hysteresis types) from 1/6 to 1/90 H.P. in G frame; Single-, two-, and three-phase A.C. Generators, bi-polar or multi-polar with permanent-magnet fields in G frame.

CATALOG "FB": Describes units in FB frame: Permanent-Magnet A.C. and D.C. Generators and D.C. motors; Shunt and Series Wound Motors and Generators; Split-Field Series Motors for A.C. and D.C.; Split-Field Separately-Excited Motors for servo applications; Universal Motors.

BULLETIN NO. 49A: Describes Hysteresis Motors, Synchronous, Sub-Synchronous, and Dual-Speed Synchronous, as well as Model GH-371 Three-Speed Hysteresis Motor. Total of 20 basic units are described, in AH, GH, FSH and BSH frames; ratings from 1/13 to 1/1200 H.P.

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STAMFORD, CONNECTICUT, U. S. A.

Insulation Manufacturers Corporation

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Acetate, Cellulose

Sheets, rolls, and slit coils, Kodapak

Adhesive Tapes

(with adhesive on one side)

Permacel 20 cloth electrical tapes

(formerly Jonflex)

Permacel 24 acetate cloth electrical tapes

Permacel 25 acetate film electrical tapes

Texcel (Cellophane) transparent adhesive tapes

Vartex varnished cambric adhesive tapes

Asbestos

Asbestos woven listing tapes and sleeveings, Imcor; papers and paper electrical tapes, Imcor

Bakelite, Laminated, Phenolite

Paper, linen and canvas base laminated sheets

Woven glass and asbestos base laminated sheets

Laminated Bakelite rods and tubes

Fabricated parts made from sheets, rods, tubes

Compounds, Pedigree Insulating

Impregnating, sealing, and filling compounds

Cotton Tapes, Sleeveings, and Twines

Untreated cotton tapes, staybindings, webbings and tying tapes, Imcor

Untreated cotton sleeveings, all standard colors, Imcor

Varnished cambric tapes (bias and straight cut), Vartex

Varnished and saturated tubings and sleeveings, Dieflex

Cotton armature twines, Imcor

End Laminations, Automotive, Inmanco

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Fishpaper and hard fibre sheets, rolls and slit coils

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Rogers fibre Rofico boards

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Varnished woven glass cloth and tapes, Vartex

Varnished braided glass tubings and saturated sleeveings, Dieflex

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Mica-glass flexible sheets and tapes, Macallen

Woven-glass base laminated sheet Bakelite

Silicone-coated woven glass cloth

Mica Products, Macallen Compressed Sheet

Moulding and segment mica plates for commutators

Flexible mica plate for cold forming or moulding

Mica tubes, bushings and sleeves

Punched and moulded mica segments, V-rings, and slot cells

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Glass-mica combinations in sheets, rolls, or tapes

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Insulation Manufacturers Corporation is the distributor in the industrial Midwest for products of the manufacturers listed below. A staff of insulation specialists will be glad to help you apply these materials efficiently to solve your insulation problems. Complete fabricating facilities are available to aid in adapting insulation materials to your own design and production requirements. Write or phone your nearest I.M.C. representative for more information.

Varnished papers, Vartex

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Extruded plastic tubings, Vartex

Resinous tapes and sheets, Vartex

Ethocel sheeting

Silicones, Dow-Corning

Silicone—resin insulating varnishes

Silicone-Treated Varnished Tubings and Sleeveings, Dieflex

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Vartex type 128 varnished cloth (silk replacement)

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Varnished Products and Combinations,

Vartex

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Varnished papers

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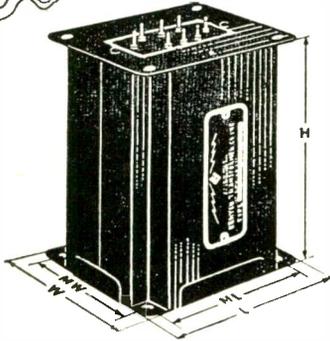
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Insulating Papers
AND OTHER OUTSTANDING
MANUFACTURERS



KENYON "T" LINE TRANSFORMERS

DIMENSIONS OF "T" LINE TRANSFORMERS



MOUNTING DIMENSIONS			OVERALL DIMENSIONS		
Case No.	ML	MW	Length (L)	Width (W)	Height (H)
1A	2 1/8"	1 1/8"	2 1/8"	2"	2 7/8"
2A	2 1/8"	1 1/8"	2 3/4"	2 3/8"	3 1/8"
3A	2 1/8"	1 1/8"	3 1/4"	2 1/8"	3 3/8"
4A	2 3/8"	2 1/8"	4 1/2"	3"	3 7/8"
5A	4 1/8"	3 1/8"	5"	3 7/8"	5"
5 1/2 A	4 1/8"	3 1/8"	5"	4 1/2"	5"
6A	4 1/8"	4 1/2"	5"	5 1/8"	5"
7A	5 1/8"	4 1/8"	6 1/8"	5 1/8"	6 3/8"
8A	5 1/8"	4 1/8"	6 1/8"	5 1/8"	7 1/8"
9A	6 1/8"	5 1/8"	7 1/8"	6 3/8"	7 3/8"
10A	8 3/8"	7 1/8"	9 1/2"	8 1/4"	10 3/8"

LOW IMPEDANCE SOURCE TO GRID TRANSFORMERS

Type No.	From	Primary Ohms	Secondary Ohms	Case No.	Weight	List Price
T-2 (Hum bucking type)	Any line	500-333-250-200-125-50	80,000 Single Grid	1A	1 lb. 1 oz.	\$9.20
T-3 (Hum bucking type)	Any line	500-333-250-200-125-50	80,000 P. P. Grids	1A	1 lb. 1 oz.	9.50

LINE-TRANSFORMERS—LINE TO LINE AND LINE TO VOICE COIL

Type No.	Primary Ohms	Secondary Ohms	Maximum Level	Case No.	Weight	List Price
T-26 (Hum bucking type)	500-333-250-200-125-50	500-333-250-200-125-50	+24 D.B.	1A	1 lb. 1 oz.	\$8.40
T-28	500-200	15-8-4	30 watts	4A	5 lbs. 10 ozs.	13.95

KEN-O-TAP UNIVERSAL DRIVER TRANSFORMERS

500 Ohm Line to any Class B Grids Primary to Secondary Ratio Variable from 1:13.3 to 1: .7

Type	Power Rating	Case No.	Weight	List Price
T-261	7 Watts	3A	2 lbs. 12 oz.	\$11.25
T-262	18 Watts	4A	5 lbs. 4 oz.	14.80

Any Line or Single or Push-Pull Plates to Class B Grids Primary to 1/2 Secondary Ratio Variable from 7.0:1 to 1:9.0

Type	Audio Rating	Case Size	Max. Pri. D.C.	Max. Sec. D.C.	Weight	List Price
T-264	7 Watts	3A	100 MA	100 MA	2 lbs. 12 oz.	\$11.40
T-263	18 Watts	4A	200 MA	200 MA	5 lbs. 12 oz.	17.10

PREAMPLIFIER OUTPUT TRANSFORMERS

Type No.	From	Secondary Ohms	Case No.	Weight	List Price
T-101	Single 56, 76, 6C5	200-500	1A	1 lb. 4 ozs.	\$6.55
T-102	P.P. 56, 76, 6C5	200-500	1A	1 lb. 4 ozs.	7.00

OUTPUT TRANSFORMERS TO 500-200 OR 15-8-4 OHMS

Type No.	From	Primary Ohms	Case No.	Weight	List Price
T-104	Single 2A5, 6F6, 42, 47, 89	7,000	2A	1 lb. 14 ozs.	\$8.80
T-105	Class "A," P.P. 2A5's, 6F6's, 42's, 47's, 89's	14,000	2A	2 lbs.	9.55
T-317	Class "AB" P.P. 6L6's	6,600 or 3,800	4A	5 lbs. 6 ozs.	15.70
T-319	Class "AB2" P.P. 6L6's	6,000 or 3,800	5A	8 lbs. 7 ozs.	19.90
T-301	Class "A," P.P. 6L6's, Class AB 45's, 2A3's	5,000 or 3,000	4A	4 lbs. 5 ozs.	14.10

KEN-O-DYNE UNIVERSAL OUTPUT TRANSFORMERS

Type No.	Case No.	Weight	List Price	
T-108	3A	2 lbs. 13 ozs.	\$10.80	Will match any set of Push-Pull or Push-Pull Parallel or a single plate to 500-200 or speaker voice-coils. Low impedance connection for speaker voice coils range from .5 to 25 ohms.
T-109	4A	5 lbs. 2 ozs.	15.20	
T-110	5A	10 lbs. 1 oz.	20.40	

KEN-O-TAP MODULATION TRANSFORMERS

Type No.	Audio Watts	Class C W. Sec.	Max. Pri. D.C.	Max. Sec. D.C.	Max. D.C. Volatge	Primary Range Ohms	Secondary Range Ohms	Case No.	Weight	List Price
T-489	15	30	120	120	600	2000-20000	200-20000	3A	2 lbs. 13 oz.	\$10.30
T-493	40	80	250	250	750	2000-20000	200-20000	4A	5 lbs. 10 oz.	14.95
T-494	75	150	250	300	1250	2000-20000	200-20000	5A	9 lbs.	20.30
T-441	125	250	250	250	1500	2000-20000	200-20000	6A	15 lbs. 8 oz.	28.20
T-495	125	250	200	250	2000	500-18000	200-19000	7A	19 lbs. 2 oz.	54.20
T-496	300	600	250	300	2500	500-18000	200-19000	8A	26 lbs. 4 oz.	63.00
T-442	600	1200	400	400	3000	500-18000	200-19000	9A	45 lbs.	70.50

PLATE TRANSFORMERS DESIGNED FOR INTERMITTENT DUTY ONLY

(55°C. RISE—15 Minutes On, 15 Minutes Off)

Type No.	Secondary Voltage	D.C. Volts	D.C., M A	Case No.	Weight	List Price
T-668	1000/750-0-750/1000	600/800	250	5 1/2 A	12 lbs., 6 oz.	\$24.40
T-669	1460/1180-0-1180/1460	1000/1250	300	7A	19 lbs., 2 oz.	36.50
T-670	2360/2080/1760-0-1760/2080/2360	1500/1750/2000	270	8A	31 lbs., 9 oz.	51.90
T-671	1460/1180-0-1180/1460	1000/1250	450	8A	31 lbs., 9 oz.	50.25

PLATE TRANSFORMERS DESIGNED FOR BOTH CONTINUOUS AND INTERMITTENT DUTY

Type No.	Primary Conn.	Voltage Secondary No. 1		55°C. Rise MA Cont.	55°C. Rise 15 Min. On 15 Min. Off MA Int.	Case No.	Weight	List Price
		D.C.	A.C.					
T-664		600	740-0-740	150	200	5A	10 lbs., 10 oz.	\$19.55
T-655	High Low	450 350	575-0-575 460-0-460	— 250	340 375	5A	10 lbs., 1 oz.	20.60
T-656	High Low	750 600	925-0-925 740-0-740	— 270	320 360	6A	15 lbs., 9 oz.	31.60
T-665	High Low	1250 1000	1470-0-1470 1180-0-1180	— 200	270 300	7A	23 lbs., 4 oz.	47.50
T-663		2000	2360-0-2360	350	500	10A	82 lbs.	117.00
T-673	High Low	3000 2500	3400-0-3400 2840-0-2840	— 425	400 500	10A	82 lbs.	121.00
T-674	High Low	3000 2500	3400-0-3400 2840-0-2840	— 850	800 1000	Spec.	135 lbs.	170.00

FILTER REACTORS

Type No.	Inductance At Rated D.C.	Rated D.C. MA	D.C. Resistance	Insulation test R.M.S.	Case No.	Weight	List Price
T-157	10	50	200	1500	1A	1 lb., 4 oz.	\$5.15
T-153	20	90	360	1500	3A	2 lbs., 12 oz.	7.55
T-154	12.5	165	220	1500	3A	3 lbs., 2 oz.	8.60
T-151	7.5	250	100	1500	4A	5 lbs., 10 oz.	11.80
T-152	7	200	140	1500	3A	2 lbs., 13 oz.	8.15
T-166	10	300	120	1500	5A	10 lbs., 1 oz.	17.40
T-165	10	150	260	3000	3A	3 lbs., 2 oz.	8.60
T-160	11	300	120	3000	5A	10 lbs., 1 oz.	17.40
T-176	10	300	103	5000	5A	10 lbs., 11 oz.	19.30
T-177	11	500	90	5000	7A	21 lbs., 1 oz.	37.40

SWINGING REACTORS

Type No.	Inductance At Rated D.C.	Rated D.C. MA	D.C. Resistance	Insulation test R.M.S.	Case No.	Weight	List Price
T-506	4/16	200/30	140	1500	3A	2 lbs., 13 oz.	\$8.15
T-501	5/15	250/30	100	1500	4A	5 lbs., 10 oz.	11.80
T-510	6/20	300/30	120	1500	5A	10 lbs., 1 oz.	17.40
T-512	6/22	300/30	103	5000	5A	10 lbs., 1 oz.	17.40
T-521	6/26	500/60	90	5000	7A	21 lbs., 1 oz.	37.40
T-516	6/22	400/50	70	3000	6A	15 lbs., 9 oz.	26.50

PLATE AND FILAMENT TRANSFORMERS

Type No.	High Voltage—Volts	MA.	Filament No. 1 Amps	Filament No. 2 Amps	Filament No. 3 Amps	Filament No. 4 Amps	Case No.	Weight	List Price
T-245*	320-0-320	40	5	2	6.3 C.T.	2	3A	2 lbs. 13 ozs.	\$11.20
T-205*	350-0-350	75	5	2	6.3 C.T.	3	4A	5 lbs. 10 ozs.	15.60
T-222*	250-0-250	50	5	2	6.3 C.T.	2	3A	2 lbs. 13 ozs.	10.70
T-206*	325-0-325	100	5	3	6.3 C.T.	3	5A	9 lbs.	21.20
T-212	420-0-420	125	5	3	6.3 C.T.	3	5A	9 lbs. 2 ozs.	21.30
T-244*	425-0-425	165	5	3	6.3 C.T.	3	6A	13 lbs. 11 ozs.	27.10
T-213	520-110-0-520	180	5	3	2.5	3	5A	10 lbs. 6 ozs.	25.10
T-216	520-85-0-520	250	5	3	2.5 C.T.	3	6A	15 lbs. 9 ozs.	32.00
T-246	625-0-625	250	5	3	6.3 C.T.	3	6A	15 lbs. 9 ozs.	30.60
T-223	600-0-600	300	5	6	6.3 C.T.	3	6A	15 lbs. 9 ozs.	31.00

*Indicates unit designed for condenser input. All other units should be used choke input. If used with condenser input, the D.C. current rating of these items should be reduced to 70% of that specified.

POWER LINE AUTO TRANSFORMERS

Type No.	Input	Output	Capacity Volt-Amperes	Case No.	Weight	List Price
T-219	88 to 130 volts	115 volts	500	5A	10 lbs. 1 oz.	\$23.50

All power transformers are designed for 115 volt, 50 to 60 cycle operation. For any other voltage, 50 to 60 cycle operation add 25% to list prices. For 115 volt, 25 cycle operation, add 60% to list prices. For any other voltage 25 cycle operation add 100% to list prices. Case sizes for 25 cycle application are different from those specified for standard 115 volt, 50 to 60 cycle operation.

FILAMENT TRANSFORMERS—SINGLE WINDING

Type No.	Filament	Test	Case No.	Weight	List Price
T-388	2.5, 5, 6.3 V.-3A	1000 V. Test	1A	1 lb. 7 ozs.	\$6.85
T-379	2.5 V.-5 A. CT.	2000 V. Test	1A	1 lb. 6 ozs.	6.25
T-352	2.5 V.-10 A. CT.	2000 V. Test	2A	1 lb. 14 ozs.	7.50
T-360	2.5 V.-10 A. CT.	5000 V. Test	3A	2 lbs. 13 ozs.	9.20
T-389	2.5 V.-10 A. CT.	9000 V. Test	4A	4 lbs. 14 ozs.	13.15
T-390	5 V.-20 A. CT.	10000 V. Test	5 1/2 A	11 lbs. 9 ozs.	21.20
T-382	5, 5.1, 5.25 V.-16 A. CT.	2000 V. Test	1A	5 lbs. 10 ozs.	14.80
T-351	6.3 V.-3 A. CT.	2000 V. Test	2A	1 lb. 14 ozs.	7.15
T-378	6.3, 7.5 V.-7 A. CT.	2000 V. Test	3A	2 lbs. 13 ozs.	9.50
T-387	6.3, 6.45, 6.6 V.-8 A. CT.	2000 V. Test	3A	2 lbs. 13 ozs.	9.85
T-361	10 V.-8 A. CT.	5000 V. Test	4A	5 lbs. 10 ozs.	14.10
T-385	10, 10.5, 11 V.-10 A. CT.	2000 V. Test	5A	8 lbs. 15 ozs.	19.30

TWO WINDINGS

T-386	6.3 V.-3 A. CT.	2000 V. Test	5 V.-4 A. CT.	2000 V. Test	3A	2 lbs. 13 ozs.	\$10.30
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We have a great number of other transformers, not listed herein.
Write for Our Complete Catalog. Address Dept. BG

KENYON TRANSFORMER CO., Inc.

840 BARRY STREET
NEW YORK, U. S. A.

PRICES AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Magnetic Materials

The Arnold Engineering Company
offers to the trade a complete line of
Magnetic Materials



PERMANENT MAGNET MATERIALS

- Cast Magnets, Alnico I, II, III, IV, V, VI, XII, X-900
 - Sintered Magnets, Alnico II, IV, V, VI, X-900, Remalloy*
 - Vicalloy* • Remalloy* (Comol)
 - Cunico • Cunife • Cast Cobalt Magnet Steel

HIGH PERMEABILITY MATERIALS

- Deltamax Toroidal Cores • Supermalloy* Toroidal Cores
 - Powdered Molybdenum Permalloy* Toroidal Cores • Permendur*

*Manufactured under licensing arrangements with WESTERN ELECTRIC COMPANY

Write for information relating to any of these Magnetic Materials



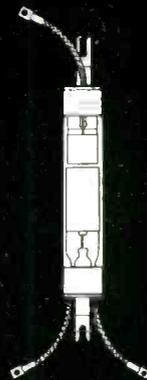
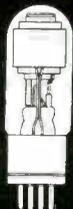
THE ARNOLD ENGINEERING COMPANY

SUBSIDIARY OF ALLEGHENY LUDLUM STEEL CORPORATION

147 EAST ONTARIO STREET, CHICAGO 11, ILLINOIS

"EL" XENON GAS-FILLED TUBES

RECTIFIERS



**FULL WAVE RECTIFIER
EL 1C**

D.C. Output (Amps.) 1.0
Peak Anode Current 4.0
Peak Inverse Volts... 725
Filament Volts 2.5
Filament Amperes 6.0
Overall Length 5½"

**FULL WAVE RECTIFIER
EL 3C**

D.C. Output (Amps.) 2.5
Peak Anode Current 10.0
Peak Inverse Volts... 725
Filament Volts 2.5
Filament Amperes 11.5
Overall Length 7"

**FULL WAVE RECTIFIER
EL 6C**

D.C. Output (Amps.) 6.4
Peak Anode Current 25.6
Peak Inverse Volts... 725
Filament Volts 2.5
Filament Amperes 17.0
Overall Length 7½"

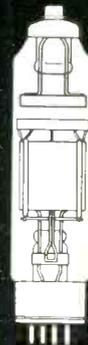
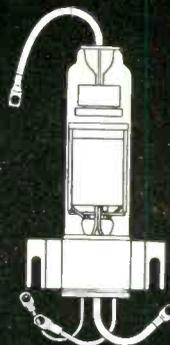
**HALF WAVE RECTIFIER
EL 6B**

D.C. Output (Amps.) 6.4
Peak Anode Current 40.0
Peak Inverse Volts... 920
Filament Volts 2.5
Filament Amperes 21
Overall Length 9½"

**HALF WAVE RECTIFIER
EL 16F**

D.C. Output (Amps.) 16.0
Peak Anode Current 96.0
Peak Inverse Volts... 620
Filament Volts 2.5
Filament Amperes 36
Overall Length 15½"

GRID CONTROL RECTIFIERS (THYRATRONS)



EL C1J

D.C. Output (Amps.) 1.0
Peak Anode Current 8.0
Peak Forward Volts... 450
Peak Inverse Volts... 700
Filament Volts 2.5
Filament Amperes 6.3
Overall Length 4¼"

EL C3J

D.C. Output (Amps.) 2.5
Peak Anode Current 30.0
Peak Forward Volts... 750
Peak Inverse Volts... 1250
Filament Volts 2.5
Filament Amperes 9.0
Overall Length 6½"

EL C6J

D.C. Output (Amps.) 6.4
Peak Anode Current 77.0
Peak Forward Volts... 750
Peak Inverse Volts... 1250
Filament Volts 2.5
Filament Amperes 21.0
Overall Length 9"

EL C16J

D.C. Output (Amps.) 16.0
Peak Anode Current 160.0
Peak Forward Volts 1000
Peak Inverse Volts... 1250
Filament Volts 2.5
Filament Amperes 31.0
Overall Length 10"

EL C6C

D.C. Output (Amps.) 6.4
Peak Anode Current 77.0
Peak Forward Volts 2000
Peak Inverse Volts... 4000
Filament Volts 2.5
Filament Amperes 24.0
Overall Length 11"

EL C1J/A

D.C. Output (Amps.) 1.0
Peak Anode Current 8.0
Peak Forward Volts... 750
Peak Inverse Volts... 1250
Filament Volts 2.5
Filament Amperes 6.3
Overall Length 4¼"

EL C3J/A

D.C. Output (Amps.) 2.5
Peak Anode Current 30.0
Peak Forward Volts... 1000
Peak Inverse Volts... 1250
Filament Volts 2.5
Filament Amperes 9.0
Overall Length 6½"

EL C6J/A

D.C. Output (Amps.) 6.4
Peak Anode Current 77.0
Peak Forward Volts 1000
Peak Inverse Volts... 1250
Filament Volts 2.5
Filament Amperes 21.0
Overall Length 9"

SEND FOR
DESCRIPTIVE CATALOG

ELECTRONS, INCORPORATED
127 SUSSEX AVENUE
NEWARK, N. J.

There's a
POWERSTAT
VARIABLE TRANSFORMER
for *Your* application

PROTECT THE INVESTMENT IN YOUR EQUIPMENT

Recent advances in the electrical field have made more critical the need for precise voltage control equipment designed to protect and to operate highly sensitive and expensive apparatus. Whether the application involves the control of light, heat, sound, power or electronic equipment, there's a POWERSTAT variable transformer to suit every requirement.

STANDARD POWERSTAT VARIABLE TRANSFORMERS



TYPE 116



TYPE 1126



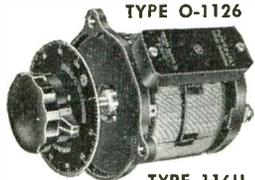
TYPE 20



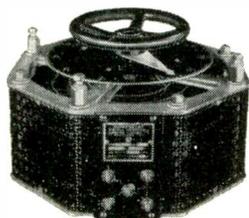
TYPE O-1126



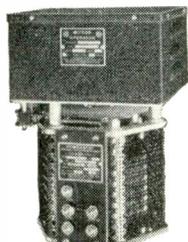
TYPE 2PF1126



TYPE 116U



TYPE 1256



TYPE MZ1226

POWERSTAT Variable Transformers

are auto-transformers of toroidal core design, with a movably brush-tap which rotates to deliver a continuously-adjustable output voltage from a-c power lines. Into each POWERSTAT are incorporated superior qualities of top electrical performance, rugged mechanical construction, compact design and durability. POWERSTATS feature zero waveform distortion, excellent regulation, conservative ratings, standard mountings, smooth control and high efficiency. POWERSTATS are available with motor drives for pushbutton remote control, or for use with automatic controllers. A variety of motor speeds is offered.

WRITE FOR COMPLETE
INFORMATION
4000 MEADOW STREET
BRISTOL, CONNECTICUT

Line Voltage	Output Voltage	Maximum Output Amperes	Output KVA	Frequency	Type	
Single Phase						
115	0-135	3.0	0.4	*60	20	
	0-135	7.5	1.0	50/60	116	
	0-135	15.0	2.0	50/60	1126	
	0-135	30.0	4.0	50/60	1126-2P	
	0-135	45.0	6.1	50/60	1156	
	0-135	90.0	12.1	50/60	1156-2P	
	0-135	135.0	18.2	50/60	1156-3P	
	0-135	180.0	24.3	50/60	1156-4P	
	0-135	270.0	36.4	50/60	1156-6P	
	0-270	3.0	0.35	50/60	216	
	0-270	9.0	1.05	50/60	1226	
	0-270	28.0	3.27	50/60	1256	
	230	0-270	3.0	0.81	50/60	216
		0-270	7.5	2.0	50/60	116-2S
0-270		9.0	2.4	50/60	1226	
0-270		15.0	4.0	50/60	1125-2S	
0-270		28.0	7.5	50/60	1256	
0-270		45.0	12.1	50/60	1156-2S	
0-270		56.0	15.1	50/60	1256-2P	
0-270		84.0	22.7	50/60	1256-3P	
0-270		112.0	30.2	50/60	1256-4P	
0-270		168.0	45.0	50/60	1256-6P	
0-540		3.0	0.7	50/60	216-2S	
0-540		9.0	2.1	50/60	1226-2S	
0-540		28.0	6.5	50/60	1256-2S	
440		0-515	3.0	1.5	50/60	216-2S
	0-515	9.0	4.6	50/60	1226-2S	
	0-515	28.0	14.4	50/60	1256-2S	
	0-515	56.0	28.8	50/60	1256-4PS	
	0-515	84.0	43.2	50/60	1256-6PS	
Three Phase						
115	0-135	3.0	0.7	*60	20-2D	
	0-135	7.5	1.8	50/60	116-2D	
	0-135	15.0	3.5	50/60	1126-2D	
	0-135	45.0	10.5	50/60	1156-2D	
	0-135	90.0	21.0	50/60	1156-4D	
	0-135	135.0	31.6	50/60	1156-6D	
	0-270	3.0	0.6	50/60	216-2D	
	0-270	9.0	1.8	50/60	1226-2D	
	0-270	28.0	5.7	50/60	1256-2D	
	230	0-230	3.0	1.2	*60	20L-3Y
		0-270	3.0	1.4	50/60	216-2D
		0-270	7.5	3.5	*60	116-3Y
		0-270	9.0	4.2	50/60	1226-2D
		0-270	15.0	7.0	*60	1126-3Y
0-270		28.0	13.1	50/60	1256-2D	
0-230		45.0	17.9	50/60	1156L-3Y	
0-270		56.0	26.2	50/60	1256-4D	
0-270		84.0	39.3	50/60	1256-6D	
0-230		90.0	35.8	50/60	1156L-6Y	
0-540		3.0	1.2	*60	216-3Y	
0-540		9.0	3.6	*60	1226-3Y	
0-540		28.0	11.3	*60	1256-3Y	
440		0-515	3.0	2.7	*60	216-3Y
	0-515	9.0	8.0	*60	1226-3Y	
	0-515	28.0	25.0	*60	1256-3Y	
	0-515	56.0	50.0	*60	1256-6Y	

OIL-COOLED POWERSTATS

115	135	15.0	2.0	50/60	0-116
		30.0	4.0	50/60	0-1126
230	270	6.0	1.6	50/60	0-216
		18.0	4.8	50/60	0-1226

*When these POWERSTATS are "L" connected so that output does not exceed applied voltage, frequency range is 50/60 cycles.

THE SUPERIOR ELECTRIC CO.
BRISTOL, CONNECTICUT



POWERSTAT VARIABLE TRANSFORMERS • VOLTBOX A-C POWER SUPPLIES • STABLINE VOLTAGE REGULATORS

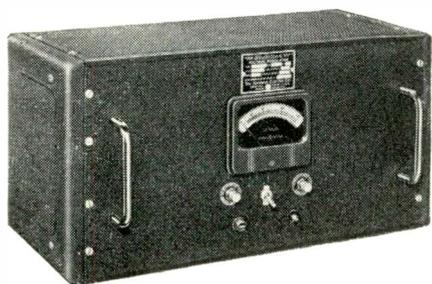
STABILINE AUTOMATIC VOLTAGE REGULATORS

DELIVER CONSTANT OUTPUT VOLTAGE REGARDLESS OF VARIATIONS IN INPUT VOLTAGE OR LOAD CURRENT

Two types of automatic voltage regulators are built by The Superior Electric Company. Type EM (electromechanical) is designed to maintain constant output voltage to large loads or as a means of obtaining a constant output voltage with zero waveform distortion. Type IE (instantaneous electronic) gives instant correction; has no moving parts and is completely electronic in operation.



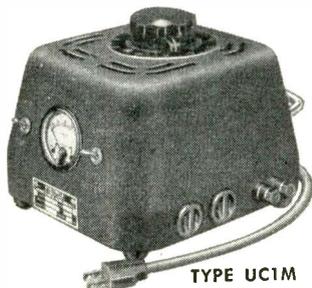
TYPE IE51002
(Portable)



TYPE EM4102

Because of differences in basic design, it's possible to order a STABILINE voltage regulator to meet the requirements of any problem in voltage regulation. If you have a particular problem, write The Superior Electric Company. Our staff of voltage control engineers is available for consultation — at no obligation to you. It's through this engineering service that we can best serve you; that we can design and build voltage control equipment second to none in the electrical industry.

VOLTBOX A-C POWER SUPPLIES: Compact, portable sources of variable a-c voltage for use in laboratory, inspection and maintenance sections and in transmitter work-rooms. Two types available: UC1M — 115V, 50/60 cycle, 1 phase, output 0-135V, 7.5 amps, 1KVA, UC2M — 230V, 50/60 cycle, 1 phase, output 0-270V, 3.0 amps. 810VA.



TYPE UC1M

WRITE FOR COMPLETE INFORMATION
4000 MEADOW STREET
BRISTOL, CONNECTICUT

INSTANTANEOUS ELECTRONIC STABILINES

Completely electronic voltage regulators, instantaneous in action; no moving parts; waveform distortion *never* exceeds 3%; output voltage is stable within $\pm .1$ of 1% for wide line variations. Available in cabinet, portable or rack-mounting models.

RATINGS

Input Voltage Range	Output Voltage Range	Frequency in Cycles	Load Range in Amperes	Load Power Factor Range	Rated Output KVA	Type
95-135	110-120	60 \pm 10%	0-2.2	.5 lagging	0.25	IE51002
95-135	110-120	60 \pm 10%	0-4.4		0.5	IE51005
95-135	110-120	60 \pm 10%	0-8.5	to	1.0	IE5101
95-135	110-120	60 \pm 10%	0-43.5		5.0	IE5105
195-255	220-240	60 \pm 10%	0-11.0	.9 leading	2.5	IE5202
95-135	110-120	50 \pm 10%	0-8.5		1.0	IEL5101
195-255	220-240	50 \pm 10%	0-4.5	1.0	IEL5201	

ELECTROMECHANICAL STABILINES

Consist of an electronic detector circuit controlling a motor-driven POWERSTAT variable transformer. Features: zero waveform distortion, insensitivity to magnitude and power factor of load, no effect on system power factor, no critical adjustments, high efficiency, adjustable output voltage.

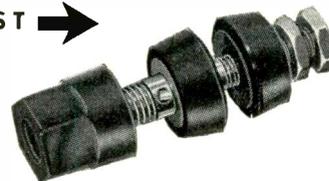
RATINGS

Nominal Output Voltage	Input Voltage Range	Output Voltage Range	Output Current (Amperes)	Output KVA	Type
Single Phase					
115	95-135	110-120	17.5	2.0	EM4102
			52.0	6.0	EM4106
			130.0	15.0	EM4115
208	180-230	200-215	32.5	6.7	EM8207
			120.0	25.0	EM8228
230	195-255	220-240	32.5	7.5	EM4207
			120.0	27.5	EM4228
440	380-500	420-460	15.0	6.6	EM4407
			40.0	17.6	EM4418
Three Phase					
208	180-230	200-215	25.0	9.0	EM8210Y
			38.0	13.5	EM8215Y
			50.0	18.0	EM8220Y
			113.0	40.0	EM8245Y
			145.0	52.0	EM8258Y
230	195-255	220-240	25.0	10.0	EM6210Y
			38.0	15.0	EM6215Y
			50.0	20.0	EM6220Y
			113.0	45.0	EM6245Y
			145.0	58.0	EM6258Y
440	380-500	420-460	16.0	12.0	EM6412Y
			22.0	17.0	EM6417Y
			33.0	25.0	EM6425Y
			66.0	50.0	EM6450Y
			100.0	75.0	EM6475Y
400-480	420-460	131.0	100.0	EM64100Y	

NEW 5-WAY BINDING POST

5 methods of connection. Complete insulation, 30 amp. current capacity, 1000V working voltage. Captive head for convenience. Red or black color. 5 connections:

1. PERMANENT CLAMPING.
2. SPADE LUG.
3. PLUG-IN FOR BANANA PLUG.
4. LOOPING AND CLAMPING.
5. CLIP-LEAD.



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of your
Worries*



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FABRICATES THEM FOR YOUR PRODUCT

Our plant is modern and we keep our equipment modern to make sure that we produce the *best for the least*.

Thirty-one years of coil winding experience is yours for the asking, and our technical resources are such that we can co-operate on new or redesign work with your engineering department. When it's coils you need, call COTO-COIL.

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(Coalesced under W.E. Pats.)

PAPER INTERLEAVE

COTTON INTERWEAVE

TAPED FORM WOUND

**UNIVERSAL SINGLE OR
MULTI-PIE CROSS WOUND**



COTO-COIL CO., INC.

COIL SPECIALISTS SINCE 1917

65 Pavilion Ave., Providence 5, R. I.

DIAMOND STYLI

for Manufacturers of

- ★ RADIO PHONOGRAPH COMB.
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- ★ RADIO PHONOGRAPH TELEVISION COMB.
- ★ TRANSCRIPTIONS

Our research and development permit us to offer manufacturers genuine diamond styli now so much in demand.

Radius and angle are positive gem finish, insuring gem contact in record groove.

These diamond styli are obtainable in any radius and angle desired, including one-mil radius for the new micro-groove records.

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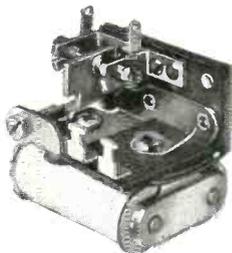
Sensitive Relays

by SIGMA



SERIES 4

SPDT GENERAL PURPOSE SENSITIVE D. C. RELAY of moderate cost. Balanced armature resists vibration suitably for most aircraft applications at 50 milliwatt adjustment. Adequate sensitivity for most vacuum tube operated relay circuits; can be set to operate down to 10 milliwatts. Precision adjustments for pull on and drop out. Journal Pivots, high permeability nickel iron, and beryllium copper springs assure reliability. Nominal contact rating 2 amperes. Coil resistance up to 14000 ohms.



SERIES 5

SPDT VERY SENSITIVE D. C. RELAY of exceptional design and construction quality. Balanced armature and magnetic efficiency sufficient to permit aircraft vibration resistant adjustment for inputs as low as 5 milliwatts (less than 1 milliwatt for less exacting service). Basic relay withstands 500g shock without damage. Precision adjustments, conical pivots, high permeability nickel iron, beryllium copper springs. Nominal contact rating 2 amperes. Coil resistance up to 16000 ohms. Special adaptations: — Separate connection to each of two coils for differential operation — Built-in instrument rectifiers for A. C. coil operation — Bimetallic compensation for constant voltage operation at variable ambient temperature.

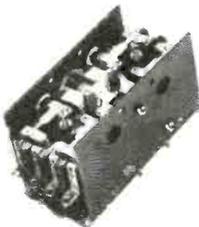


SERIES 41

SPDT SENSITIVE RELAY — A. C. — D. C. — KEYING — featuring low cost and unusual characteristics.

D. C. Sensitivity comparable with Series 4, but less adjustment flexibility. Exceptionally long life rocking pivot and availability of bounce-free contacts (Normally Open only) suit it for high speed counting and keying. Mechanical life over 10⁸ operations. Also well suited for any plate circuit use requiring moderate precision and vibration immunity. Contacts can be rated at 5 amps — sometimes more. Coil resistance up to 14000 ohms.

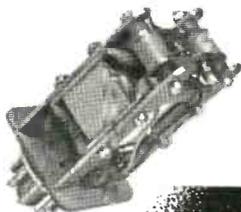
A. C. Sensitivity better than 0.1 V. A. Impedance as high as 130,000 ohms at 90 volts 60 cps. Supplied for frequencies from 16 to 400 cps. Shunt or series coils available. Excellent for protection of delicate thermostat or instrument contacts. Operates over wide range of variable input (e.g. 90-250v A. C.).



SERIES 6

MULTICIRCUIT POLARIZED SENSITIVE RELAY — with single or double (differential) windings, resistance up to 25000 ohms total, and contacts up to 4PDT, 5 AMP nominal rating. Fully balanced armature strongly resistant to vibration.

Form X — Null Seeking — For automatic positioning or two-way process control. Armature normally held at center by positive detent but operable either right or left by coil power of appropriate polarity and magnitude. Sensitivity depending on contact complexity from 10 to 100 milliwatts.



SERIES 7

SPDT SENSITIVE HIGH SPEED POLARIZED RELAY. Single or multiple windings up to 14000 ohms (single). Fully balanced armature. Nominal contact rating 2 amps. Especially designed for repeating telegraphic signals at speeds up to 250 words per minute. Exceptionally free from distortion and chatter, small size and weight, hermetically sealed (cover removed in cut). Mechanical life over 10⁸ operations. Life under representative severe telegraphy service 10⁸ operations.

IT'S TO YOUR ADVANTAGE TO CONSULT SIGMA

- If You need a ready selection from a large group of standard variations of the basic relay types described herein.
- If Your relay problem presents an unusual combination of performance, environmental and economic requirements, necessitating a highly engineered product.
- If You require a solution not likely to be found in a catalogued item, and demanding an unusual amount of cooperative engineering.

When Your engineering is in its earliest stages, before the design of associated equipment has progressed so far as to narrow the relay problem to the difficult or the impossible!

MILITARY SERVICE REQUIREMENTS

General Statements about a broad line, and its compliance with all environmental specifications are either impossible, or at the least misleading. Sigma, however, offers substantial experience in effecting a balance between difficult performance requirements on the one hand and difficult environment on the other. This is another area in which consultation before the release of drawings often pays dividends in saved time.



VARIETY OF ENCLOSURES

Some of the standard enclosures (including hermetically sealed) in which most Sigma relays are available.

Form Y — Biased (Spring Return) — For use as an ordinary sensitive relay where a complex contact combination is required. Often combines the function of pilot relay and contactor. Sensitivity range same as Form X. Responsive only to D. C. of proper polarity. Armature returns to normal position when coil power is removed, closing N. C. contacts.

Form Z — Latching (Permanent Magnetic) — As a replacement for mechanical latch electrical reset relays where longer life and greater resistance to vibration is required. When these features are stressed sensitivity is from 100 to 250 milliwatts.

Forms X, Y, and Z are available in the Series 7 giving same modes of operation as in the Series 6 above. Sensitivities range from less than 1 to 10 milliwatts depending on form and requirements. The Form X is useful as the detecting element in positioning bridge circuits and the like because of fairly high sensitivity plus the stabilizing advantages of detent centering of the armature in the balanced bridge condition.

WRITE FOR FULLY DESCRIPTIVE CATALOG

In this space we have highlighted general characteristics of the Sigma line and salient features of individual members. This advertisement may serve as a preface to our general catalog which is yours for the asking. Your specific inquiry on an actual problem will receive prompt attention.



Sigma Instruments, Inc.
Sensitive RELAYS

80 CEYLON ST., BOSTON 21, MASS.



QUALITY TESTING INSTRUMENTS

THE POCKETSCOPE MODEL S • 11 • A



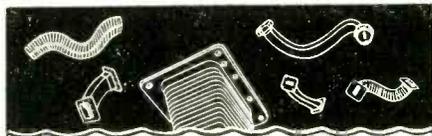
Industrial and television oscilloscope for radio and industrial electronic servicing as well as for educational applications. COMPACT . . . 7" high . . . 5" wide . . . 11" deep—LIGHT . . . only 8¾ lbs. . . COMPLETE . . . measures AC and DC with sensitivity better than 100 mv RMS/inch with fidelity within . . . 2 db from 0 to 200 kc; linear sweep from 3 cycles to 50 kc; blanking of return trace; intensity amplifier . . . direct connection to plates . . . low input isolated from case—retractable light shield . . . leather handle . . . detachable graph screen.

RAYONIC CATHODE RAY TUBE 3 M P 1



A 3" cathode ray tube for oscilloscope applications. P1 medium persistence screen, only 8" long. Zero first-anode current gun with high voltage accelerator electrode. Deflecting plates to separate terminals on duo-decal socket. Operation on voltages from 500 to 2500 volts. Accessories as sockets, magnetic shields, and detachable graph screens are available.

WATERMAN PRODUCTS CO., INC.
PHILADELPHIA 25, PENNA. U.S.A.



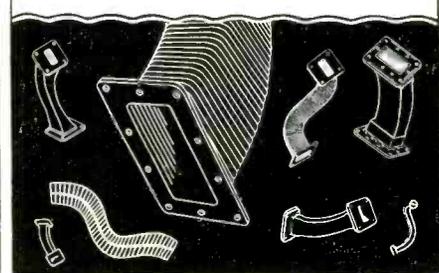
FLEXAGUIDE

A flexible waveguide with an electrically continuous FLEXIBLE CONVOLUTED bellows innercore protected by a specially LOW TEMPERATURE flexible molded jacket. It is PRESSURE tight and electrically correct for all conditions of bending and flexing. Standing Wave Ratio is equivalent to standard rigid waveguide assembly throughout the flexing cycle and has excellent attenuation characteristics.

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All MOLDITE CORES are made to exact specifications. An exclusive MOLDITE powder mix is used for best results in each specific requirement. New MOLDITE methods in processing and volume manufacture results in higher quality at lower cost. Uniformity of quality is maintained over entire production through continuous manufacturing controls. Call or write for MOLDITE Catalog 104.

*MOLDITE High Resistivity Cores, made with a special material, assure you of infinite resistance. Specify Mixes 13, 14 and 17 for guaranteed performance (TV applications).

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When buying, or requesting product information be sure to mention **ELECTRONICS BUYERS' GUIDE.**

MACHLETT ELECTRON TUBES

*for Broadcasting
and Industry*

TRANSMITTING TUBES

TYPE	CATHODE		MU	MAX. ANODE RATING				FULL INPUT FREQ. MCS.	COOLING
	VOLTS	AMPS		VOLTS	AMPS	INPUT WATTS	DISS. WATTS		
ML-2C39	6.3	1.1	85	1000	0.1	100	100	500	Forced-Air
ML-6C24	11.0	12.1	30	3000	0.5	1500	600	160	Forced-Air
ML-7C24	12.6	29	29	5000	1.4	5000	2000	110	Forced-Air
ML-9C21	19.5	415	36	17000	9.0	150000	40000	15	Water
ML-9C22	19.5	415	36	17000	8.0	100000	20000	5	Forced-Air
ML-9C25	6.0	285	32	11500	4.0	40000	17500	30	Forced-Air
ML-207	22.0	51	20	15000	2.0	30000	10000	1.6	Water
ML-805	10.0	3.25	Var.	1500	0.21	315	125	30	Convection
ML-810	10.0	4.5	36	2500	0.3	750	175	30	Convection
ML-HF200	10.5	4.0	18	2500	0.2	500	150	30	Convection
ML-HF300	11.5	4.0	23	3000	0.28	750	200	20	Convection
ML-450TH	7.5	12.0	38	6000	0.5	2500	450	40	Convection
ML-813	10.0	5.0	8.5	2250	0.225	500	125	30	Convection
ML-826	7.5	4.0	31	1250	0.140	175	75	250	Air
ML-828	10.0	3.25	—	1500	0.180	270	80	30	Convection
ML-829B	12.6	1.25	9	750	0.240	150	8	200	Air
ML-832A	12.6	0.8	7	750	0.090	36	15	200	Convection
ML-833A	10.0	10.0	35	4000	0.50	2000	450	20	Forced-Air
ML-846	11.0	51	40	7500	1.0	7500	2500	50	Water
ML-849	11.0	5.0	19	2500	0.35	875	400	3	Convection
ML-880	12.6	315	20	10500	6.0	60000	20000	25	Water
ML-889A	11.0	120	21	8500	2.0	16000	5000	50	Water
ML-889RA	11.0	120	21	8500	2.0	16000	5000	40	Forced-Air
ML-891	22.0	60	8.5	12000	2.0	18000	6000	1.6	Water
ML-891R	22.0	60	8.5	10000	2.0	15000	4000	1.6	Forced-Air
ML-892	22.0	60	50	15000	2.0	30000	10000	1.6	Water
ML-892R	22.0	60	50	12500	2.0	18000	4000	1.6	Forced-Air
ML-893A	20.0	183	35	20000	4.0	70000	20000	5	Water
ML-893AR	20.0	183	35	20000	4.0	70000	20000	5	Forced-Air
ML-895	19.0	138*	37	17000	9.0	140000	40000	6	Water
ML-895R	19.0	138*	37	17000	9.0	110000	20000	6	Forced-Air
ML-5530	5.0	55	26	5000	1.75	8750	3000	110	Forced-Air
ML-5541	7.5	57	26	8500	2.75	23000	10000	110	Forced-Air
ML-5588	6.3	2.5	16	1000	0.30	250	200	1200	Forced-Air
ML-5592	11.0	412	32	11500	4.5	50000	17500	50	Forced-Air
ML-5606	22.0	60	50	15000	2.0	30000	10000	1.6	Water
ML-5658	12.0	290	20.5	12500	5.0	60000	20000	20	Water
ML-5671	11.0	285	39	15000	8.0	100000	25000	10	Forced-Air
ML-5736	6.0	60	22	5000	1.4	5000	2500	60	Forced-Air
ML-5762	12.6	29.0	29	5250	1.4	5500	2500	110	Forced-Air
ML-5771	7.5	170	20	12500	6.0	60000	22500	25	Water
ML-8000	10.0	4.5	16.5	2500	0.300	750	175	30	Convection
ML-8005	10.0	3.25	20	1500	0.200	300	85	60	Convection
ML-8025A	6.3	1.92	18	1000	0.080	50	30	500	Air

* Filament current is per phase of three-phase

HIGH-VOLTAGE RECTIFIERS

TYPE	CATHODE		ANODE RATINGS		TYPE OF INSULATION	TYPE OF COOLING
	VOLTS	AMPS	INV. PKV	PEAK AMPS		
ML-102	20.0	19.0	75	0.750	Air	Convection
ML-103	10	11.5	125	0.078	Oil	Convection
ML-106	11	19.0	140	0.157	Oil	Convection
ML-108	13	12.5	140	0.200	Oil	Convection
ML-110	10	11.5	140	0.078	Air	Convection
ML-115	10	11.5	125	0.100	Air	Convection
ML-120	13	12.5	140	0.200	Air	Convection
ML-121	10	11.5	140	0.100	Oil	Convection
ML-126	13	12.5	150	0.200	Air	Convection
ML-170	13	12.5	200	0.200	Air	Convection
ML-180	13	12.5	200	0.200	Oil	Convection
ML-199	12.0	23.0	110	10.0	Air	Forced-Air
ML-5575/100	20	24	150	1.0	Air	Convection
ML-5576/200	20	32	150	2.5	Air	Convection

MERCURY VAPOR RECTIFIERS

TYPE	CATHODE		TUBE VOLT. DROP	FILA. EXCIT.	COOLING	ANODE RATINGS		
	VOLTS	AMPS				INV. PKV	PEAK AMPS	AV. AMPS
ML-255B	5.0	19	15	Quad.	Forced-Air	20	20.0	5.0
ML-266B	5.0	42	15	Quad.	Forced-Air	22	40.0	10.0
ML-266C	5.0	42	15	Quad.	Forced-Air	22	40.0	10.0
ML-267B	5.0	6.75	10	Quad.	Convection	7.5	8.0	2.0
ML-315A	5.0	10	15	Quad.	Convection	12.5	8.0	2.0
ML-319A	5.0	6.75	10	Quad.	Convection	7.5	8.0	2.0
ML-321A	5.0	10	15	Quad.	Convection	12.5	8.0	2.0
ML-575A	5.0	10	10	In-Ph.	Convection	15	6.0	1.5
ML-857B	5.0	30	15	Quad.	Forced-Air	22	40.0	10.0
ML-866A	2.5	5.0	15	In-Ph.	Convection	10	1.0	0.25
ML-869B	5.0	19	15	Quad.	Forced-Air	15	20.0	5.0
ML-872A/872	5.0	7.5	10	In-Ph.	Convection	10	5.0	1.25
ML-8008	5.0	7.5	10	In-Ph.	Convection	10	5.0	1.25

R. F. HEATING AND TRANSMITTING TUBES

TYPE	CATHODE		MU	MAX. ANODE RATING				FULL INPUT FREQ. MCS.	COOLING
	VOLTS	AMPS		VOLTS	AMPS	INPUT WATTS	DISS. WATTS		
ML-5604	11.0	176	19.5	12500	3.0	32500	10000	22.5	Forced-Air
ML-5619	11.0	176	19.5	12500	3.0	32500	20000	22.5	Water
ML-5658	12.0	290	20.5	12500	5.0	60000	20000	20	Water
ML-5666	11.0	120	21	10000	2.0	20000	12500	22.5	Water
ML-5667	11.0	120	21	10000	2.0	20000	7500	22.5	Forced-Air
ML-5668	22.0	60	50	14000	2.0	28000	20000	5	Water
ML-5669	22.0	60	50	14000	2.0	28000	10000	5	Forced-Air

Machlett Electron Tubes are now distributed by Graybar Electric Company, 420 Lexington Avenue, New York, N. Y., with offices and warehouses in more than a hundred principal cities in the United States

Note: For additional technical data or prices contact your local Graybar office or write to Machlett Laboratories, Inc., Springdale, Conn



MACHLETT

OVER 50 YEARS OF ELECTRON TUBE EXPERIENCE



NEW SHURE LINE OF MICROPHONES AND PICKUPS OFFERS OUTSTANDING FEATURES

SHURE SUPER-CARDIOID DYNAMIC MICROPHONES

The new Shure Super-Cardioid Dynamic Microphones are Multi-Impedance Microphones—giving you three microphones in one. Reduces your inventory, increases your sales through rapid turn-over. Model "556" is specially designed for Broadcasting. Held within extremely close tolerances in frequency response. Features internally isolated cartridge and external vibration absorbing unit. Model "55" is a "General Purpose," high-quality dynamic. It has the same mechanical properties as "556" with the exception of the external vibration absorbing unit.

Following is technical data covering both models:

Reduces reflections and reverberation—decreases random noise pickup by 73%. Smooth response from 40 to 10,000 cycles over wide angle at front—dead at rear. Single unit construction accomplished through Shure "Uniphase" principle (Patented). Floating moving coil system. Swivel head. Standard $\frac{5}{8}$ "—27" thread. Convenient terminals for attaching longer length cables. Case $4\frac{1}{4}$ " high, $3\frac{3}{4}$ " wide, $3\frac{1}{2}$ " deep.



"556" SUPER-CARDIOID
(For Broadcast)

MODEL	CABLE	SHPG. WEIGHT	CODE	LIST PRICE
556	7 ft.	4½ lbs.	RUMUB	\$92.50
55	25 ft.	4½ lbs.	RUMUL	\$67.50

Multi-Impedance Switch on Models "55" and "556"

IMPEDANCE TABLE	OUTPUT LEVEL
L—35-50 ohms	56.1 db below 1 Milliwatt per 10 bar signal
M—150-250 ohms	56.8 db below 1 Milliwatt for 10 bar signal
H—High	57.5 db below 1 volt per bar



"UNIDYNE" SUPER-CARDIOID DYNAMIC
(For General Purpose)



MODEL "51"
SONODYNE

"SONODYNE"

MULTI-IMPEDANCE DYNAMIC

Features a Multi-Impedance switch for Low, Medium, or High Impedance. High-output of 53 db below 1 volt per dyne per sq. cm. Wide-range frequency response (60-10,000 c. p. s.) and semi-directional pickup. Moving coil unit. Satin-Chrome case. Ideal for general purpose use. Shipping weight 4½ lbs. 20 ft. cable.

Model "51" Code: RUSON List Price: \$39.75

"MONOPLEX"

SUPER-CARDIOID CRYSTAL

Same phase-shifting network as used in Shure "Broadcast" microphones. Reduces feedback 73%! Ideal for high quality public address, recording, etc. Frequency response 60 to 10,000 c. p. s. Output level -53 db. Special metal-seal crystal for long life in humid areas. Built-in cable connector. Satin chrome finish. Shipping weight 4 lbs. Supplied with 20' cable.

Model "737A" Code: RUMON List Price: \$39.75



MODEL "737A"
MONOPLEX

"HERCULES"

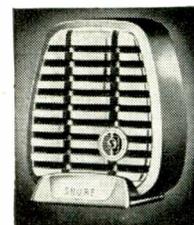
CONTROLLED RELUCTANCE MICROPHONE

A rugged hand-held magnetic unit. Provides the clear reproduction and high output long needed for public address, communications and recording at an amazingly low price! Ideal for general-purpose use in humid areas. High impedance obtained without the use of a transformer. Frequency response 100 to 7,000 c. p. s. Furnished with 7' fabric covered cable.

Model "510C" Code: RUTUF List Price: \$12.95

Model "510S" (With Switch) Code: RUTUS List Price: \$14.95

Also available as a low-cost crystal microphone, the new Shure "Rex". See catalog 159.



"510" SERIES
HERCULES



MODEL "520"
GREEN BULLET

"GREEN BULLET"

CONTROLLED RELUCTANCE

This new magnetic microphone is designed to provide quality music and speech reproduction at moderate cost. Features high sensitivity, impedance flexibility without a transformer. Output level -52 db, frequency response 100 to 7,000 cycles. Immune to high temperatures and humidity. Available in high impedance. Special green metallic finish. Cable length 15'. Shipping weight 2½ pounds.

Model "520" Code: RUDAL List Price: \$16.50

SHURE "VERTICAL DRIVE" CRYSTAL PHONOGRAPH PICKUPS

The Shure "Vertical Drive" Crystal Pickups are ideal for the reproduction of the new fine-groove vinylite and high quality standard groove recordings (33½ RPM, 45 RPM, Standard 78 RPM records). They provide the high needle compliance and the maximum fidelity needed to reproduce the full frequency range of the better records. The "Vertical Drive" also features high output, low tracking force, and finger-tip needle replacement. The 901D "All-Purpose" Pickup is provided with .0027" Osmium and .001" Sapphire point "Muted Stylus" needles. The high needle compliance of the Model 901D eliminates the need for shifting of weight or needle force when playing both fine-groove and standard records with one cartridge, such as required with most other turn-over pickups.

MODEL	OUTPUT at 1000 CPS.	RESPONSE TO	NEEDLE SCREW	SHIP. WT.	CODE	LIST PRICE
901D	(MG) .65	6,000 CPS	KNURLED NUT	12 oz.	RUZEL	\$16.25
	(STD) 1.1					
901MG	.65	10,000 CPS	KNURLED NUT	12 oz.	RUZUG	12.75

SHURE REPLACEMENT CARTRIDGES—"9-OUT-OF-10" PACK

Below is technical data on three Shure lever type cartridges—the standardized replacement line that will handle nine out of ten Crystal Cartridge replacements. A copy of the Shure Replacement Chart is in each carton. These cartridges feature low needle force, high needle compliance, crystal shock immunity, pin-tip terminals. These cartridges are not merely adequate replacements—they are acoustic advancements. MODEL: W50B CODE: RUPAL LIST PRICE \$18.50

MODEL	REPLACES SHURE	REPLACES	MIN. NEEDLE FORCE	OUTPUT VOLTAGE	SHIP. WT.	CODE	LIST PRICE
W57A	P87, P90D, P93S, P94, P94B	Any Standard Flat-Type Cartridge of Equal Output	$\frac{3}{4}$ oz.	1.6	$\frac{3}{4}$ oz.	RUGLA	\$5.55
W58A	P87S, P90S, P92B, P93S, W42A		1 oz.	1.6	$\frac{3}{4}$ oz.	RUGLU	5.55
*W60B	P30 Series, W57AN		1 oz.	1.6	$\frac{3}{4}$ oz.	RUSID	7.50

*With Osmium Point Needle

"TROPIC-PAC"— FOR HUMID OR ARID REGIONS

The new Shure "Tropic-Pac" is a crystal cartridge replacement package for Southern States and humid areas in sub-tropical countries. Contains W58HS and W60HS "Humi-Seal" Rochelle Salt crystal cartridges that last longer and operate with greater efficiency than any other Rochelle Salt crystal cartridges of comparable output. The crystals in both cartridges are encased in a special plastic and metal wrap—for long life. These cartridges are Rochelle Salt Crystal Cartridges—do not confuse with PN-type cartridges. No circuit compensation is necessary! Model: "W50T" Code: RUPAT List Price: \$15.00

Shure Microphones and Pickups Manufactured Under Shure Patents Issued and Pending—Crystal Products Licensed Under Patents of the Brush Development Co.



SHURE BROTHERS, INC.

Microphones & Acoustic Devices

225 W. HURON ST., CHICAGO 10, ILL. U. S. A. • CABLE ADDRESS: SHUREMICRO

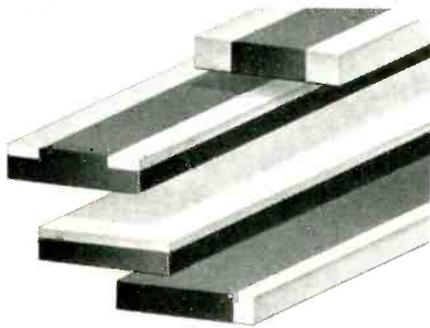
GENERAL PLATE PRODUCTS FOR THE ELECTRONIC INDUSTRIES

LAMINATED SHEET, WIRE, TUBE

General Plate Laminated Metals are available in strips, sheets, bars, tubing or wire in various sizes and thicknesses. Made by permanently bonding precious metals, such as silver, gold, platinum to base metals, these laminated metals give solid precious metal performance at a fraction of the cost of solid precious metal. The precious metal provides specific performance requirements such as electrical conductivity and corrosion resistance while the base metal reduces costs, provides workability, strength



and solderability. General Plate engineers will gladly help you with your problems.



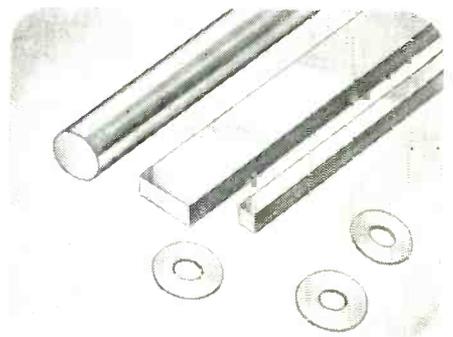
LAMINATED CONTACT MATERIAL

Permanently bonded silver to base metal is available in the following stock—overlay, single and double edgelay, single and double inlay, toplay, ready for you to fabricate into contacts.



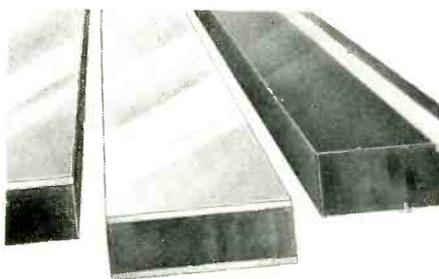
LAMINATED CONTACTS

General Plate can supply all types of fabricated-laminated contacts, buttons, rivets, screws made to customer's specifications. These contacts give high electrical conductivity at reduced costs.



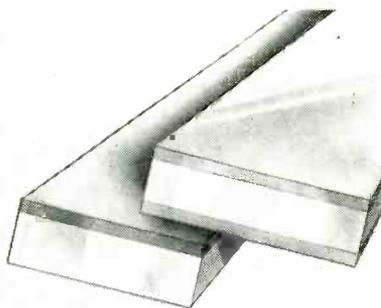
SILVER SOLDER

General Plate manufactures all grades of silver solder, solder filled, flushed, burred, etc., with various flow points for all types of electronic applications.



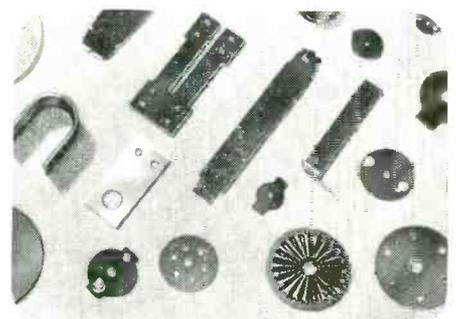
SILVER ON BERYLLIUM COPPER

Laminated silver on beryllium copper is available with the copper covered with silver on one side or both and silver inlay.



ALCUPLATE COPPER ON ALUMINUM

This laminated metal makes aluminum solderable. The copper provides excellent conductivity, the aluminum light weight. Alsiplate (silver on aluminum) is available.



TRIFLEX METALS

These thermostat metals are manufactured in a wide variety of types, each with a different reaction to temperature. Write for information and engineering assistance.

GENERAL PLATE DIVISION of Metals and Controls Corporation

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product information be sure
to mention...

**electronics
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GUIDE**



688

Quick Solutions

to as many resistor problems

You can get immediate delivery on Ward Leonard Vitrohm wire-wound resistors—both adjustable and fixed—in watt ratings from 5 to 200 and resistance values from 1 to 150,000 ohms.

Resistive element embedded in Ward Leonard's exclusive crazeless vitreous enamel, gives these resistors consistent accuracy and stability even under the most prolonged adverse operating conditions.

Write for Resistor Catalog D130. Ward Leonard Electric Co., 23 South Street, Mount Vernon, N. Y. Offices in principal cities of U. S. and Canada.

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Result-Engineered Controls

RESISTORS • RHEOSTATS • RELAYS • CONTROL DEVICES



Kahle

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ELECTRON TUBE MACHINERY

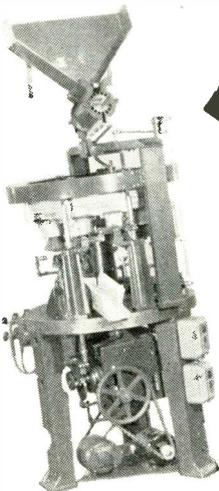
From big 20" TV to tiny sub-miniature tubes, from laboratory to high speed production, Kahle custom-builds the machine that does each specific job most efficiently. To assure trouble-free high precision operation, each Kahle unit is first put through exhaustive trial runs in our own plant.

TYPICAL EXAMPLES

OF KAHLE ENGINEERING AND DESIGN:

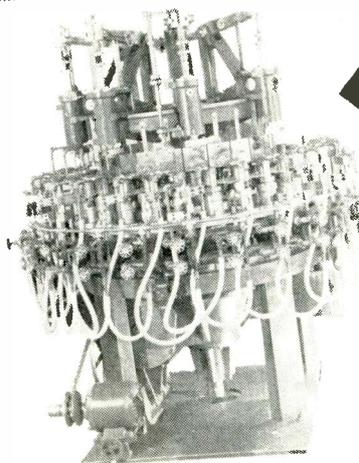


For
Cathode Ray
Tubes



#1360 Automatic
Tubulation
Flare Machine

Automatic feed,
flaring and
unloading. Removable
slotted drums
for changing
tubing diameters.

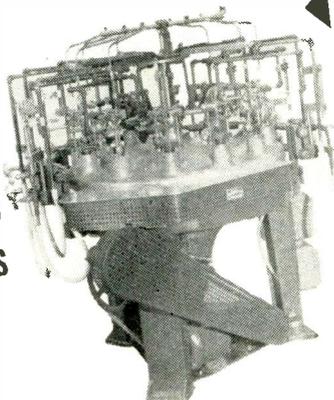


#1415 Button
Stem Machine

Optional features
include automatic
wire, tubulation
and head feed;
timer index
control;
variable speed.



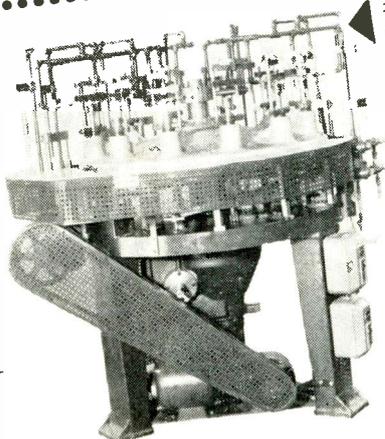
For
Sub-Miniature
Tubes



#1375
Sealing
Machine

Twelve heads
with self-
centering bulb
holders.
Indexing by
barrel cam and
rollers.

Automatically
maintained
neutral atmos-
phere inside
tubes.



#1384 Button
Stem Machine

Twelve heads
with upper and
lower moulds
on every head.
Indexing by
barrel cam
and rollers
(hardened and
ground) totally
enclosed in oil.

Consultations Invited • Send for our new catalog

We specialize in cost-cutting, production-boosting, labor-saving equipment for complete manufacture of cathode-ray tubes, standard, miniature, sub-miniature radio tubes, fluorescent lamps, photocells, X-ray tubes, glass products.

Kahle

ENGINEERING CO.

1309A SEVENTH ST., NORTH BERGEN, N. J.

NORTHERN RADIO COMPANY



A COMPLETE LINE OF HIGH QUALITY COMMUNICATIONS EQUIPMENT

Radio Multiplex Systems
Multi Channel Tone Systems
Diversity Receivers
Standard Frequency Shift Keyers
Low Frequency Shift Keyers
Frequency Shift Converters

Tone Filters
Tone Keyers
Demodulators
Line Amplifiers
Master Oscillators
Monitors

ENGINEERING SERVICE FOR FREQUENCY SHIFT

The Northern Radio Company, recognizing the need in industry for an organization concentrating exclusively on design and production of quality communication equipment, particularly frequency shift, has built an organization which possesses a wealth of knowledge and experience in this field. This group includes some of the pioneers in the development of frequency shift and communication equipment. We are in a position to design and equip for your specific needs, complete systems for transmission and reception, by FS or CW; Morse, radio tele-printer, radio-photo, facsimile or voice.

These systems can be furnished complete, including all terminal equipment, line channelizing systems, transmitters, receivers and antennas, designed specifically for point-to-point communications. We solicit your inquiries regarding this service.

Each unit in the Northern Radio Company line was designed, in co-operation with government and commercial operating agencies, to fill the needs of the communications industry. All enjoy world-wide acceptance and application as outstanding performers in the field.

MASTER VARIABLE OSCILLATOR



TYPE 115 MODEL 1

Principally used in diversity reception to supply local common oscillator injection voltage to receivers. Crystal oscillator for BFO. The Variable High Frequency section gives stability equivalent to that of non-temperature controlled crystal oscillators. It is also equipped with three crystal controlled frequencies for operation of receivers on a fixed frequency basis. The variable high frequency oscillator is provided with local crystal oscillator for spot checking of twenty points within its range.

TECHNICAL DATA:

Variable H.F.O. output
frequency 2-32 mcs continuous
Fixed Frequency crystals, 2-4 mcs for output frequencies of 2-32 mcs.
Output Impedance 50 ohm coaxial cable
Output Level 2 watts 2-4 mcs.; 0.5 watts 4-32 mcs.
Variable HFO Stability 20 cps. per mc for ambient change of 50°C.
5 cps. per mc for ± 10% Line Voltage.
20 cps per mc for resetability.
20 cps per mc for readability.

This unit can also be used as a transmitter exciter or for laboratory measuring purposes.

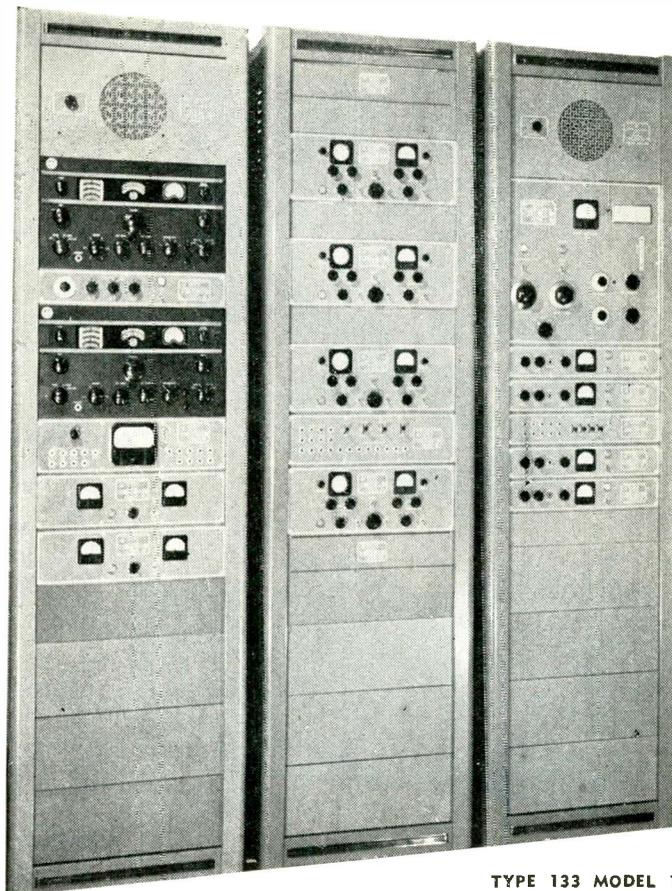
REMOTE CONTROL SYSTEM FOR SPECIFIC APPLICATIONS

This Remote Control System provides operations of a multiplicity of transmitters, all of which operations are accomplished by the use of one telephone line per simultaneous service.

Remote control equipment can be furnished for any particular transmitter functions required. Specifically, the type MW Model 1 is designed to function into a transmitter system consisting of one common power supply, four RF (High Frequency) channels having one selective Modulator Unit, and one RF (Low Frequency) channel having one permanently connected Modulator.

The remote control equipment performs the following functions:

1. Starts and stops the transmitter main HV unit.
2. Selects for operation any one of the five R.F. Units for any one of three different types of emission, controlled simultaneously from any one of five remote operating sites.
3. Provides line amplification.
4. Provides input terminals for manual key, tele-printer and microphone.
5. Indicates the R.F. Units being operated, and the types of emission selected.

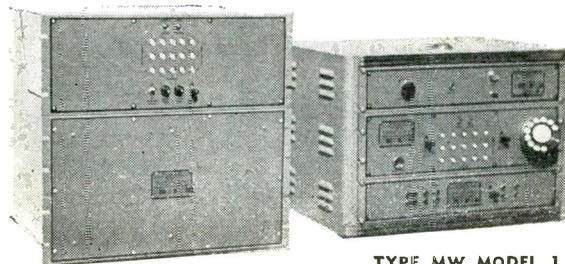


TYPE 133 MODEL 1

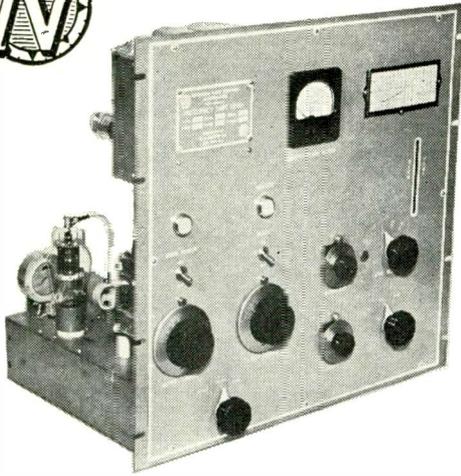
RADIO MULTIPLEX SYSTEM

Multi-Channel Equipment for Standard Communications Frequencies. Adapts existing transmitting and receiving facilities for radio multiplex.

The system illustrated is a four-channel unit, used for transmitting and receiving radio tele-printer, telegraph or other similar low speed keying intelligence, where a limited assigned carrier band-width may be utilized. The two bays at the left are the complete receiving units; right, the transmitter terminal and exciter facilities. The system may be adjusted for band widths of 3 to 10 kc and is intended to take advantage of periods of time where propagation conditions give signals which are better than the minimum required for one channel of normal frequency shift operation. Simple operation of key switches will insert as many channels as the conditions permit. These switches automatically maintain the pre-set bandwidth regardless of the number of channels in use. The system also provides front panel switching to standard 850 cycle frequency shift operation. However, experience indicates that when propagation conditions permit frequency shift operation, they will usually allow at least two channels of multiplex.



TYPE MW MODEL 1



FREQUENCY SHIFT KEYER

TYPE 105 MODEL 2

A high stability radio frequency oscillator whose output frequency may be shifted in accordance with the variation of a pulse or audio signal for F.S. Transmission of tele-type, telegraph, FM Telephone, facsimile or tele-printer.

Frequency Range.....2 to 5.5 mc
Frequency Shift.....Linear to 1000 CPS
Output Power.....Adjustable to 2 w
Keying Speed.....600 w.p.m.
Stability.....Better than ± 4 cps for 50° C. change in ambient

FREQUENCY SHIFT CONVERTER.

A dual channel unit, used with frequency shift receiving systems to convert the mark and space tones from the output of single or diversity receivers, into DC pulses capable of operating a tele-printer, tape recorder or other device so operated. Also used as a demodulator when receiving make and break CW or ICW signals.

2" oscilloscope tuning pattern indicates proper receiver adjustment of both mark and space frequencies, either during initial setup or under actual keying conditions. This pattern and a specially designed discriminator, coupled with a high degree of limiting, make it the outstanding performer in its field.

Output

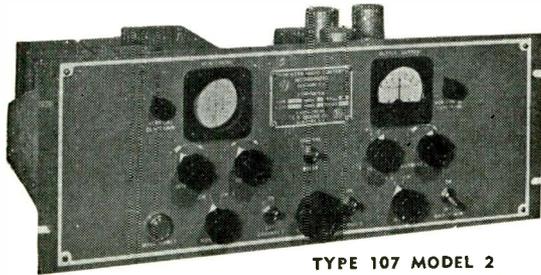
Input FS Limits... 100 to 1000 cps frequency shift. Mark frequency set at 2975 cps.
CW-ICW input... 400 to 7500 cps.
Keying Speed.... Up to 600 w.p.m.
1. Polar DC pulses. 60 ma in 1800 ohm external load. One side grounded.
2. Neutral DC pulses ± 30 ma. in 1800 ohms load. Center grounded.
3. May be operated into any impedance from 100 to 100,000 ohms.

tone keyer.

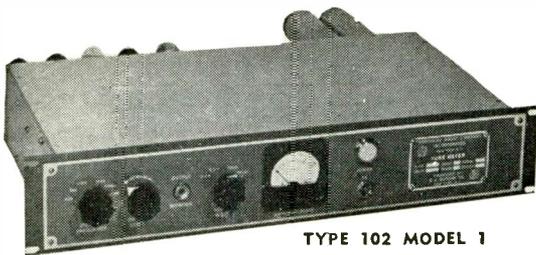
A complete, compact, flexible and versatile tone keyer. Provided with a stable RC oscillator which generates standard tones of 425, 765, 1105, 1445, 1785 and 2125 cps. A balanced output stage provides for various types of keying of any one of the above tones or of an injected external tone.

Keying Input... 1. Relay contacts.
2. Amplitude modulated (keyed) tone 300 to 10,000 cps.
3. DC pulses, positive or negative, polar or neutral.
Input Level.... 1. Audio—0 db.
2. DC: ± 10 v.
3. DC current pulses, ± 30 ma or 0 to 60 ma.
Keying Speed... 1000 w.p.m.

Output Impedance 600 ohms balanced H pad.



TYPE 107 MODEL 2



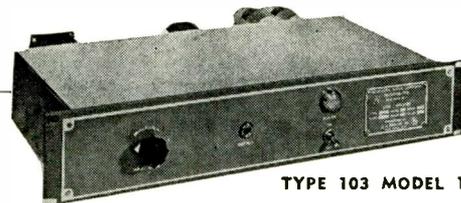
TYPE 102 MODEL 1



TYPE 5TF MODEL 1

CHANNEL TONE FILTER. Designed for use in multichannel carrier telegraph systems, where its function is generally to separate into single frequencies the complex voltage transmitted by the system. Consists of six band pass filter networks with a common input and separate outputs, one output for each standard frequency.

Frequency Range.....425, 765, 1105, 1445, 1785 and 2125 cps.
Keying Speed.....200 w.p.m.
Impedance.....600 ohms input and output
Input Level.....+6 db max.
Output Level.....-4 db for max. input



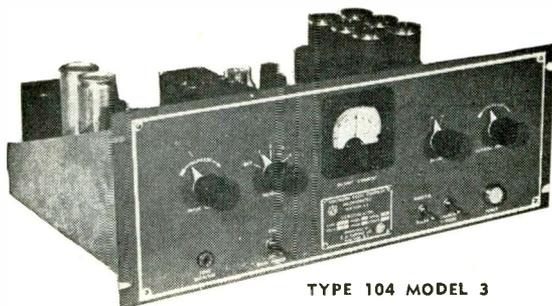
TYPE 103 MODEL 1

LINE AMPLIFIER. A general purpose line amplifier for communications work, featuring flat frequency response, low noise and distortion.

Input and Output Impedance 600 ohms balanced; 150 ohms unbalanced
Input Level..... For rated output of +23 VU -23 VU to +23 VU
Distortion..... Less than 1% at rated output level
Noise Level..... 80 VU below rated output
Frequency Response..... ± 1 db 100 to 10,000 cps.
Transmission Gain..... 46 VU

DEMODULATOR. Used in communication systems where intelligence is transmitted by means of amplitude modulated tones. It converts these tones to DC pulses and its output is capable of operating a tele-printer, tape recorder, or other DC operated device. Consists of a tone amplifier driving a full wave rectifier, operating into a pair of DC amplifiers.

Input Tone..... Any single amplitude modulated tone (keyed) between 400 and 10,000 cps.
Output..... 1. DC pulses of 60 ma in 1800 ohm external load, one side grounded.
2. DC pulses: of ± 30 ma in 1800 ohm external load, center grounded.
3. May be operated into any impedance from 100 to 100,000 ohms.
Keying Speed..... Up to 600 w.p.m.
Input Level..... -20 to +30 VU.



TYPE 104 MODEL 3

Special TRANSFORMERS

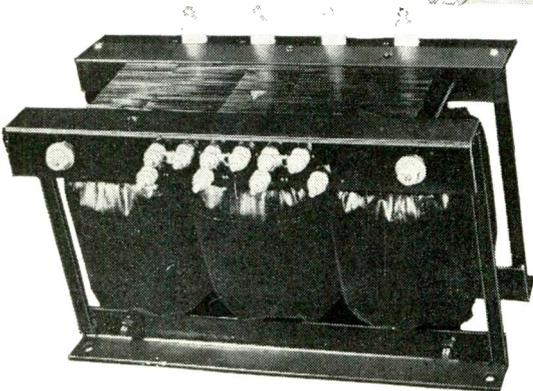
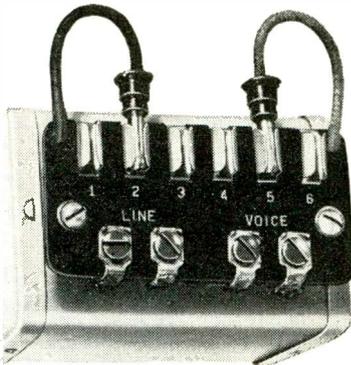


Above: Special DC power supply unit, input 115 volts 60 cycles—output 2500 volts filtered DC at 5 MA.

Right: A high quality speaker line auto transformer, used in multiple speaker installations to adjust volume and impedance for each individual speaker.

TO MEET UNUSUAL SPECIFICATIONS

The manufacture of "tailor-made", one-of-a-kind transformers, and small runs of custom-made specialty units, are important features of NYT service. A staff of engineering and production experts will translate your most exacting specifications into the components you require.



Left: A three phase high voltage plate transformer, weighing over 300 pounds. Rectifier output is 11 KVA DC (7000 volts at 1.5 amps).

The transformers illustrated show only three of the many which have been developed or manufactured by New York Transformer Company for special applications in radio, television and electronics. No matter how unusual your specifications, NYT will build transformers to

meet them! Special facilities also include the manufacture of hermetically sealed units to meet current JAN T-27 and other government specifications; and specially treated, lightweight, uncased units for airborne equipment.

Let us know about your specifications and development problems. NYT experts and engineers are at your service.

**NEW YORK
TRANSFORMER CO., INC.**
ALPHA, NEW JERSEY

This Mark of Quality



Identifies

Custom Made
**CATHODE-RAY
PICTURE TUBES**

*Featuring
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16" tube*

**THOMAS
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118 Ninth St., Passaic, N. J.
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THIS BOOK...

The
**electronics
BUYERS'
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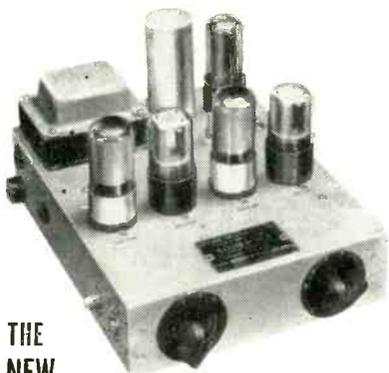
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ferent electronic and
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IN HIGH FIDELITY REPRODUCTION



THE
NEW

SOMERSET NOISE SUPPRESSOR PREAMPLIFIER

Also supplied in combination with a high quality power amplifier for custom and commercial installations.

The Somerset Noise Suppressor is the practical answer to noise and needle scratch. Natural brilliance, realism and essential overtones are reproduced at all volume levels with noise reduced to the vanishing point. No unnatural tonal qualities are introduced in the reproduction.

The Somerset unit can be used with most record players and FM or AM Tuners.

SPECIFICATIONS:

- POWER SUPPLY**
115 volts, 50-60 cycles, A.C.
- FREQUENCY RANGE**
40 to 15,000 c.p.s.
- GAIN**
.01 volts input produces .8 volts output to volume control of .25 to 1 megohm.
- INPUT SOURCES**
magnetic or crystal pickups, and FM or AM detector output.
- TUBE COMPLEMENT**
2-6SL7GT, 1-6SK7GT, 1-6SJ7GT, 1-5Y3GT.
- SIZE OF CHASSIS**
7" x 9" x 2".

Installation and operation require no technical skill. Models with additional features for broadcast, recording and other professional uses are available.

This is the device which permits the most effective use of associated high fidelity equipment. Pickup—amplifier—speaker.

SOMERSET
Laboratories Inc.
1701 Palisade Avenue, Union City, N. J.



ROTARY SNAP SWITCHES

For every control and transfer purpose

No matter—

- how intricate the circuit
- what switching sequence is desired
- what equipment is to be controlled

A suitable ESCO rotary snap switch is available, or can be built, to meet your requirements.

TYPE JR



UL listed at 10 amperes, 125 volts a-c, 5 amperes, 125 volts d-c. The versatility of type JR rotary switches simplifies control of the most complex electrical and electronic circuits and apparatus. A single type JR switch can replace a number of conventional switches and often eliminates the need for relays. While serving diverse functions, type JR switches are uniform in appearance, methods of mounting, parts assembly, and operating principle.

Features

- Compactness — Less than 8 square inches of panel space, regardless of the number of poles (up to 80-pole).
- Ease of installation — base or panel mounting; screw terminals take terminal lugs.
- Ease of Operation — Molded phenolic handles afford firm grasp. Unique ESCO detent mechanism establishes accurate positioning and positive contact.

TYPE P

10, 30, 60, 100, 200 amperes; 250 volts d-c, 500 volts a-c.

Type P offers high current interrupting capacity with any number of poles, single, double, triple, or four-throw, and the general construction advantages of the type JR. The snap "make" and "break" action of type P is driven by a powerful coiled spring mechanism. Rotor-contacts "float" on the shaft and are self-aligning with the knife blade fixed contacts.

The three standard mounting styles in which type P is available meet most installation requirements: style I, for flat surface mounting; style II for panel mounting, side connection; style III for panel mounting, with terminal studs providing back connection.

FUSED ROTARY SWITCHES

For efficient utilization of panel space and easy accessibility, Type EL-1 Fuse Holder, provided in the 15-200 ampere ratings, consists of the base, extending behind the panel, and plug which contains the fuse and is screwed into it from the front. Incorporates neon-lamp fuse signal.



EXPLOSION-PROOF SWITCHES

Explosion-proof cases are available for type P switch installation in hazardous locations. The switches are assembled in Crouse-Hinds cast-metal housings which are explosion-proof, vapor-tight, weather-proof, dust-tight. Standard conduit connections are provided.

Bulletins giving complete specification data and circuit information on ESCO switches are available on request.



ELECTRO SWITCH
CORPORATION

193 BROAD ST., WEYMOUTH 88, MASS.



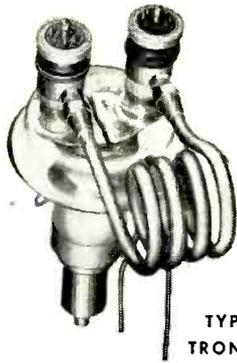
FIXED and VARIABLE HIGH VOLTAGE VACUUM CAPACITORS

• SPECIFICATIONS •

FIGURES	JENNINGS TYPE NUMBERS	CAPACITIES IN MFDs.	KV. PEAK TEST VOLTAGE	PEAK AMPERES	DIMENSIONS			MOUNT C to C
					Overall Length	Maximum O. D.	Ferrule Diameter	
VAC. FIXED NICKEL	8 VC	6, 12, 25, 50, 75, 100, 150	20-30	15-20	6 $\frac{1}{2}$ "	2 $\frac{1}{4}$ "	1 $\frac{3}{8}$ "	5 $\frac{7}{8}$ "
	8 VC	200, 250	20-30	15-20	6 $\frac{1}{2}$ "	2 $\frac{1}{8}$ "	1 $\frac{3}{8}$ "	5 $\frac{7}{8}$ "
	W	6, 12, 25, 50, 100	20	15	4 $\frac{3}{16}$ "	2 $\frac{1}{4}$ "	1 $\frac{3}{8}$ "	3 $\frac{7}{8}$ "
	9 X	5, 10, 15, 20, 25	17	10	3 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	1 $\frac{3}{8}$ "	2 $\frac{7}{8}$ "
	9 Y	1, 2, 3, 4, 5,	17	10	3 $\frac{1}{4}$ "	7"	1 $\frac{3}{8}$ "	2 $\frac{7}{8}$ "
	6 M	500, 750, 1000	10-15	30	8 $\frac{3}{8}$ "	5"	2"	6 $\frac{1}{4}$ "
	6 ML	500, 750, 1000	20-30	30	9 $\frac{1}{4}$ "	5"	2"	7 $\frac{1}{4}$ "
	6 MH	200 or less	35-50	30	8 $\frac{1}{2}$ "	5"	2"	6 $\frac{7}{16}$ "
K	50	35-50	15-20	8 $\frac{1}{2}$ "	3"	3"	7 $\frac{3}{4}$ "	
VAC. FIXED COPPER	5 JC-1	25 or less	15-25	40	4 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	1"	3 $\frac{3}{8}$ "
	5 JC-2	25, 50, 100	15-25	60	3 $\frac{3}{4}$ "	3 $\frac{1}{4}$ "	5 $\frac{1}{8}$ "	3 $\frac{1}{8}$ "
	3 JC-3	20, 40, 50, 60	35-50	200	8 $\frac{1}{4}$ "	4 $\frac{1}{4}$ "	2"	6 $\frac{1}{2}$ "
	3 JC-4	100 or 125	35-50	200	9 $\frac{1}{4}$ "	5"	3 $\frac{1}{8}$ "	7"
	10 JCS	75, 100, 250	7.5-12	60	3 $\frac{3}{8}$ "	2 $\frac{5}{8}$ "	5 $\frac{5}{8}$ "	3 $\frac{1}{8}$ "
	8 VCC	6, 12, 25, 50, 75, 100, 150	20-30	60	6 $\frac{1}{2}$ "	2 $\frac{1}{4}$ "	1 $\frac{3}{8}$ "	5 $\frac{7}{8}$ "
	8 VCC	200, 250	20-30	60	6 $\frac{1}{2}$ "	2 $\frac{1}{8}$ "	1 $\frac{3}{8}$ "	5 $\frac{7}{8}$ "
	6 MC	500, 750, 1000	10-15	85	8 $\frac{3}{8}$ "	5"	2"	6 $\frac{1}{4}$ "
6 MHC	200 or less	35-50	85	8 $\frac{1}{2}$ "	5"	2"	6 $\frac{7}{16}$ "	
VAC. VARIABLE NICKEL	7 T	5-25	20	15	6 $\frac{1}{4}$ "	2 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	4"
	7 TR	2-8	17	15	6 $\frac{1}{2}$ "	2 $\frac{1}{4}$ "	1 $\frac{3}{8}$ "	4"
	4 AT	10-50	20-30	15	6 $\frac{1}{2}$ "	3"	1 $\frac{1}{2}$ "	4 $\frac{3}{16}$ "
	2 U	50-250	10-15	30	11 $\frac{7}{16}$ "	5"	2"	6 $\frac{1}{2}$ "
	2 UH	10-75, 75-150	35-50	30	11 $\frac{7}{16}$ "	5"	2"	6 $\frac{1}{2}$ "
	1 UX	40-560	10-15	30	14"	5"	3 $\frac{1}{8}$ "	7 $\frac{7}{8}$ "
	1 UXH	25-150	35-50	30	14 $\frac{1}{2}$ "	5"	3 $\frac{1}{8}$ "	8 $\frac{1}{4}$ "
	2 VM	50-1000	10-15	30	14 $\frac{5}{16}$ "	7"	3 $\frac{1}{8}$ "	7 $\frac{7}{8}$ "
VAC. VARIABLE COPPER	7 TC	5-25	20	30	6 $\frac{1}{4}$ "	2 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	4"
	1 UXC	40-560	10-15	85	14"	5"	3 $\frac{1}{8}$ "	7 $\frac{7}{8}$ "
	11 UCS	5-200, 10-300	5-10	60	8 $\frac{9}{16}$ "	2 $\frac{5}{8}$ "	2" x 5 $\frac{5}{16}$ "	4 $\frac{9}{16}$ "
	2 UC	50-250	35-50	85	11 $\frac{7}{16}$ "	5"	2"	6 $\frac{1}{2}$ "
	2 UHC	10-75, 75-150	35-50	85	11 $\frac{7}{16}$ "	5"	2"	6 $\frac{1}{2}$ "
	1 UXHC	15-100	35-50	85	14"	5"	3 $\frac{1}{8}$ "	7 $\frac{7}{8}$ "
	1 UXHC	25-150	35-50	85	14 $\frac{1}{2}$ "	5"	3 $\frac{1}{8}$ "	8 $\frac{1}{4}$ "

CURRENT RATINGS MAY BE INCREASED BY FORCED COOLING—WITH ADEQUATE MOUNTINGS

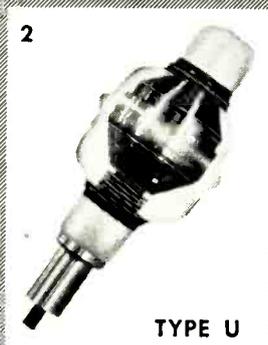
JENNINGS RADIO MANUFACTURING COMPANY • 1098 E. WILLIAM ST. • SAN JOSE 12, CALIFORNIA



TRONAD... It's New, It's Complete, It Simplifies

- 1 Combines tube, variable or fixed vacuum condenser with coil.
- 2 Reduces and simplifies wiring.
- 3 Saves space and weight.
- 4 Increases circuit efficiency.
- 5 Eliminates circuit parasitics.
- 6 Makes practical Split-Stator operation for harmonic suppression.
- 7 Tronad is designed for single ended units but available in Split-Stator.
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*Special characteristics
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COMPONENTS**

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Stop Organic Attack and Moisture Infiltration—

INSULATE WITH INSL-X FUNGICIDAL COATINGS

INSL-X CODE	APPLICATION
P-27-45-SA	OVERALL VARNISH (Air Dry)
E-28-OB-SA	OVERALL LACQUER
D-25x-SA	HOOKUP WIRE
SN-15-OB-SA	WAX SOLUTION
U-95-OB	OVERALL VARNISH (Bake)
I-1-T	WAX CONCENTRATE
SN-3-T	LEATHER & FABRIC TREATMENT

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INSL-X fungicidal coatings effectively inhibit organic attack; prevent moisture infiltration. Years of research and improvement have made these products the finest available for protecting electronic equipment, wiring and components against the deteriorating effects of moisture, mildew and corrosion. INSL-X coatings are available in many types, each of which offers the maximum protection for a specific group of requirements—impregnation, surface coating, high dielectric strength, low loss characteristics, etc. All of the coatings are easy to apply, biologically effective, non-toxic to humans and non-corrosive. Chemical and thermal stabilities are excellent and insure long term protection in every application. INSL-X fungicidal coatings meet rigid government specifications. Write for complete specifications and application data on all INSL-X insulating coatings and compounds—fungicidal and regular; no obligation.

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MANUFACTURING ENGINEERS OF INSULATING, FUNGICIDAL AND PROTECTIVE ELECTRICAL COATINGS
WATER STREET • OSSINING • NEW YORK

Don't Overlook the

MATERIALS SECTION

of this issue of the
electronics

BUYERS' GUIDE

In it you will find pertinent
engineering information
on . . .

- ACOUSTIC MATERIALS
- CERAMICS
- COATINGS
- FLUORESCENT COMPOUNDS
- GASES
- GLASS
- INSULATION
- MAGNETIC CORE MATERIALS
- METALS
- PERMANENT MAGNET MATERIALS
- PLASTICS
- POTTING COMPOUNDS
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used in the manu-
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VACUUM TUBE
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or
INDUCTION
HEATING UNIT



Only \$975

Never before a value like this 3½ KW bombarder or high frequency induction heater . . . for saving time and money in surface hardening, brazing, soldering, annealing and many other heat treating operations. Is

Portable . . . mounted on four rubber coasters. Width 14½"; depth 27"; height 42½"; weight 300#.

Operates from 220 volt line. Complete with foot switch and one heating coil made to customer's requirements. Send samples of work wanted. We will advise time cycle required for your particular job. Cost, complete, only \$975. Immediate delivery.

Scientific Electric Electronic Heaters are made in the following ranges of power: 1-2-3-5-7½-10-12½-15-18-25-40-60-80-100-250. KW.

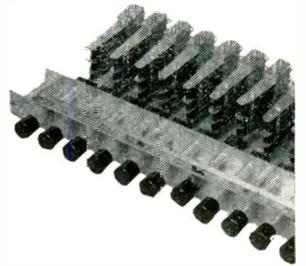
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Division of
"S" CORRUGATED QUENCHED GAP CO.
105 - 119 Monroe St., Garfield, N. J.

SWITCHES • TOUCH • TIMING
• LEVER • FOOT
• PUSH-BUTTON **CONTROLS**

MASTER PUSH-BUTTON SWITCH MPB

Modern design calls for push-button switching . . . placing at your finger-tips incomparable ease and versatility of control . . . with accurate selection and ever-visible indication of each selected function. Model MPB switches offer many advantages to the manufacturer who desires the modern features of push-button switching. Furnished in from two to a maximum of twelve positions. Standard frames are: (1) locking, (2) non-locking, (3) release-lock, and (4) accumulative locking with single-button release. Pure silver contacts, phosphor bronze springs. Rating: 5 amps., 125 volts a-c (non-ind.).



CAM-LEVER SWITCHES

Compact lightweight switches designed for long life and trouble-free service under heavy-duty requirements. Added features include shielding between contact sections, mounting provisions for single hole and standard mounting centers plus availability of all popular as well as special build-up variations.

Quotations will be given promptly on your switch problems. Common types are in stock for immediate shipment.

Type	Amps.*	High	Wide	Long†
MCT	1	1-1/2"	3/4"	2 21 32"
MCM	5	1-1/4"	1-1/4"	2 25 32"
MCL	10	1-3/4"	1-3/8"	3-15 16"

* At 125 volts, 60 cycles, non-inductive load.
† Distance from back panel to end of terminals.

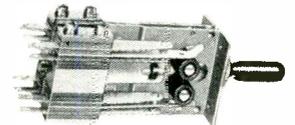
Type	Complete Switch with Four SPDT Sections	Net Price, 1-9
MCM		\$5.08
MCL		7.03



Type MCM



Type MCT



Type MCL

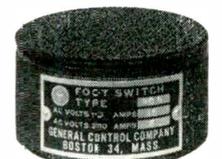
FOOTSWITCHES

Models to meet every need. Type MI has large, inclined treadle for foot operation. Type MC operates by pressure of finger, elbow, knee, or foot anywhere on its top plate. Ratings: motor load ½ H.P. at 115/230 volts a-c; lamp load 500 watts 115 volts a-c, or 100 watts 115 volts d-c; heater load 10 amps. 115 volts or 5 amps. 230 volts d-c. In cast iron cases: Model MI, 4" w. x 6¾" l. x 3" h.; Model MC, 4" diam. x 2½" high.



Type MI

Type	Type	Action	Contact Operation
MC-11	MI-21	Spring return, normally open	
MC-12	MI-22	Spring return, normally closed	
MC-13	MI-23	Spring return, ON double throw	
MC-14	MI-24	First..... Second.....	
MC-15	MI-25	First..... Second.....	
MC-16	MI-26	1st half-throw closes 1st contact 2nd half-throw closes 2nd contact Spring return	



Type MC

HEAVY DUTY ELECTRONIC TIMERS

Convenient and compact units for either full or semi-automatic control of industrial processes. Two or more timers control a number of individually timed operations in a predetermined sequence with either self-recycling or manual recycling. Handle 10 amps. at 125 volts, 60 cycles, on DPDT power control contacts. Five ranges: 0.06-1.2, 1/2-8, 3/4-15, 1.5-30, and 3-60 seconds. Plug-in capacitors give ready selection of timing range. Adaptable to use as photoelectric or sensitive relay in non-timing use. \$32.00 list.



GENERAL CONTROL COMPANY
1202 SOLDIERS FIELD ROAD
BOSTON 34, MASSACHUSETTS

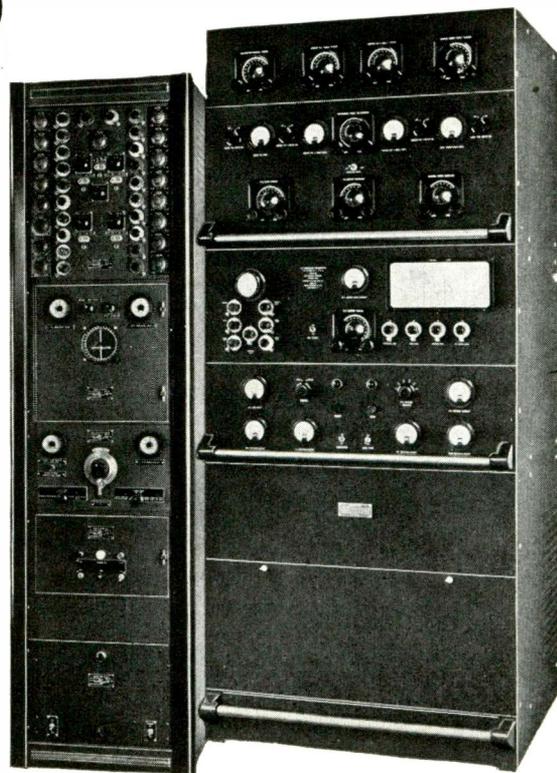
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Enables aircraft to navigate safely along any radial track to a ground station from distances up to 500 miles. The ground equipment is completely air transportable, permitting the expeditious setting up of a complete medium range navigation system when required.



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A novel FM-AM system confines the navigational signal to a total r-f bandwidth of 60 c.p.s. permitting simultaneous voice broadcast on the same carrier. The airborne receiver employs push-button selected crystal control and has a navigational I-f bandwidth of only 150 c.p.s.

This entire project, from its original theoretical conception to final delivery to the U. S. Air Force, was undertaken by Radio Receptor. This includes preliminary research, development of the component equipments, production of a complete packaged station including transmitter, monitors, test equipment, antennas, and tuning units, production of air-borne receivers and finally actual installation of the complete working system at a U.S. A.F. base.

Communications Division



RADIO RECEPTOR COMPANY, INC.



Since 1922 in Radio and Electronics

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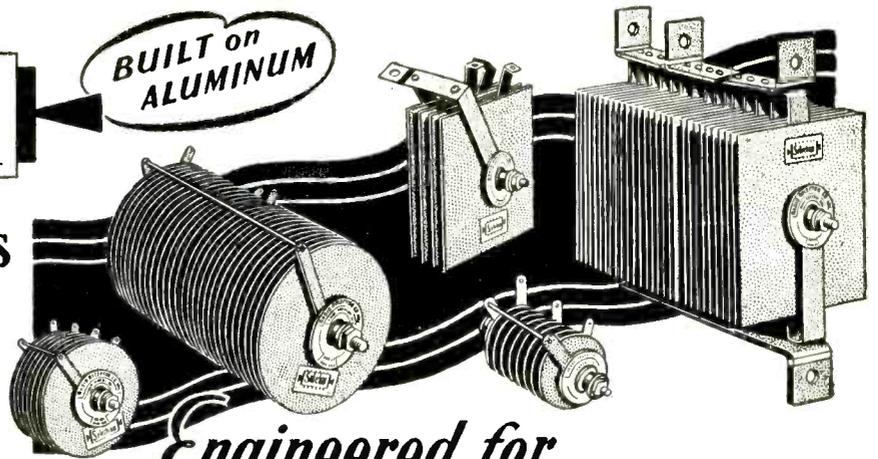
Seletron

SELETRON RECTIFIERS

FOR high efficiency and dependability specify SELETRON. Built on aluminum, these advanced type rectifiers are light in weight yet rugged in construction. Used within their ratings they will give you long, trouble-free performance.

Recommended by leading manufacturers and electrical engineers for their dependability and economy under all service conditions.

BUILT on ALUMINUM



Engineered for HIGH EFFICIENCY AND DEPENDABILITY

Approx. D.C. Volts	Max. A.C. Input	.15 Amps. D. C.		.22 Amps. D. C.		.30 Amps. D.C.		.45 Amps. D.C.		.60 Amps. D.C.	
		Code No.	Length	Code No.	Length	Code No.	Length	Code No.	Length	Code No.	Length
19	24	M1B1S1B	1 ¹ / ₁₆	M1B1S1B	1 ⁷ / ₁₆	P1B1S1B	1 ¹ / ₁₆	P1B1S1B	1 ¹ / ₁₆	Q1B1S1B	1
38	48	M2B1S1B	2 ¹ / ₁₆	WM2B1S1B	2 ¹ / ₁₆	P2B1S1B	2 ⁵ / ₁₆	WP2B1S1B	2 ⁷ / ₈	Q2B1S1B	2 ⁵ / ₁₆
57	72	M3B1S1B	2 ¹ / ₁₆	WM3B1S1B	3 ³ / ₈	P3B1S1B	3	WP3B1S1B	3 ³ / ₈	Q3B1S1B	3
76	96	M4B1S1B	3 ³ / ₁₆	WM4B1S1B	4 ³ / ₁₆	P4B1S1B	3 ³ / ₈	WP4B1S1B	4 ⁷ / ₈	Q4B1S1B	3 ⁵ / ₈
95	120	M5B1S1B	3 ³ / ₁₆	WM5B1S1B	5	P5B1S1B	4 ⁵ / ₁₆	WP5B1S1B	5 ⁷ / ₈	Q5B1S1B	4 ⁵ / ₁₆

Approx. D.C. Volts	Max. A.C. Input	.90 Amps. D.C.		1.2 Amps. D.C.		1.6 Amps. D.C.		2.4 Amps. D.C.		3.1 Amps. D.C.	
		Code No.	Length	Code No.	Length	Code No.	Length	Code No.	Length	Code No.	Length
19	24	Q1B1S1B	1 ⁹ / ₁₆	D1B1S1B	2 ⁵ / ₈	D1B1S1B	2 ⁵ / ₈	E1B1S1B	2 ⁵ / ₈	E1B1S1B	2 ⁵ / ₈
38	48	WQ2B1S1B	2 ⁷ / ₈	D2B1S1B	3 ¹³ / ₁₆	WD2B1S1B	4 ¹¹ / ₁₆	E2B1S1B	3 ¹³ / ₁₆	WE2B1S1B	4 ¹¹ / ₁₆
57	72	WQ3B1S1B	3 ⁷ / ₈	D3B1S1B	5 ¹ / ₁₆	WD3B1S1B	6 ⁷ / ₁₆	E3B1S1B	5	WE3B1S1B	6 ⁷ / ₁₆
76	96	WQ4B1S1B	4 ⁷ / ₈	D4B1S1B	6 ³ / ₁₆	WD4B1S1B	8 ¹ / ₁₆	E4B1S1B	6 ³ / ₁₆	WE4B1S1B	8 ¹ / ₁₆
95	120	WQ5B1S1B	5 ⁷ / ₈	D5B1S1B	7 ³ / ₈	WD5B1S1B	9 ¹³ / ₁₆	E5B1S1B	7 ³ / ₈	WE5B1S1B	9 ¹³ / ₁₆

Approx. D.C. Volts	Max. A.C. Input	4.0 Amps. D.C.		5.2 Amps. D.C.		6.0 Amps. D.C.		7.5 Amps. D.C.		8.0 Amps. D.C.	
		Code No.	Length	Code No.	Length	Code No.	Length	Code No.	Length	Code No.	Length
18	24	F1B1S1B	2 ⁵ / ₈	F1B1S1B	2 ⁵ / ₈	G1B1S1B	3	G1B1S1B	3	H1B1S1B	3
37	48	F2B1S1B	3 ¹³ / ₁₆	WF2B1S1B	4 ¹¹ / ₁₆	G2B1S1B	4 ¹¹ / ₁₆	WG2B1S1B	5 ⁵ / ₈	H2B1S1B	4 ¹¹ / ₁₆
56	72	F3B1S1B	5	WF3B1S1B	6 ⁷ / ₁₆	G3B1S1B	6 ⁷ / ₁₆	WG3B1S1B	7 ¹³ / ₁₆	H3B1S1B	6 ⁷ / ₁₆
75	96	F4B1S1B	6 ³ / ₁₆	WF4B1S1B	8 ¹ / ₈	G4B1S1B	8 ¹ / ₈	WG4B1S1B	10 ¹ / ₁₆	H4B1S1B	8 ¹ / ₈
93	120	F5B1S1B	7 ³ / ₈	WF5B1S1B	9 ¹³ / ₁₆	G5B1S1B	9 ¹³ / ₁₆	WG5B1S1B	12 ¹ / ₄	H5B1S1B	9 ¹³ / ₁₆

Approx. D.C. Volts	Max. A.C. Input	10 Amps. D.C.	
		Code No.	Length
18	24	H1B1S1B	3
37	48	WH2B1S1B	5 ⁵ / ₈
56	72	WH3B1S1B	7 ¹³ / ₁₆
75	96	WH4B1S1B	10 ¹ / ₁₆
93	120	WH5B1S1B	12 ¹ / ₄

Above are listed full wave bridge rectifiers. Ratings are for continuous duty, resistive inductive load, in an ambient temperature of 35° C.

Note: For higher voltages and currents other combinations are available. The tabulation above is only a partial list. Send specifications for other designs. Address Dept. BG-9

Specify SELETRON
MINIATURE SELETRON RECTIFIERS
For RADIO AND TELEVISION APPLICATIONS

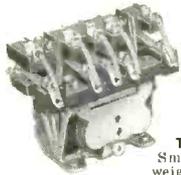
The complete family of miniature Seletron Selenium Rectifiers is designed for use on a nominal 115 A-C line, to provide direct current for radios, television sets, amplifiers, and other low power applications. Instant starting, small size, long life and simplicity of installation are a few of many features of the Seletron Family.

Code Number	1M1	5M4	5M1	5P1	5R1	5Q1	5S1
Current Rating	100 MA	75 MA	100 MA	150 MA	200 MA	250 MA	500 MA
Plate Height	1"	1"	1"	1 ¹ / ₂ "	1 ¹ / ₂ "	1 ¹ / ₂ "	2"
Plate Width	1"	1"	1"	1 ¹ / ₈ "	1 ¹ / ₄ "	1 ¹ / ₂ "	2"

SELETRON DIVISION
RR RADIO RECEPTOR COMPANY, Inc. RR
 Since 1922 in Radio and Electronics
 84 NORTH 9TH STREET, BROOKLYN II, N.Y.

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TYPE 27QA
Small, light-weight, rugged, with 2-coil design for greater efficiency.



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Midget, efficient, economical relay for fast operation.



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Phillips offers a complete selection of relays particularly suited for applications in the electronic field. Phil-trol Relays are engineered to the highest standards for quality, dependability and long life.

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Materials for potting, dipping or impregnating all types of radio components or all kinds of electrical units. • Tropicalized fungus proofing waxes. • Waterproofing finishes for wire jackets. • Rubber finishes. • Inquiries and problems invited by our engineering and development laboratories.

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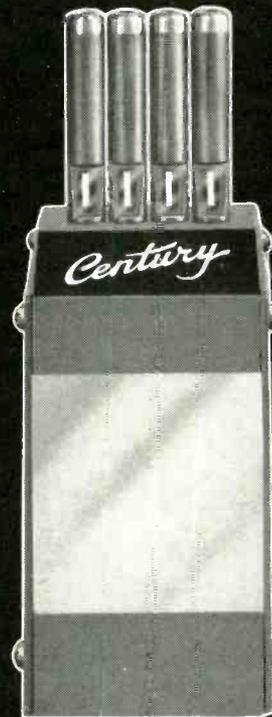
ZOPHAR MILLS, Inc.

ESTABLISHED 1846

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Century

RECORDING GALVANOMETERS



For photographic recording of d.c. or a.c. currents with "flat" frequency response to as high as 2500 cycles per second. Available in a wide range of natural frequencies, all having high factors of sensitivity and dynamic balance. Their tubular hermetically sealed construction insures long-lived dependability and ruggedness. Magnetic assemblies are constructed for 2, 4, 8, 12 and 14 element mounting.

Century also offers a complete repair service on all types and makes of oscillograph galvanometers. Recent expansion of facilities makes possible immediate service.

Manufactured under Century Pat. 2439576, also licensed by Kammestine Laboratories Patent 2149442.



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Tulsa, Oklahoma

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World's Largest Manufacturer of Geophysical and Special Galvanometers



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TEMPERATURE • ALTITUDE • HUMIDITY

Designed by Bowser, Inc., to meet the most rigid requirements for testing electronic components or equipment in relation to temperature, humidity or altitude. Used widely by government and industry in laboratories for research and development work and on the production line.

BOWSER LABORATORY UNITS—L-Series

These Units are designed so that industry may perform its testing and processing simply, accurately, and in a minimum of time. Electronic equipment or components which are to be subjected to severe weather conditions can be proved in a Bowser Laboratory Unit. The temperature ranges (+180°F. to -100°F) cover every conceivable application from Tropic heat to Arctic cold and from sea level to 75,000 ft. above the earth. These temperatures are controlled to within $\pm 2^\circ$ F. within the range. The range of Relative Humidity simulation (from 20% to 95%, see table) is equivalent to practically any condition, and the Vacuum simulation easily meets all present day needs for this type of equipment.

MODEL NO.	SIZE			LOW TEMP. POINT F.	PULL DOWN FROM AMB. MIN.	DISSIPATION AT LOW OPERATING POINT AT SEA LEVEL	MASS LOAD OF STEEL	8 POST. 4 THERMOCOUPLE TERMINAL PAD	CUT OUT AND REMOVABLE INSULATION BATT
	H	W	D						
L1-50 VH L1-76 VH L1-100 VH	12"	12"	12" (1 cu. ft.)	-50°F. -76°F. -100°F.	70 105 170	100 watts 100 watts 50 watts	25# 25# 25#	Available in all 3 L1 Units installed on left side wall, only if "cut out" not required	Available in all 3 L1 Units, installed on left side wall, only if Terminal Pad is not required
L5-50 VH L5-76 VH L5-100 VH	18"	30"	15½" (5 cu. ft.)	-50°F. -76°F. -100°F.	70 110 200	200 watts 200 watts 100 watts	50# 50# 50#	Installed in left side wall	Installed in left side wall
L8-50 VH L8-76 VH L8-100 VH	24"	24"	24" (8 cu. ft.)	-50°F. -76°F. -100°F.	70 110 200	200 watts 200 watts 100 watts	50# 50# 50#	Installed in left side wall	Installed in left side wall
L18-50 VH L18-76 VH L18-100 VH	30"	30"	36" (18 cu. ft.)	-50°F. -76°F. -100°F.	70 110 210	200 watts 200 watts 100 watts	25# 25# 25#	Installed in left side wall	Installed in left side wall
L27-50 VH L27-76 VH L27-100 VH	36"	36"	36" (27 cu. ft.)	-50°F. -76°F. -100°F.	75 110 210	200 watts 200 watts 100 watts	100# 100# 100#	Installed in left side wall	Installed in left side wall

THE FOLLOWING SPECIFICATIONS ARE STANDARD FOR ALL MODELS:

- Reheat time from ambient to +180°F. is 70 minutes.
- Thermocouple Type Indicating Controller; installed in instrument panel to right of free-working space. Range: -150°F. to +200°F.
- Altitude Simulation Equipment: Laboratory Type, Oil Sealed Vacuum Pump and Hand Operated Climb - Neutral - Dive Valve.
- Current (for control): 110 volt, 60 cycle, single phase. (for power): 220 volt, 60 cycle, three phase.
- Average Climb Rate: 3,000 feet per minute to 50,000 feet.
- Maximum Vacuum: 1" mercury absolute.
- Vacuum Gauge: 4½" Dial Type, 0" to 80,000'.
- ¾" I.D. Low Pressure Pipe: 50 psi. installed in left side wall.
- Special instrumentation can be supplied at customer's request.

CONSTRUCTION

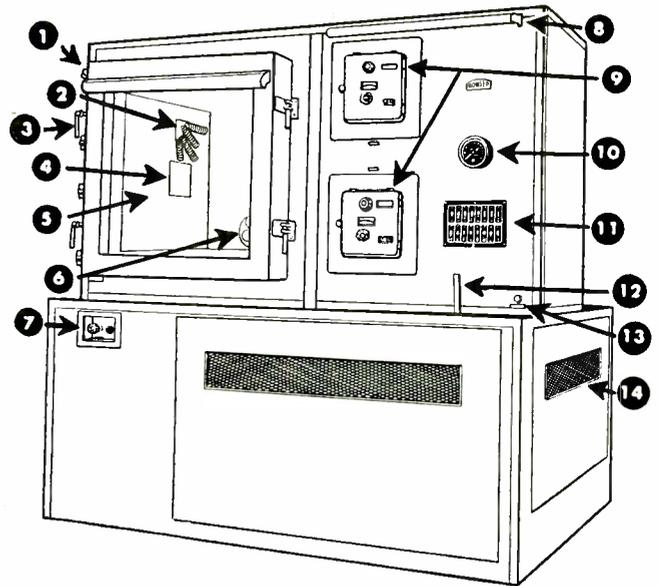
Cabinet mounted on rigid steel base of welded channel irons to prevent warpage or distortion. Refrigeration equipment and vacuum pump, etc., mounted on separate inner frame to minimize vibration. Work being tested checked during processing through inspection window mounted in door of chamber. Interior illuminated by means of a light mounted on door outside the chamber. Instrument panel is also supplied with a light mounted over it.

ALTITUDE—VACUUM UNITS

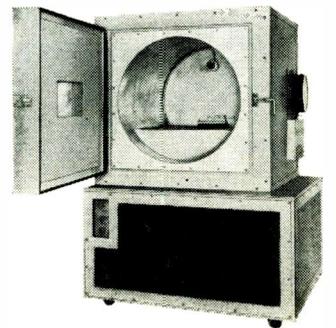
For the user whose products or testing requirements are not affected by temperature or humidity, but who is primarily interested in noting the effect of varying atmospheric pressures, the specially engineered Altitude Chamber is offered.

OTHER BOWSER UNITS

Some of the many Bowser units are shown and briefly described on this page. They have a wide scope of application throughout industry. Complete details regarding any of them are available upon request.

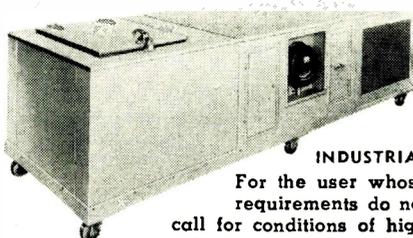


- Door Light
- Internal Terminal Pad
- Cam Latch
- Access Port
- Inspection Window
- Air Mover
- Hand Regulating Water Valves
- Instrument Panel Light
- Indicating Potentiometer, Controller (Wet and Dry Bulb)
- Altitude Gauge
- Control Panel
- Climb-Dive Valve
- Manometer Connection
- Condensing Unit Compartment



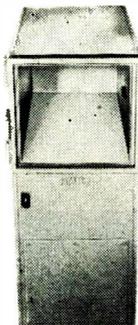
UTILITY UNITS

Designed for rapid, dependable production testing and processing. It is also capable of being used for limited amounts of research and development work. Adaptable to a wide range of applications from production processing of radio crystals to testing of cameras and camera lenses. Provided with temperature control from +158°F. to -80°F., with a tolerance of control of $\pm 3^\circ$ F. over the range. Relative Humidity simulation can be supplied within the limits of the range as shown in table on next page.

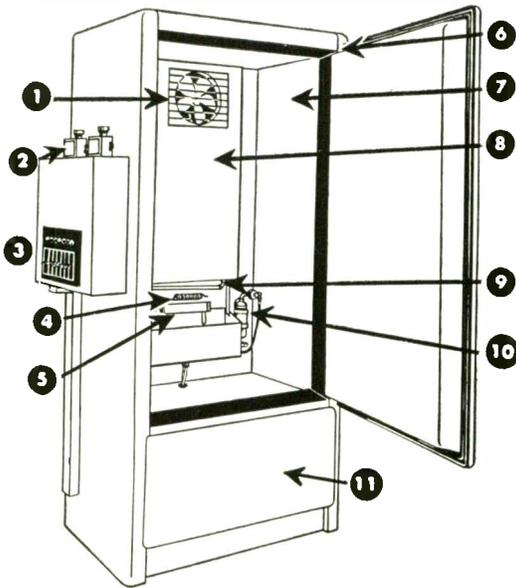


INDUSTRIAL

For the user whose requirements do not call for conditions of high altitude or relative humidity, the Industrial "low temperature" Unit is available. A typical application might be the expansion fitting of bushings.



BOWSER RELATIVE HUMIDITY UNITS—H Series



Bowser Relative Humidity Units provide Relative Humidity simulation controllable over a wide range, more than fulfilling present and future requirements of Industry and Research. They will automatically maintain humidity conditions from 20% to 95% from +35°F. to +175°F. (dry bulb). See chart below for limitations. Designed to produce almost all conditions of Relative Humidity to be found anywhere on the globe where temperatures are above freezing. These conditions can be controlled to the close tolerance required for research and industrial testing.

MODEL NO.	INTERIOR DIMENSIONS			EXTERIOR DIMENSIONS			NO. OF DOORS	CONTROL INSTRUMENT	INTERIOR
	W	D	H	W	D	H			
H-10R	22"	16"	46"	37"	24"	68"	1	Bulb Type Non-Indicating Controller	Stainless Steel
H-20R	38 $\frac{3}{4}$ "	22 $\frac{1}{4}$ "	47 $\frac{1}{8}$ "	45"	31 $\frac{5}{8}$ "	69"	2	Bulb Type Non-Indicating Controller	Stainless Steel
H-30R	44 $\frac{3}{4}$ "	25 $\frac{1}{4}$ "	48"	51"	35"	72"	2	Bulb Type Non-Indicating Controller	Stainless Steel

The following specifications are standard for all models:

1. Current: 110 volt, 60 cycle, single phase.
2. Wet bulb and humidity reservoir water level automatically maintained by float valve.
3. Air circulation provided by means of air movers within test space.
4. Special instrumentation can be supplied at customer's request.

1. AIR MOVER
2. NON INDICATING BULB TYPE CONTROLLERS
3. CONTROL PANEL
4. WET BULB WICK

5. WET BULB TROUGH
6. THERMAL BREAKER STRIP
7. STAINLESS STEEL INTERIOR & EXTERIOR

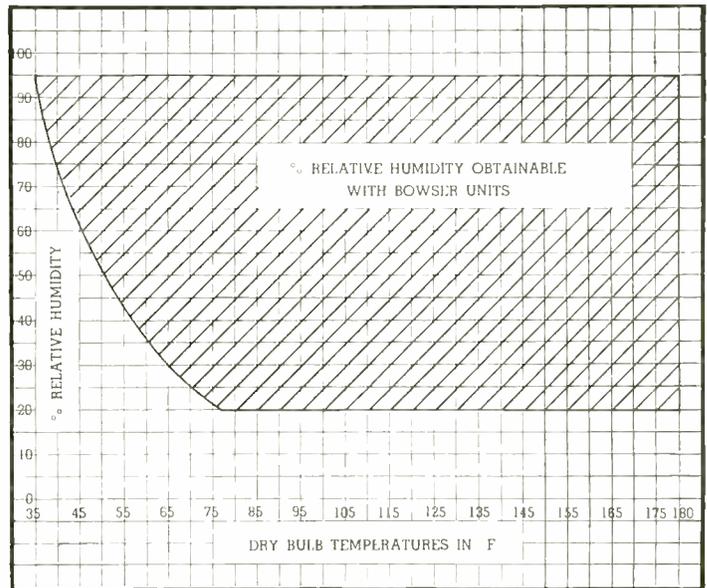
8. HUMIDIFYING EQUIPMENT
9. DRY BULB
10. AUTOMATIC FLOAT VALVE
11. CONDENSING UNIT COMPARTMENT

BOWSER SPECIAL ENGINEERING



200°F. Unit capable of attaining vastly lower temperatures than ever before presented commercially in Industrial Refrigeration without the use of liquid gases.

Achievements obtained through many years of research are now available to you through Bowser's Special Engineering Service Program. This service offers you the results of the engineering functions performed in conjunction with the standard line of Bowser products. They include • Special programming of temperature cycles • High frequency, high voltage and/or high amperage insulators • Special control of the moisture content of the air, within test space • Automatic vacuum control with varying tolerances • Amphenol type coaxial cables installed in standard units of the "L," "U" and "H" series • Extra visibility of equipment to be tested • hand holes for manipulation, and many others. Write for complete description.

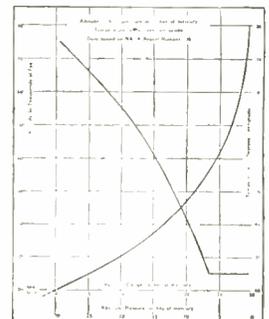


↑ Temperature-Humidity Curve showing the percentage of relative humidity obtainable with Bowser units.

→ A chart of Altitude-Pressure-Temperature Curves showing Altitude in relation to Vacuum Gauge and Absolute Pressure in terms of inches of mercury.

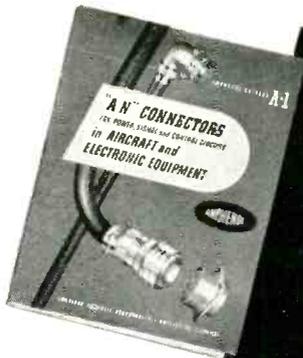
FOR COMPLETE DATA:

Send for informative booklet, "Bowser Temperature Altitude and Humidity Simulating Units". Contains complete specifications on all standard Bowser Instruments.

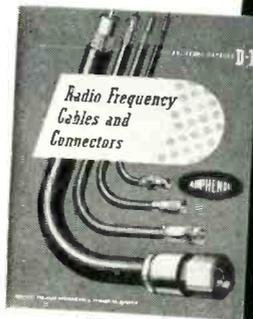


BOWSER, INC. REFRIGERATION DIVISION — 420 LEXINGTON AVE., N. Y. C.

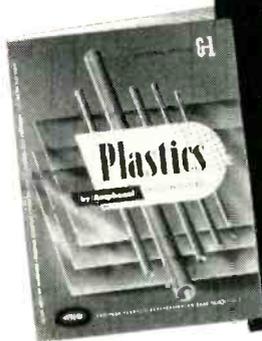
IN CANADA, S. F. BOWSER CO., LTD., 344 SHERMAN AVE., HAMILTON, ONTARIO



The Section A-1 Catalog — a comprehensive listing of technical data for Amphenol "AN" and "97" Connectors, listed numerically by insert number and cross referenced to show the standard shells and special constructions available.



The Section D-1 Catalog — a complete classification of Amphenol's Radio Frequency Cables and Connectors. Engineering details are clearly presented for utmost convenience. Various modifications not shown can be supplied on special order.



The Section G-1 Catalog — Amphenol's plastic products, covering the complete range of plastics; polystyrene, polyethylene, acrylic, acetate, vinylite, and so on. Constantly expanding, Amphenol's field of potential plastic products is unlimited.



The Section 73 Catalog — a general catalog containing a greatly condensed listing of products in the other Amphenol catalogs. It also includes a complete listing of radio sockets and connectors and Amphenol antennas for TV, FM and amateur use.



AMPHENOL

COMPONENT PARTS for the RADIO and ELECTRONICS INDUSTRY

Amphenol produces component parts for use in many divisions of the radio-electronic industry. Therefore, in order to provide a convenient, comprehensive listing according to product adaptability and usage, the cataloging is in four sections. A fully descriptive presentation of Amphenol products is offered in these four catalogs.

Request the catalogs you require

"Amphenol Engineering News" is a monthly bulletin sent to engineers, technicians, purchasing agents and production men. To keep posted on latest developments in electronics, request that your name be added to our mailing list.

AMERICAN PHENOLIC CORPORATION
1830 SO. 54TH AVENUE
CHICAGO 50, ILLINOIS



BRUSH INSTRUMENTS

For Industrial and Laboratory Use

Brush Development Company comprehensive service offers you the advantages of an expertly staffed, modern electronics and electromechanical laboratory. All the

skill and knowledge Brush is applying to the broad field of electronics is available for the solution of your particular design problems. Your inquiries are invited.



BL-913 D-C AMPLIFIER

Designed for use with Brush Magnetic Direct Inking Oscillograph, also used to make recordings of many types of phenomena heretofore measured only with the aid of complicated intermediate equipment. Studies of static or dynamic conditions, such as strains, displacement, pressures, light intensities, temperatures, d-c and a-c voltages or currents, and many others are simplified by the use of the Brush Direct Inking Oscillograph

with the BL-913 Amplifier. Voltage gain is sufficient to give 1 chart mm deflection per mv input. Novel design features combined with both plate and heater voltage regulation reduce effects of power line fluctuation. Zero signal drift amounts to not more than 1 chart mm per hr. Frequency response essentially uniform from d-c to 100 cycles per sec. Control panel located at front contains a factor of 10 attenuator, gain control, calibrating meter and controls for determining input voltages. Balancing potentiometer provided for electrically biasing oscillograph pen to any position on the chart.

Frequency response...DC to 100 cps
Sensitivity...1 chart mm/mv
Stability...1 chart mm pen drift or less per hr.
Voltage gain...1000 times (Approx.)
Power requirements...105 to 125 v 60 cycles 125 w

Input Impedance...10 meg
Input voltage range...0.001 to 200 v
Dimensions...17 1/4" long x 11" wide x 7 1/2" high
Net Wgt...33 lbs.
Shipping wgt...37 lbs.
Balancing control...Helipot (10 revolutions)

BL-309 AMPLIFIER—DIRECT RECORDING DISPLACEMENT GAGE



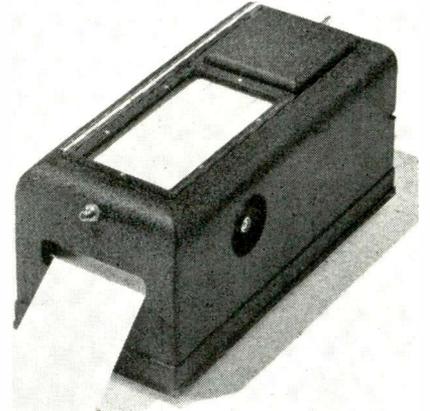
Used with Brush Magnetic Direct Inking Oscillograph and BL-306 Pickup Head, measures small displacements within the range of .000010 in. to .015 in. Utilizing a carrier type displacement sensitive pickup, produces immediate records of absolute values. The

direct recording displacement gage useful for many industrial and research problems, such as measurement of pressures, forces, vibrations and other phenomena which involve a displacement or a change in dimensions. Well suited to checking eccentricity of shafts or the contour of cams or other irregularly shaped sections by comparison with a master. The output of the amplifier consists of 3 stages, direct coupled, designed to match characteristics of direct inking Oscillograph. This section may be used as a general purpose, low gain d-c amplifier with gain and centering controls provided.

Range of measurable displacement...10 to 10,000 microinches
Pickup Energizing Frequency...100 KC
Frequency response (when used with Brush Direct Inking Oscillograph)...Essentially uniform d-c to 100 cps.
Output impedance...50 ohms (not to be loaded with less than 150 ohms)
Feeler Arm travel...0.015 in.

Feeler Arm force...Adjustable, min. approx. 1 oz.
Amplifier Dimensions...17 1/4" L 11" W 7 1/2" H
Power required...135 w at 100 to 125 v, 60 cps
Weight...30 lbs.
Tubes required...2-6J7, 1-6C5, 1-6H6, 1-6SN7GT, 2-6V6, 1-5U4, 2-VR150, 1-VR105, 1-VR75

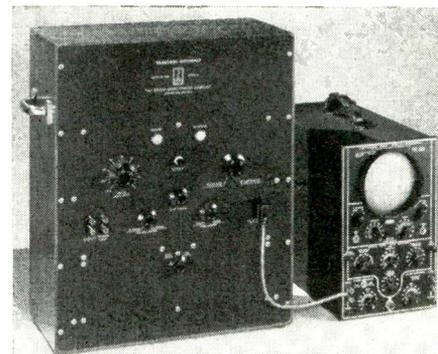
BL-202 DOUBLE CHANNEL MAGNETIC OSCILLOGRAPH



Complete instrument for use when 2 simultaneous recordings desired—as in synchronizing problems. Heart of oscillograph is magnetic penmotor, reproducing electrical signals in the frequency range from dc to 120 cps. 3 speed paper drive provided, adequate for virtually every recording need. A hinged door in the cover permits access to inkwell, pen and chart paper for minor adjustments and notations. Entire cover may be easily removed for reloading chart paper, etc. Also supplied in a single channel model, with one BL-902 penmotor in the same chassis, known as the Model BL-201. Each model is furnished with one 2 oz. bottle of both purple and green charting ink and 6 rolls of chart paper.

Chart paper...BL-202—3 15/16" W
BL-201—2 3/8" W 5mm. longitudinal divisions 1 mm. transverse divisions
Paper speeds...5, 25 and 125 mm./sec.
Chart Drive Motor...105-125 v, 50 to 60 cycles, 40 w, synchronous

Net wghts...BL-201—20 lbs. BL-202—25 lbs.
Shipping wghts...BL-201—23 lbs. BL-202—28 lbs.
Dimensions...6 7/8" H 6 1/2" W 14 7/8" L



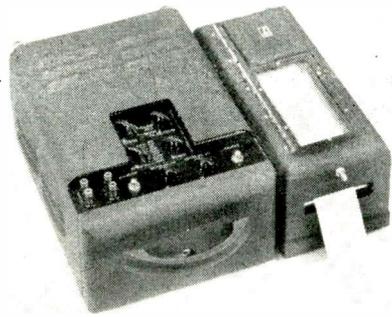
BL-502 TRANSIENT RECORDER

Designed to record and graphically represent varied transient phenomena of 2/10 sec. or less. Transient phenomena capable of being converted into electrical impulses recorded and reproduced automatically. Such transients as vibrations, explosion waves, light flashes, welding cycles, etc. are a few that can be recorded. Reproduction repeats continuously for visual analysis by a cathode ray oscilloscope. Signals photographed in entirety or expanded on oscilloscope screen to show detail. Any good quality oscilloscope with low-frequency sweep may be used. Results accomplished by magnetically recording on rapidly moving steel tape a frequency modulated high-frequency carrier. Reset button clears tape and prepares it for new record.

Frequency Range...1 to 1000 cps; down 13 db at 2000 cps
Carrier Frequency...10,000 cps
Rec. Time with 33" Tape...1 sec. 66" Tape...2 sec.
Sig. to Noise Ratio...45 db
Percentage Distortion...Less than 4%
Input Signal Range for Full Modulation...1 v peak (min.) 250 v peak (max.)

Input Impedance...100,000 ohms
Output Impedance...20,000 ohms
Trigger Circuit...Internal or External
Power Requirements...175 w 105-125 v, 60 cycles
Dimensions...23 1/2" x 10" x 19 3/8"
Net Wgt...85 lbs.
Shipping Wgt...165 lbs.

THE BRUSH DEVELOPMENT



BL-310 STRAIN ANALYZER

DIRECT RECORDING
When used with Brush Magnetic Direct Inking Oscillograph, is a complete package unit for measurement of strains. Simply operated, producing records which are immediately available and easily interpreted. Records either static or dynamic strains up to 100 cps, and direction as well as magnitude of the measured strain can be read from the

chart. Contains two legs of the Wheatstone bridge network. Third and fourth legs are connected externally by the user, one being the active gage, the other for sensitivity doubling, or temperature compensation. Resistance and phase balancing controls provided on the panel of the amplifier. Provision is made for connecting an internal calibrating resistor in the bridge circuit and adjusting the overall gain. Readily calibrated for individual gages, so that strain can be read directly in microinches per inch from the chart deflection. Can be used for record pressures, temperatures, accelerations, forces, etc., provided the equipment is calibrated in terms of the particular pickup used. The output consists of 3 stages, direct coupled, designed to match characteristics of direct inking oscillograph. This section may be used as general purpose, low gain d-c amplifier with gain and centering controls provided. May be adapted for use with Esterline-Angus or other similar graphic recorders.

Recommended gages...120 ohms (higher resistance gages may be used)
Range of measurable strain...10 to 40,000 microinches/inch (with one active gage)
Frequency response (when used with Brush Direct Inking Oscillograph)...d-c to 120 cps
Bridge Energizing Frequency...2000 cps

Output Impedance...Approx. 50 ohms (not to be loaded with less than 1500 ohms)
Power required...135 w at 100 to 125 v, 60 cps
Dimensions 17 1/4" long x 11" wide x 7 1/2" high
Weights...30 lbs.
Tubes required...2-6SF5, 1-6C5, 1-6H6, 1-6SN7, 2-6V6, 2-VR150, 1-VR105, 1-VR75, 1-5U4G

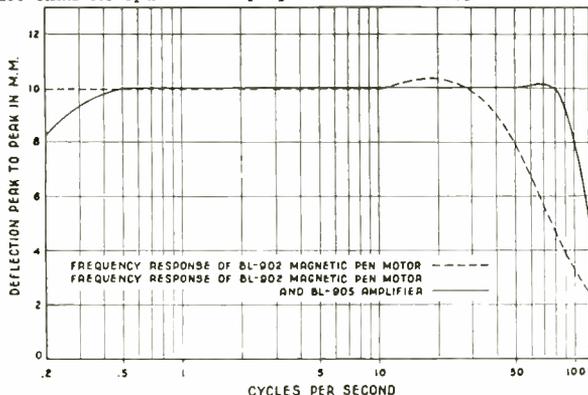
BL-902 MAGNETIC PENMOTOR:

High speed direct-writing element for use where instantaneous record is needed. Highly stable and accurate. Flat frequency response and linear phase shift with frequency permit accurate reproduction of both transient phenomena and steady state signals. Construction permits use under virtually any temperature or climatic conditions. Available as a separate unit. It is well adapted for use in field of electrocardiography, geophysical and seismic recording, any special laboratory measurements of every description.

SPECIFICATIONS

MINIMUM SENSITIVITY
1.1 mm per volt
1.6 mm per milliampers
16 volts RMS...full scale
IMPEDANCE
1500 ohms, resistive
DRIVER IMPEDANCE
250 ohms for optimum damping

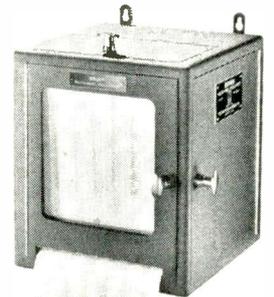
(Without Amplifier)
AMPLITUDE
44 mm maximum (peak to peak)
0-70 cps
20 mm maximum...70-120 cps
DIMENSIONS
Height...5"
Width (minus pen)...4"
Thickness...1 5/8"



BL-206 SIX-CHANNEL MAGNETIC OSCILLOGRAPH

Consists of 6 magnetic penmotors mounted in a line, recording on 12" wide chart paper. Dust-proof case. Chart paper may be torn off, or re-rolled as desired. Paper speeds from 0.1" to 5"/sec. Built in gear changer provides instantaneous shift from high to low speed. The 6-channel oscillograph provides excellent recording medium for multiple strain gauge recording, vibration analysis, wind tunnel work, etc. Either D.C. or A.C. circuits may be measured. Assures uniform frequency response and linear phase shift with frequency. Furnished with or without BL-905 amplifiers. When equipped with amplifiers, a junction box is supplied, providing a convenient method for making necessary connections. (Designated as Model BL-216)

Dimensions...20 1/4" High 17 3/8" Wide 16 3/4" deep
Net Weights...BL-206—165 lbs. BL-216—270 lbs.
Shipping weights...BL-206—270 lbs. BL-216—450 lbs.
Chart paper...radially ruled 850 foot rolls 12" wide
Chart speeds...Optional 0.1 to 5" per sec. Gear speed changer reduces speed by a factor of 6.25.
Voltage requirements...105 to 125 v, 50 to 60 cycles. BL-206—140 w BL-216—500 w



BL-103 SURFACE ANALYZER



For exploration, and instantaneous charting of surface finishes—metals, glass, plastics, paper, plated and painted surfaces from less than 1 to 5000 microinches. Complete with PA-2 Pickup Arm, Drive Head, Amplifier, Magnetic Oscillograph, Surface Plate, Carrying Cases, Glass Calibration Standard, 2V-Blocks, 6 rolls Chart paper, one 2 oz. bottle Red ink, connecting cords and operating instructions. BRUSH "RMS" METER: "average reading" type calibrated in terms of the "RMS" value of an equivalent sine wave. Provides constant visual check of "RMS" surface roughness where "hill and dale" chart profiles are not needed. Convenient to read because of a large illuminated dial. The "RMS" Meter may be purchased separately or with the Surface Analyzer.

SPECIFICATIONS

ROUGHNESS RANGE—1/2 to 125 microinches (may be extended)
POWER REQUIREMENTS—105 watts, 105-125 volts, 50-60 cycles
DRIVE HEAD—Model DA-2
STROKE—1/16" reciprocal .0125" per second
Complete Cycle—10 seconds
Height Adjustment—7 inches
PICKUP—Model PA-2
Roughness Range—1/2 to 125 microinches "RMS"
Exploring Stylus—Diamond, .0005" tip radius
Minimum Bore—250" dia. x 750" depth
Maximum Penetration—4" for dia. 1.125" or greater
CALIBRATING AMPLIFIER
Maximum Voltage Gain—2000 times
Input Voltage Range—.001 to 300 volts
Maximum Output Voltage—22 volts peak
Input Impedance—10 megohms
MAGNETIC OSCILLOGRAPH—Model BL-201
Frequency Response—1/4 to 120 cps with BL-905 amplifier
Chart Speeds—5, 25, 125 mm. per second
Chart Drive—Synchronous Motor
MODEL BL-106 "RMS" METER
Scales—3 and 10 microinch
Frequency Range—1/4 to 120 cps
Circuit—Rectifier type meter reads true "RMS" value of a Sinusoidal input signal.

COMPANY

3405 Perkins Avenue
Cleveland 14, Ohio, U.S.A.

Easy on the Ears...

TELEX MONOSET*—Under Chin Headset

Stethoscope design of the Telex *Monoset* eliminates tiresome pressure—instrument swings lightly *under* the chin. Wear it for hours without fatigue!

Telex *Monoset* sends signal directly into both ears, blocking out background noise. Built of durable Tenite, the *Monoset* is excellent for communications, office dictation equipment, aircraft radio, wired sound installations, dental offices and beauty shops. Choice of five-foot cords: standard, or with built-in volume control.



TELEX TWINSET*—Nothing Need Touch Ears!

Here's the lightest twin-receiver headset made—Telex *Twinset* weighs only 1.6 oz! In-phase receivers assure excellent sensitivity and full-range high fidelity, non-resonating sound reproduction . . . eliminate listening fatigue. Adjustable, self-locking sound arm may fit into the ear, or may be moved a fraction of an inch away, so that *nothing* touches the ear.

Telex *Twinset* adjusts simply to any shape head, without pinching or pressure. So flexible it may be coiled up and slipped into the pocket! Perfect for any headset need—amateur, experimental, commercial. Special cord with built-in volume control available.



TELEX Earset*—Slips onto the Ear

Unlimited earphone applications are possible with the new Telex *Earset*. Weighing only 1/2 oz., this entirely new conception in earphone design finds a ready welcome among stenographers, technicians—all who use single-phone headsets.

Earset's flat plastic frame slips onto the ear, holds the sensitive receiver securely in place. User's other ear is always free for phone calls or conversation. Telex *Earset* won't fall or slide off—fits either right or left ear, may be worn by anyone without special adaptation.



TELEX PILLOW SPEAKER— For private radio listening

Solves the problem of radio listening without disturbing others—in hospitals, hotels, trains, buses, institutions. Telex Pillow Speaker tucks away beneath pillow, headrest or cushion—makes possible perfect individual reception!

Palm-sized, weighs only 1.1 ounces, yet virtually unbreakable. Easily sterilized in alcohol. Entire assembly completely shock-proof. Detachable flexible cord.

*Trademark



For further information write

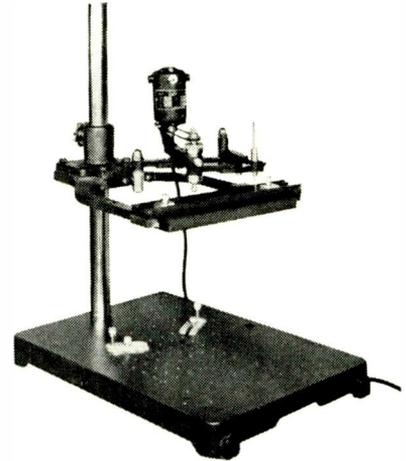
TELEX

DEPT. P-6,
TELEX PARK
MINNEAPOLIS, MINNESOTA



—MICO— ENGRAVER

Model 253 For LARGE PANELS



A further adaptation of the already proven model 252 Mico Engraver. Permits accurate engraving on metal or plastic panels up to 19 inches wide and of unlimited length. Maximum height of work above table, 19 inches. Micrometer spindle and four reduction ratios are standard equipment.

MICO INSTRUMENT CO.
76E TROWBRIDGE STREET DEPT. 1
CAMBRIDGE 38, MASS.

NOT...

until next year
will you get another

electronics BUYERS' GUIDE

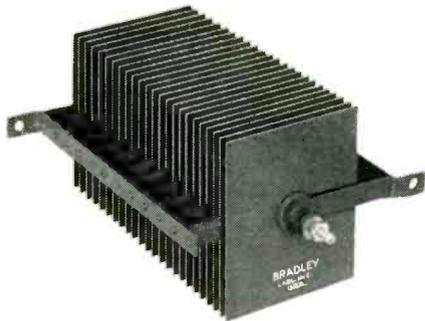
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of buying information
for electronic
and allied products
that has ever
been compiled.

When buying, or requesting product information be sure to mention
ELECTRONICS BUYERS' GUIDE.

THE BRADLEY LINE

• SELENIUM RECTIFIERS •



HIGH CURRENT USES

SE11X-Series

Bradley's exclusive Vacuum-Processed Selenium Rectifiers provide good efficiency and stability at D.C. ratings up to 18 volts per plate. Square plates afford a maximum ratio of rating to space factor. Forced cooling gives higher current per plate. Plate size up to 5" x 6". Rated up to thousands of amperes. Consult Bradley engineers for best rectifier for your need.

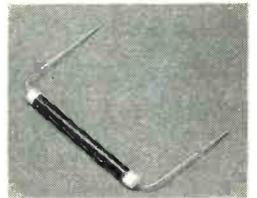


MEDIUM POWER USES

SE11-Series

Rated from 50 ma up, these Bradley exclusive Vacuum-Processed rectifiers are available in half-wave, full-wave bridge, voltage multiplier, center-tap full-wave, polyphase and special connections. Aluminum plates, improved assembly hardware afford best thermal characteristics and economy in size and weight. Hermetically-sealed or protectively coated.

HIGH VOLTAGE USES



SE8L-Series

Rated at 1.5 ma, half-wave, this rectifier has a 1/4" diameter housing available in lengths up to 3". Tinned pig-tail contacts.



SE6M-Series

For high voltage electronic applications, these rectifiers are rated up to 70 volts peak inverse per plate. Current rating up to 10 ma D.C. Hermetically-sealed in 1/2" diameter glass tubes.

• COPPER OXIDE RECTIFIERS •



CX3E-Series

Modulators and balanced bridges rated up to 12 volts A.C., 8 volts D.C., 5 ma D.C. Detect phase differentials in A.C. current and small D.C. potentials applied to balanced A.C. circuits. Current and temperature characteristics precision balanced over a range of -55°C to +70°C.



CX4D-Series

High conversion ratio rectifiers for electronic control and instrument work, rated up to 100 ma, and up to 12 volts A.C. Completely enclosed. Supplied with 3" flexible leads.



Instrument Applications

CX2E-Series

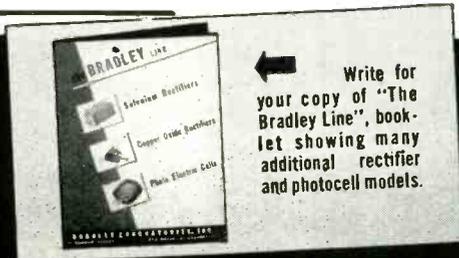
Rated up to 6 volts A.C., 5 volts D.C., 5 ma D.C. Vacuum-processed pellets with gold contacts. Maximum efficiency and minimum temperature errors. Aging is practically eliminated. Bradley "Coprox" rectifiers mean more accurate electrical instruments.

PHOTOELECTRIC CELLS



BRADLEY LUXTRON®

Photocells convert light directly into electric energy, without external power source, for direct operation of meters and meter relays. They are versatile, rugged, true to rating, simple to install. Wide range of models, sizes and shapes.



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TRANSVISION Soldetron

Trade Mark Reg., U.S. Pat. Off., Pat. Pend.

Yes, without obligation, try this great new soldering iron for 10 days!

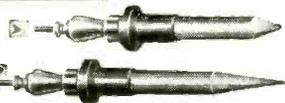
- Weighs only 3 ounces, yet it can do the job of a 200 watt iron.
- Readily interchangeable tip-heads; no cleaning or filing.
- Easy to use for every type of soldering.

Fingertip control . . . Permits long periods of soldering without fatigue
High working output . . .
Low current drain.



IDEAL FOR PRECISION WORK: Revolutionary in design, this featherweight precision iron has all the advantages of light weight and small size, making it ideal for fine precision work in "hard-to-reach" places.

Ready for attachment and operation on 110 V A.C., 50-60 cycles, through transformer supplied with iron, or 6-8 volt A.C. or D.C. without transformer (from an automobile battery).



Overall size 9 1/4" x 15/16"; ship. wt. approx. 4 lbs.



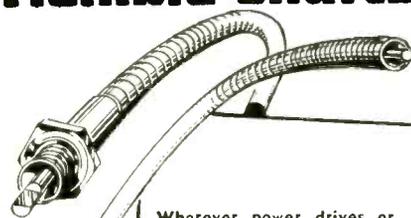
NEW FEATURES: Weighs only 3 ounces . . . Heats up rapidly from a cold start . . . Fingertip button permits control of temperature to suit any operation . . . Retains heat with switch off up to one minute, then requires only 3 seconds to reheat for operation at maximum efficiency . . . Bakelite handle with cork covering insures comfortable cool grip.

EFFICIENT, ECONOMICAL: The "Soldetron" pays for itself in a few months . . . Intermittent control feature minimizes tip corrosion and eliminates the need for frequent cleaning . . . Long, thin tip permits soldering in inaccessible places as in instrument work, etc. . . . Tip-heads are interchanged in a jiffy . . . Various types are available, and can be removed and inserted in one easy motion . . . No more fussing with frozen tips . . . Heater element is incorporated in each tip-head . . . To test the life of the tip-heads they were heated to approximately 1800°F.; during this severe test, the tip-heads did not burn out.

For **FREE TRIAL**, write on your company letterhead today, to:—

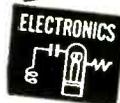
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MODEL 204A REGULATED POWER SUPPLY

**0-500 VOLTS D.C. AT
 300 MA. WITH POSITIVE
 OR NEGATIVE GROUND**

The Model 204A Regulated Power Supply will provide from 0-500 volts of well regulated and well filtered D.C. The output voltage is continuously variable without switching and either positive or negative side may be grounded.

SPECIFICATIONS:

OUTPUT VOLTAGE

High Voltage: 0-500 Volts D.C. continuously variable (Without switching).
 Current: 300 Ma.

Low A.C. Voltage: 6.3 Volts A.C. at 6 amps. center-tapped, unregulated.

REGULATION

Within 1% for voltage between 30-500 volts, from no load to full load.

Within 1% for line voltage variations from 105 to 125 volts at full load current for any voltage between 30-500 volts and within 2% at 10 volts.

HUM VOLTAGE

Within 10 Millivolts at any voltage or load within ratings.

LINE INPUT

105-125 Volts A.C. 50-60 cycles.

OUTPUT TERMINATIONS

High and low voltage outputs available from front and rear of unit. Positive or negative terminal of high voltage output may be grounded as desired.

Detailed specifications will be forwarded upon request without obligation.



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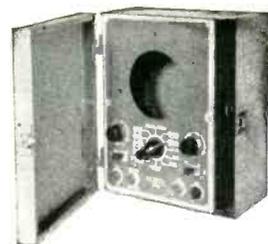
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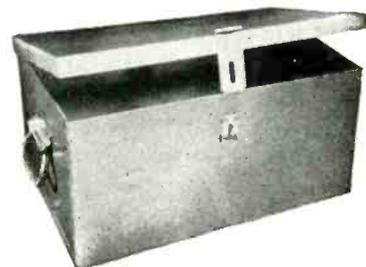
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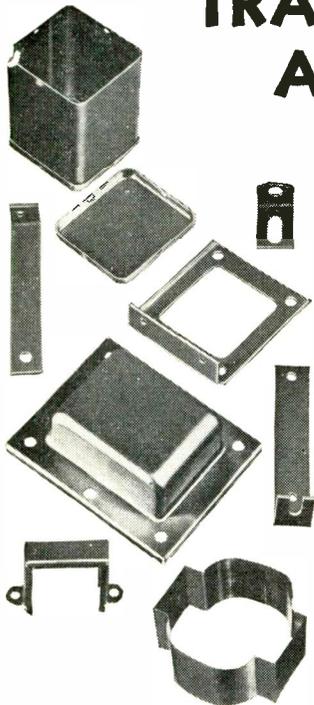
Olympic manufactures a complete range of standard transformer cases and components, available from stock in sizes specifically designed for standard size cores.

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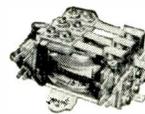


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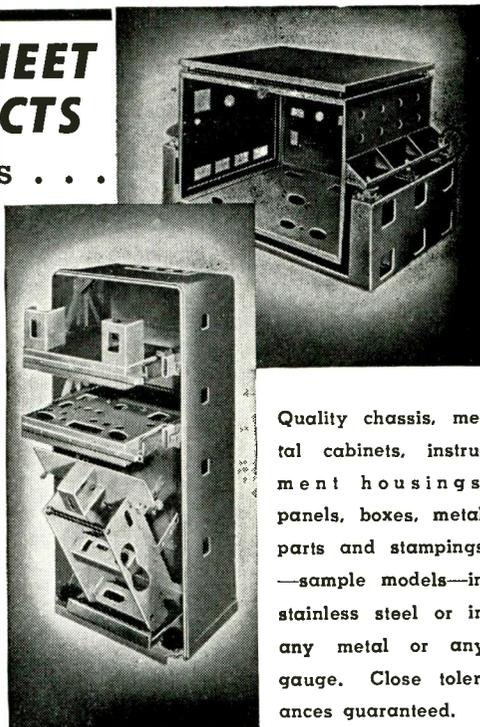
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Quality chassis, metal cabinets, instrument housings, panels, boxes, metal parts and stampings—sample models—in stainless steel or in any metal or any gauge. Close tolerances guaranteed.

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Crystal
Control
For
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HSM SERIES — Plated quartz crystals hermetically sealed in metal holders.

Technical Characteristics

Capacitance—5 mmf maximum
Circuit information:
fundamental types—series or parallel resonance with 32 mmf or 12 mmf load
harmonic types—series resonance
Frequency range—80 kc to 100 mc
Frequency calibration—.02% to .001%
Frequency stability—.02% to .003% (—55 to +90°C)
Mode of oscillation:
fundamental—80 kc to 20,000 kc
3rd harmonic—12 mc to 50 mc
5th harmonic—40 mc to 75 mc
7th harmonic—75 mc to 100 mc
Mounting—std 1/2", octal or wire leads
Resistance—60 ohms to 10 ohms
Specifications—CAA, FCC, JAN, SigC, or USN

PM SERIES—Quartz crystals pressure or spacer mounted between stainless steel electrodes and sealed in phenolic holders.

Technical Characteristics

Frequency range—500 kc to 30 mc
Frequency calibration—.02% to .005%
Frequency stability—.02% to .01% (—55 to +90°C)
Mode of oscillation:
fundamental—500 kc to 20 mc
3rd harmonic—12 mc to 30 mc
Mounting—1/2", 3/4", 3 prong, octal or lug
Specifications—CAA, FCC, JAN, SigC, or USN

CRYSTAL OVENS—Compact thermostatically controlled heater units for stabilized frequencies.

Technical Characteristics

Frequency range—50 kc to 100 mc
Operating voltage—6, 12, or 24 volts, ac or dc
Stability—±3°C to ±1 1/2°C
Temperature range—35°C to 75°C
Temperature rise—12.5°C/min, average —55 to +70°C
Mounting—octal or 5 prong base

ULTRASONIC CRYSTALS—Quartz crystal resonators plated and contoured for ultrasonic applications

Technical Characteristics

Frequency range—250 kc to 30 mc
Frequency calibration—2% to .01%
Type of crystal—X-cut Brazilian quartz or tourmaline
Plating—aluminum, chromium, copper, gold, nickel or silver
Lateral dimensions—1 cm to 10 cm diameter or 1 cm to 7 cm square
Surfaces—plano, plano-concave, or concave-convex
Finishes—etched or polished
Contours—10 cm to 100 cm radius of curvature or flat
Mountings—transducers for use in insulating or conducting liquids or in air

ULTRASONIC GENERATORS — Complete with crystal transducer ready for use in experimental or production work

- 200 watts to 2 kw output
- 60 kc to 30 mc frequency range
- built-in impedance matching network
- positive action safety controls

SECONDARY STANDARDS OF FREQUENCY

- Crystal controlled with 1000 kc crystal in oven
- 1000 kc, 100 kc and 10 kc intervals
- 50 kc, 25 kc and 5 kc multivibrators optional
- regulated power supply optional

SPECIAL CRYSTALS—Special quartz crystals fabricated to customer specifications for any electronic or optical application

Clark Crystal Company

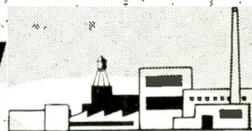
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Toroidal Inductances wound on Molybdenum Permalloy compressed powdered dust cores are available in all practical inductance values. Several core sizes and types are stocked making it possible to supply high Q inductances, especially suitable for *your* frequency and load ranges. We supply Inductoroids either cased or uncased

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Because of their high Q, great inductance stability, and extremely low pick-up from external fields toroidal coils are highly desirable for such applications as wave filters, equalizers, and similar circuits. We supply these networks built to meet your circuit specifications or we will design and build such networks to meet your performance specifications.

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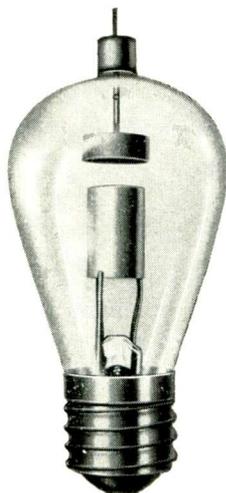
ELECTRONIC TUBES FOR EVERY PURPOSE

The CETRON line of electronic tubes is complete in phototubes, lead sulfide cells, rectifiers, thyatron, and special electronic tubes developed to fit a specific need.

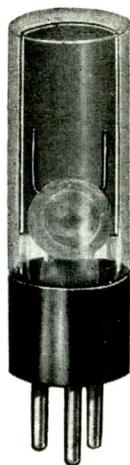
For over twenty years CETRON has been supplying electronic tubes to industries the world over.

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DESIGNED for use in industry, school and laboratory these power supplies are ruggedly constructed and conservatively rated for long and dependable service. Attractively styled and priced, these units have found wide acceptance. They are also available in complete kit form for maximum economy. The following characteristics apply to the models listed below:

CHARACTERISTICS

INPUT: 105-125V/50-60cps/100 volts.
OUTPUT: Variable from 200 to 325/DC @ 100ma regulated, 6.3VAC CT @ 3A unregulated. REGULATION: Less than 1% no load to full load. Less than 1% for line voltage variation 105 to 125 volts. NOISE AND RIPPLE OUTPUT: Less than 10 mv rms for above ratings. TUBE COMPLEMENT: 5V4G, VR-105, 6SH7, 2-6Y6G. DC OUTPUT CONNECTIONS: Either positive or negative may be grounded.

BENCH MODEL 25



COMPACT AND LIGHT WEIGHT

Functionally designed for maximum convenience in operation. Six sturdy, insulated, "5-way" output terminal posts. Grey finish. 14" wide, 6" deep, 8" high. Weight 17 pounds.
Model 25 \$39.95
Model 25K Complete kit 29.95
f.o.b. Corona, N. Y.

RACK MODEL 28



COMPACT UNIT FOR STANDARD RACK MOUNTING

Rear access terminal board. Panel 19"x5 1/4". Black wrinkle finish (grey optional). Depth behind panel 7 1/2". Weight 16 pounds.
Model 28 \$34.95
Model 28K Complete kit 24.95
f.o.b. Corona, N. Y.

BASIC REGULATED POWER SUPPLY KIT MODEL 31K

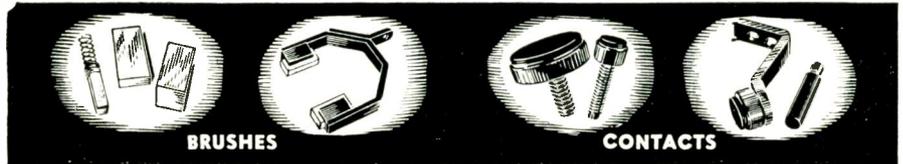
Basic kit of parts for incorporation into equipment. Comprises cased power transformer and filter choke, oil-filled capacitors, sockets, resistors, tubes and schematic diagram.

Basic Kit 31K \$14.95
f.o.b. Corona, N. Y.

LAMBDA
ELECTRONICS CORP.
103-02 NORTHERN BLVD.
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Use GRAPHALLOY Materials
for Exacting
Electric BRUSH or CONTACT Applications



The GRAPHALLOY family of metal-impregnated graphite brush and contact materials is specially designed for a wide range of applications requiring very low contact drop, very low electrical brush noise level or non-welding contact operation. Made by impregnating metals into solid graphite, they are inherently fitted for high speed, high altitude applications and for low-current circuits. Certain types are valuable for their arc-quenching characteristics in opening inductive circuits.

A few of the more commonly used types are given in the following table:

Material	LOW-METAL GRADES	
	Typical Current Density* Amperes per Square Inch	Typical Rubbing Speeds Feet per Minute
Silver GRAPHALLOY	100-150 and higher	5000
Copper GRAPHALLOY	90	3000
Cadmium GRAPHALLOY	75	4000
HIGH-METAL GRADES		
Copper GRAPHALLOY	100-125	3000
Special Copper GRAPHALLOY	150	3000

*Depending on brush size.

Silver GRAPHALLOY, the supreme brush material, is widely used in brush applications where low, constant contact drop and low resistance are needed and where a low electrical noise level is imperative. Its high quality results from the use of extremely pure silver for impregnation into the graphite. Adapted for high-altitude brush applications and for low current circuits. It operates best against coin-silver slip rings.

As a non-welding contact material, Silver GRAPHALLOY is valuable in circuits where a low and constant contact drop are necessary or where contact welding must be prevented.

Copper GRAPHALLOY — This material is widely used as brush material for small and medium sized motors and generators where long brush and commutator life are important.

As a contact, certain types are extensively used for arcing and main contact tips in circuit breakers and contactors.

Cadmium GRAPHALLOY — This material is particularly adapted for commutating or opening circuits which are subject to heavy inductive arcing. The arc quenching characteristics of

the Cadmium vapor which is released during arcing make this material very valuable for high duty contactors and for brush applications where wear conditions and arcing are severe.

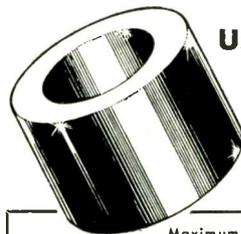
HIGH METAL TYPES

Copper GRAPHALLOY is extensively used for rotary converter slip ring brushes, plating generator brushes and for other applications requiring extremely high current carrying capacity with low or moderate friction.

Special Copper GRAPHALLOY grades have been developed for contacts which are required to carry extremely high operating current without overheating and without sacrificing arc-quenching qualities.

APPLICATION DATA

Upon receipt of a brief description of your contact or brush problem we shall be glad to suggest a suitable design and material. We suggest that you send the current and voltage conditions, proposed rubbing speed, commutator or slip ring width and material. Send for our special brush inquiry sheet which outlines the required information.



Use GRAPHALLOY for

OILLESS BUSHINGS

CHARACTERISTICS OF COMMONLY USED GRAPHALLOY GRADES

Material	Maximum Ambient Temperature	
	In Air	In non-oxidizing conditions
Babbitt GRAPHALLOY	300	300
Copper	700	1700
Bronze	600	600
Cadmium	250	550
Silver	700	1500

Coefficient of friction, .12 to .25, dry; .02 to .13 submerged.

Specify GRAPHALLOY materials which contain no oil and need no oil for efficient operation dry, submerged in liquids, or at extremely high or low temperatures where ordinary lubricants would carbonize, congeal or decompose.

Excellent for current carrying bushings.

Widely used for pump bushings and vanes, seal rings, stoker and high temperature conveyor bushings.

Ideal for use where ordinary bushing lubricants would contaminate food products.

Send for further information. Or, if you have a specific application, supply us the details of speed, load, shaft material and temperature conditions and we shall be glad to make recommendations or supply test samples.

Call on the accumulated design experience of our engineers for help in solving your problem.

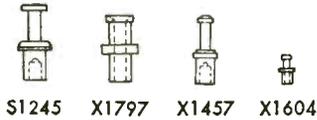
GRAPHITE METALLIZING CORPORATION
1041 NEPPERHAN AVE • YONKERS, NEW YORK

CAMBRIDGE THERMIONIC CORPORATION

Electrical and Electronic Components and Hardware

SHORT LUGS (All Terminal Lugs shown actual size unless otherwise specified. All Lugs silver-plated brass.)

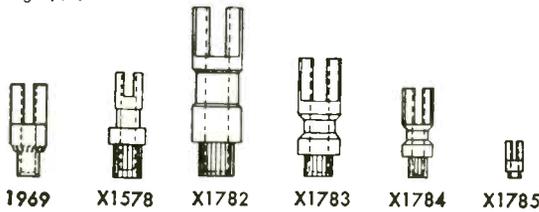
For low "headroom" applications. Available in shank lengths for 6 board thicknesses, starting with 1/64".



TURRET LUGS. With 2 soldering spaces for 2 or more connections. Stocked in 1/32", 1/16", 3/32", 1/8", 3/16", 1/4" sizes for standard phenolic terminal board thicknesses.

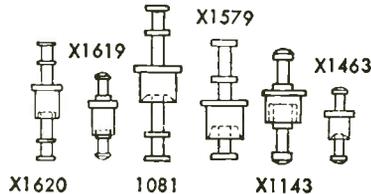


SPLIT LUGS (Knurled). For potted units where later soldering is advisable, as well as standard applications. Hole through shaft allows top or bottom wiring. To fit standard board thicknesses from 1/64" through 1/4".



DOUBLE END LUGS

Provide terminal posts on both sides of board with through connection for easy wiring. For board thicknesses from 1/32" to 1/4". X1619 & 1620 shown half size.



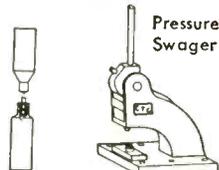
X1898. Combination Lug. Screw on top . . . solder terminal below. Designed as a rugged swaged terminal for top and bottom wiring applications. Available at present in 3 diameters and lengths for 3 board thicknesses (3/32", 1/8" and 3/16").



SWAGERS

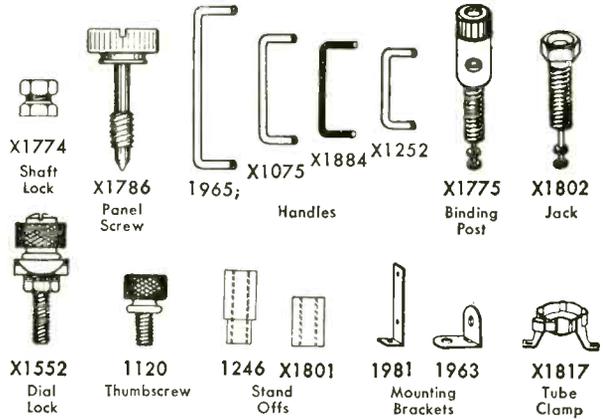
H. S. (Hand) Swagers are sold outright in sizes for any CTC Terminal Lug.

Pressure Swagers. Supplied with dies for one type terminal on loan basis. Extra dies or unit with dies may be bought outright.



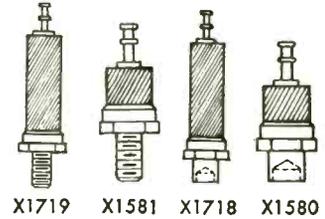
HS Series

HARDWARE. Miscellaneous hardware as shown.



INSULATED TERMINALS

Two sizes in rivet or stud type, for high electrical stresses over broad humidity range. Phenolic insulator with X1558 Turret Lug. Voltage breakdown X1719, X1718, 11,000V at 60 cycles RMS. X1581, X1580, 6000V.

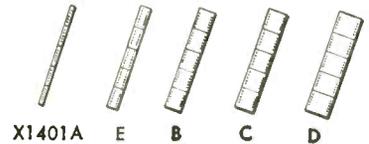


INSULATED FEED THROUGHS

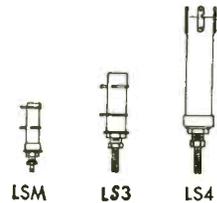
Ruggedly constructed to withstand vibration and shock without loosening. Approved XXX phenolic insulating material. Brass bushings, nickel plated. Brass through-terminals, silver plated for easy soldering.



TERMINAL BOARDS. Of laminated phenolic. Using #1724 lugs, board available in 4 widths: 1/2", 2", 2 1/2" and 3"; in 3/32", 1/8" and 3/16" thicknesses. Using X1558 lugs, 1 style available, 1 1/16" wide, in 1/16" or 3/32" thicknesses. All boards in 5-section units, scribed for easy separation. Each section has 10 lugs in 2 rows. (X1401A has 5 lugs, 1 row.)

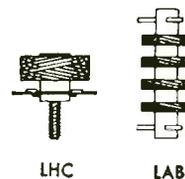


SLUG TUNED COILS. Miniature variable inductors. LSM 27/32" high, LS3 1 1/8" high when mounted. Both in 5 standard windings (1, 5, 10, 30, 60 mc) also special windings or as high quality phenolic coil forms. Performance charts available. LS4 (coil form only) 2" high.



R. F. CHOKES. LHC — high Q iron core choke with 6-32 mounting stud, in 8 standard values from 2.5 mh to 125.0 mh.

LAB — Pie wound on phenolic core with cotter pin terminals in 8 windings from .75 mh to 15.0 mh. Current rating for both — 125 ma.



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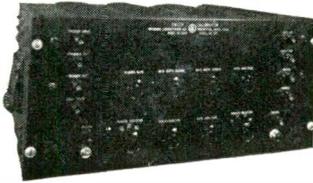
CAMBRIDGE THERMIONIC CORPORATION • 438 CONCORD AVE., CAMBRIDGE 38, MASS.

Browning INSTRUMENTS

Engineered for Engineers

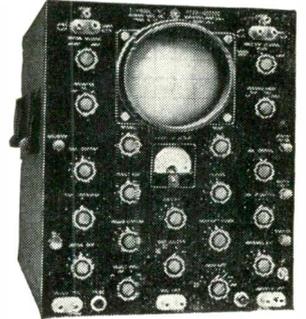
The features described here are merely the highlights of this Browning equipment... write for data bulletins giving detailed specifications, circuit design, and operation of these instruments.

SWEEP CALIBRATOR



For use with oscilloscopes and synchrosopes. Model GL-22 accurately calibrates sweep time intervals. Markers provided at 0.1, 0.5, 1, 10, and 100 microsecond intervals may be applied as deflection or as intensity modulation. May be triggered directly from OL-15B.

OSCILLOSYNCHROSCOPE



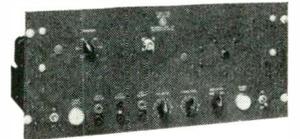
An outstandingly versatile instrument, Model OL-15B combines the functions of oscilloscope and synchroscope for application in laboratory and industrial testing in television, facsimile, pulse modulation, radar, nuclear physics, and communications circuits. Wide-range amplifiers assure faithful reproduction of 100 KC square wave rising or falling at 500 volts per microsecond.

LABORATORY AMPLIFIER



Model TAA-16 is designed for use with square-law-detector probes and slotted wave-guides in determination of standing-wave voltage ratio. Operating frequencies 500 to 5000 cycles, wide band or highly selective. Full-scale readings with less than 15 μ -volts at input with wide band, 10 μ -volts with selective operation.

POWER SUPPLY



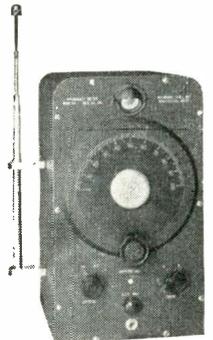
Comprising a regulated power supply and square-wave modulator for low-powered velocity-modulated tubes. Model TVN-7 is the basic unit for laboratory type micro-wave signal generator. Modulation is square-wave, FM, or pulse. Cathode voltage 280-480 volts, continuously variable, reducible to 180-300 volt range.

SYNCHROSCOPE



Designed for triggering a radar modulator at one of four repetition rates and for viewing various voltage pulses present in the circuit. Model P-4-E may be used for observation of any recurrent phenomenon that can be externally triggered between 500 and 4000 c.p.s. Modulation envelope of any triggered r.f. source may be viewed if arranged to feed 50-ohm detector input.

FREQUENCY METER



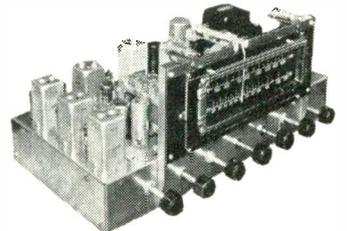
Dependable, compact, easy to use... Model S-7 is custom-built, hand-calibrated for one or two frequencies, as specified, in the 72-76 and/or 152-162 mc. bands. Single meter may be used to check both fixed and mobile units. Aural indication of zero beat. Accurate to .0025% of specified frequency. Calibration can be checked in the field.

FREQUENCY METER



Model S-5 accurately checks frequencies in one, two, or three bands, from 30 to 500 mc. Custom-built; accurate to .0025% of specified frequency. Crystal frequency stability allows extended use where it is inconvenient to check WWV signals. Calibration can be checked in the field.

FM-AM AND FM TUNERS



The new model RJ-20 FM-AM tuner, built to meet highest performance requirements, has Armstrong FM circuit, full frequency response to 15,000 cycles. Separate RF and IF for AM and AM. 9 kc. and 4 kc. bandwidths. Two-stage audio system, 20 db. boost in base or treble.

ELECTRONIC ALARM SYSTEM

Model BL-200

Super-sensitive capacitance-operated alarm system.

CAPACITANCE-OPERATED RELAY

Model DD-20 operates on circuit or capacitance changes of 0.25 mmfd. Panel meter indicates changes as low as .005 mmfd.; mechanical movements as small as .0001".

•For use with existing high-fidelity audio systems: Model RJ-12A FM-AM Tuner; Model RV-10 FM Tuner.
•For commercial communications, Type RP crystal-controlled, fixed-frequency tuners. All with Armstrong FM circuit.



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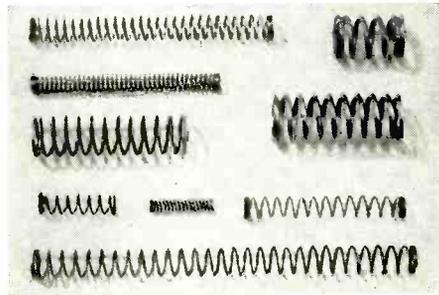
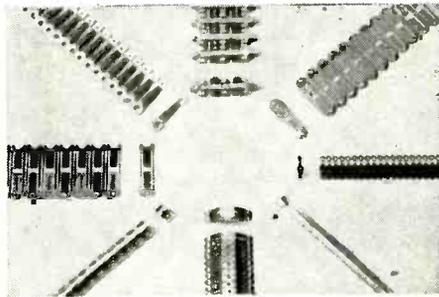
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Instrument Specialties Company specializes in the design and custom manufacture of age-hardened alloy springs. With our specially developed processes and machines, our engineers are able to

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HIGH
PRODUCTION**



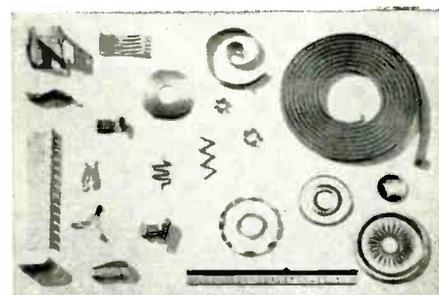
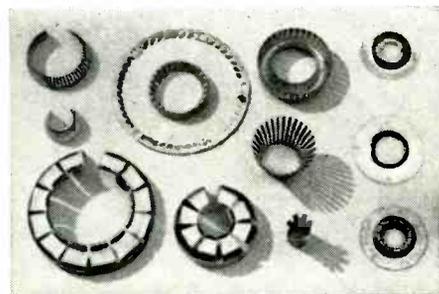
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Fabricated from beryllium copper. Easily handled, readily broken apart by hand or used in automatic or semi-automatic assembling devices and contact riveting machines. Individual pieces may be broken off without trace of burr. Eliminate sorting, untangling and handling of loose pieces. Springs may be produced in strips to various shapes; formed angles may be held within plus or minus one degree. Heat treated in multiple fixtures to insure uniformity, close tolerances and elimination of variations in spring-back.

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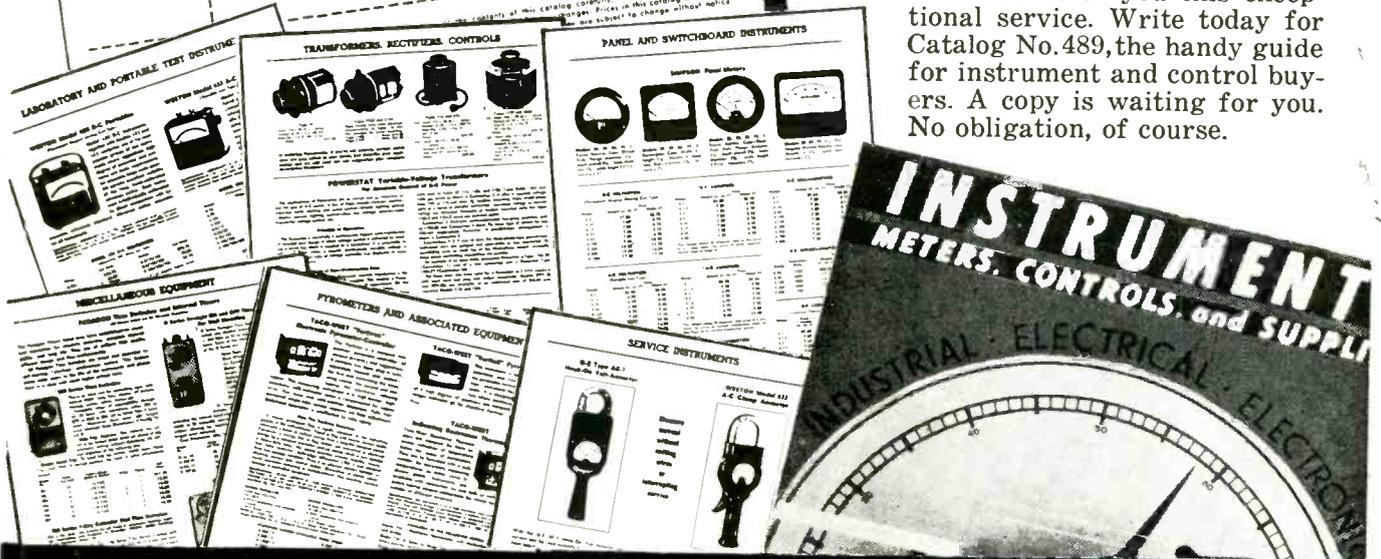
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SECTION 2	Panel and Switchboard Instruments 16-21 Including Voltmeters, Ammeters, Wattmeters, Milliammeters, Microammeters, Millivoltmeters, Frequency Meters, Watthour Meters, Shunts and Current Transformers.
SECTION 3	Pyrometers and Associated Equipment 22-27 Including Pyrometers, Controllers, Potentiometers, Temperature Recorders, Thermometers, Thermocouples.
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SECTION 5	Transformers, Rectifiers, Controls 46-54 Including Variable Voltage Transformers, Constant Voltage Transformers, Voltage Regulators, Electronic Heaters, Auto and Isolation Transformers, Battery Eliminators, Rheostats.
SECTION 6	Miscellaneous Equipment 55-64 Including Timers and Time Switches, Counters, Photo-Electric Relays, Thermostats, Solenoids and Solenoid Valves, Motor Starters, Storage Battery Tester, Hardware and Accessories.

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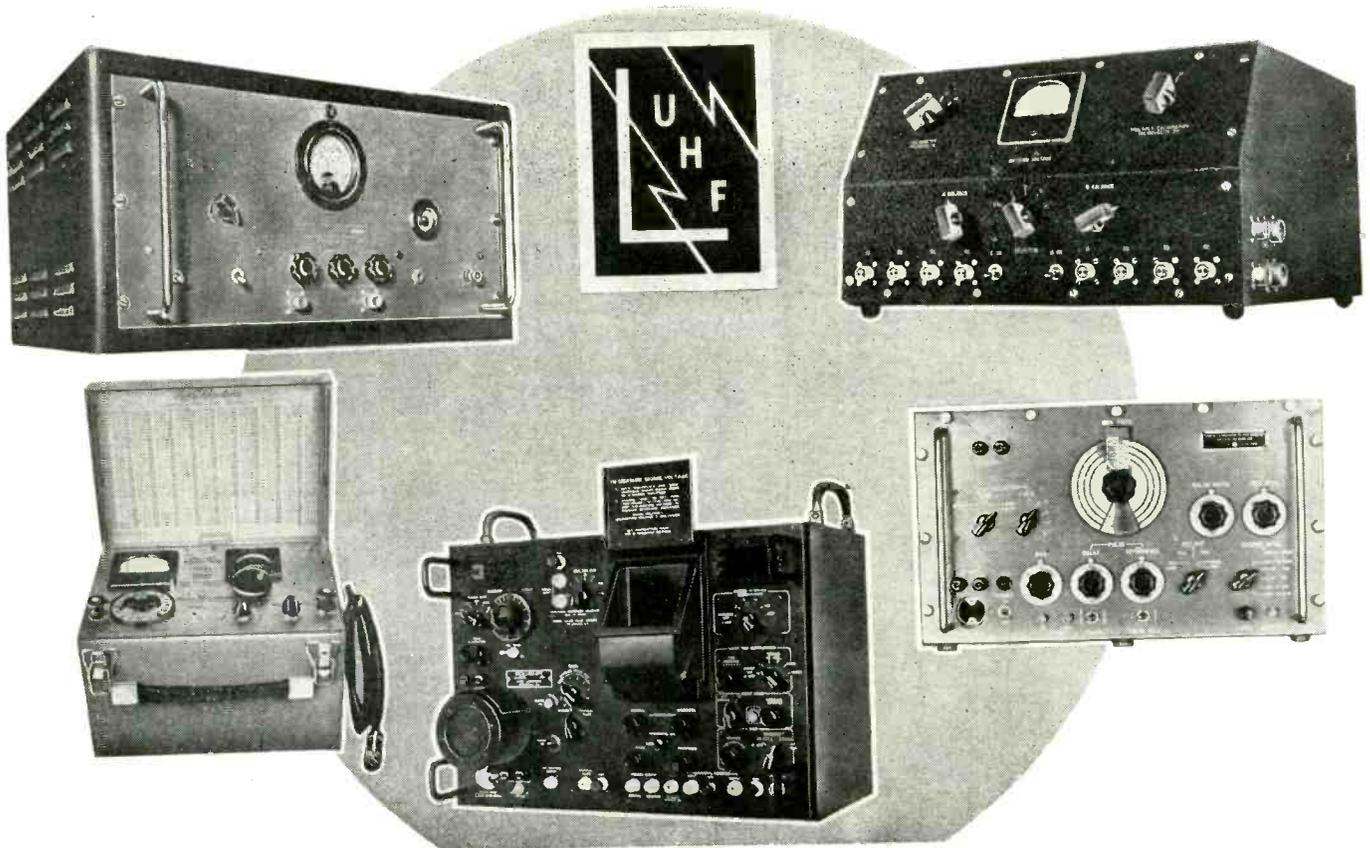
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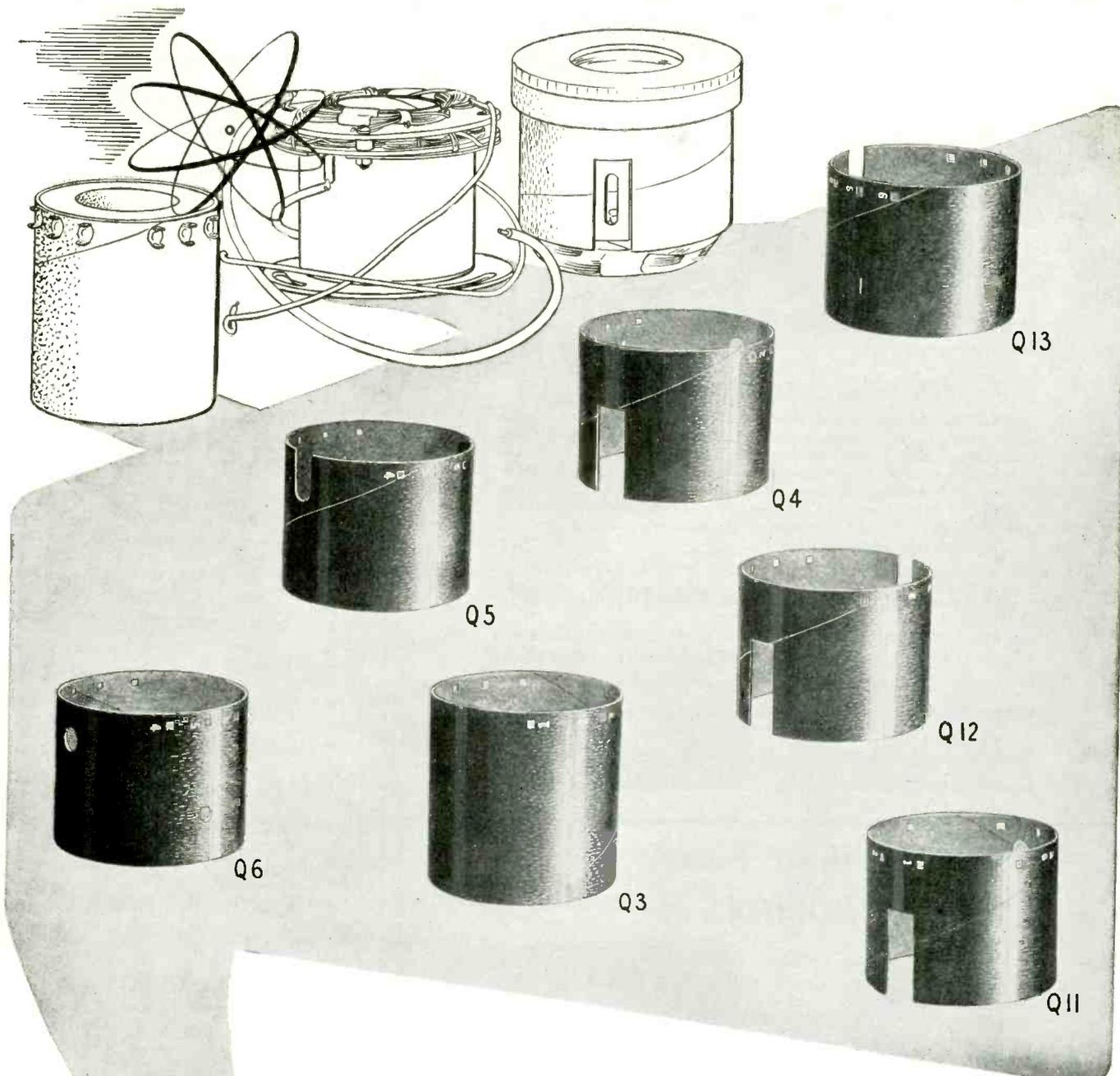
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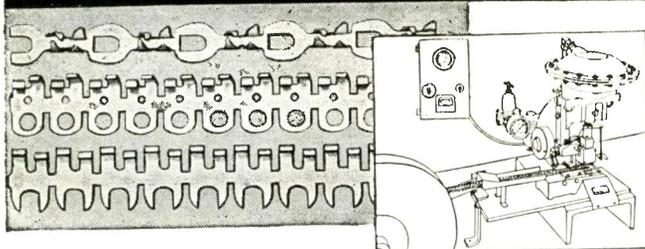
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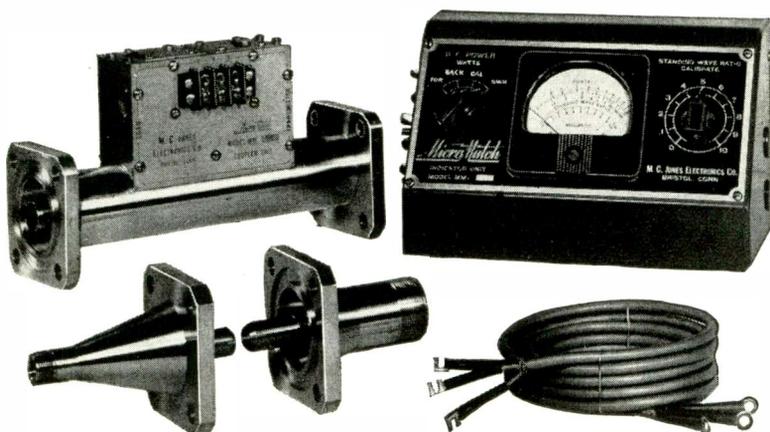
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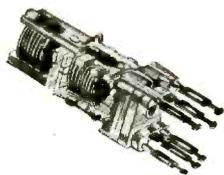
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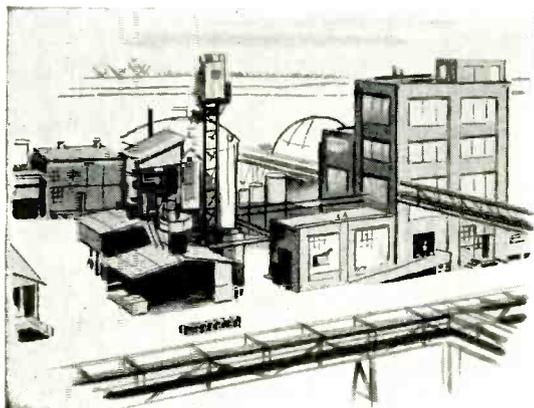
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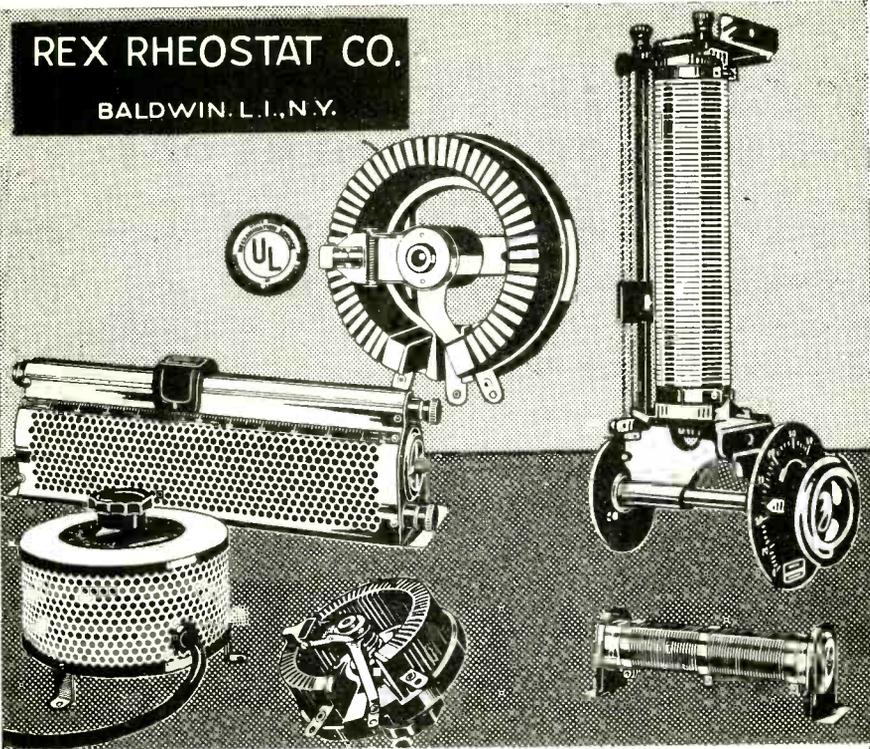
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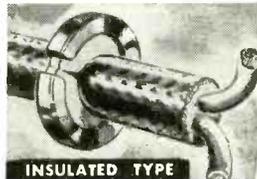
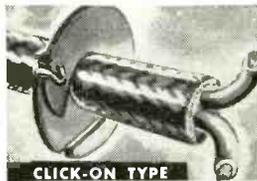
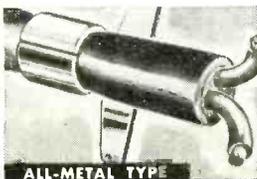
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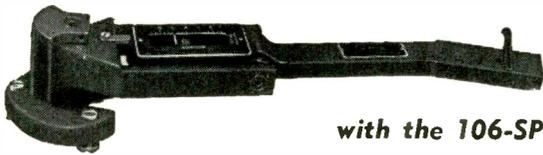


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- TV TELOP

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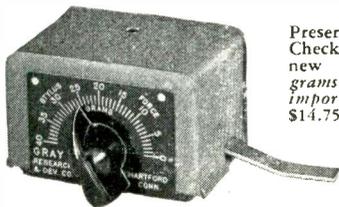
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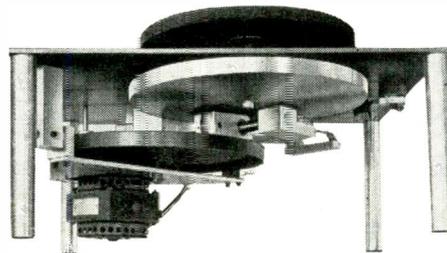


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with the Exclusive RECORD LIFT

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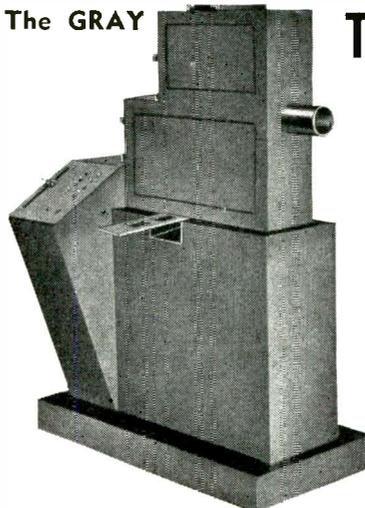
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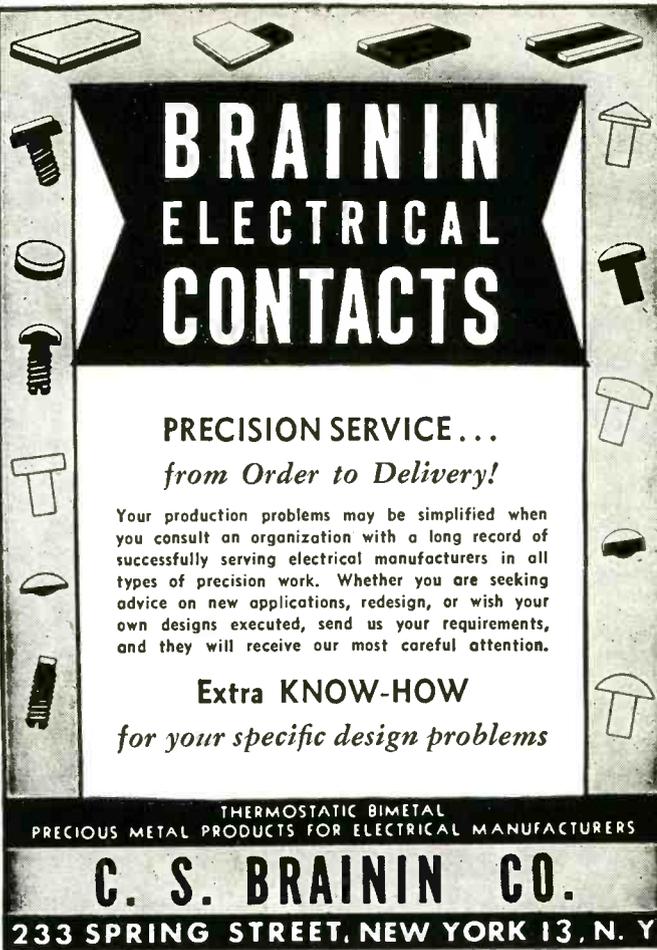
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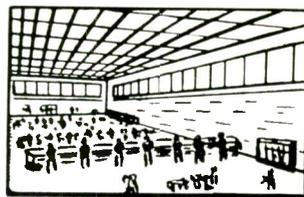
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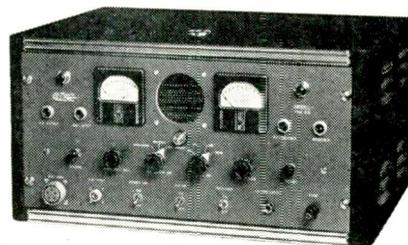
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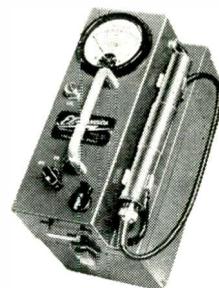


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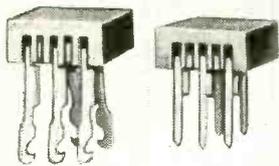
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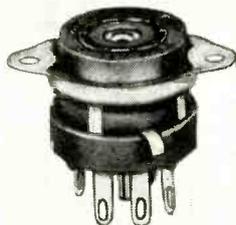
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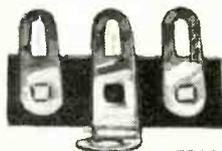
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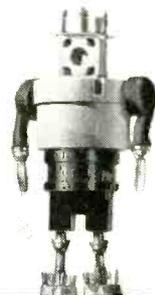
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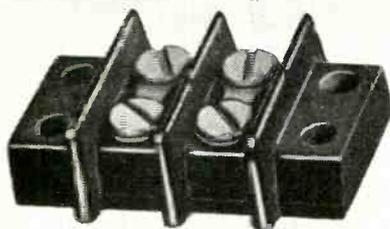
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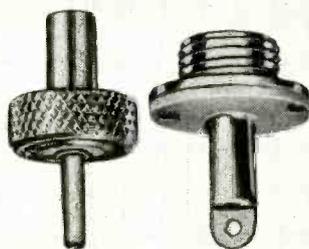
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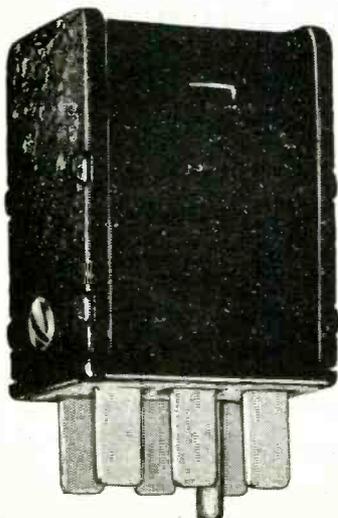
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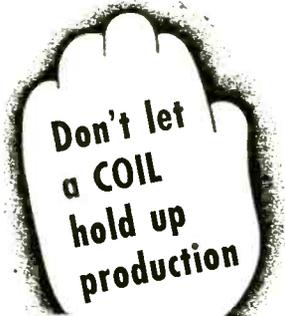
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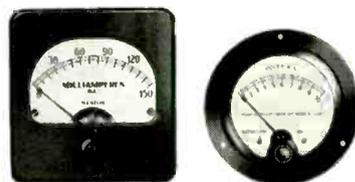
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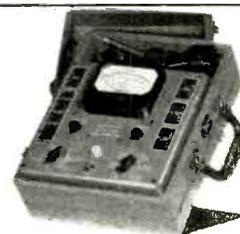
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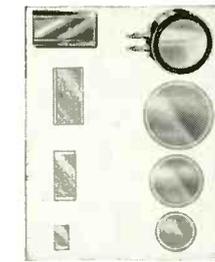
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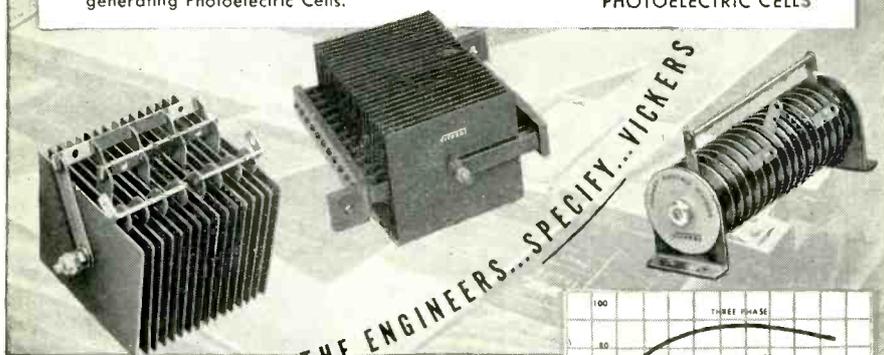
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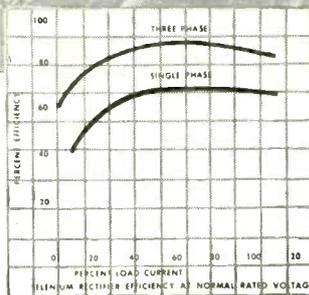


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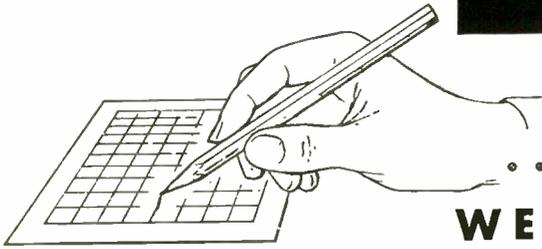
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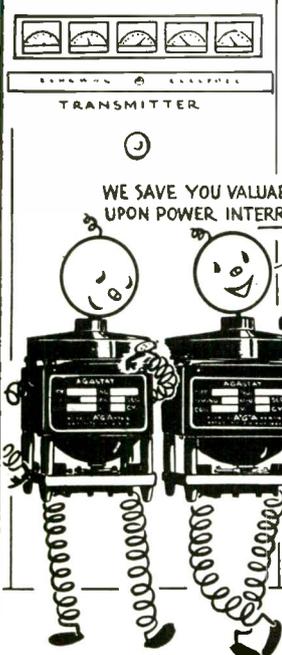
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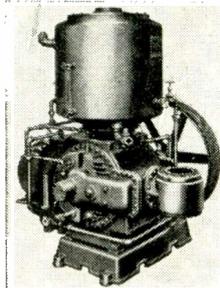


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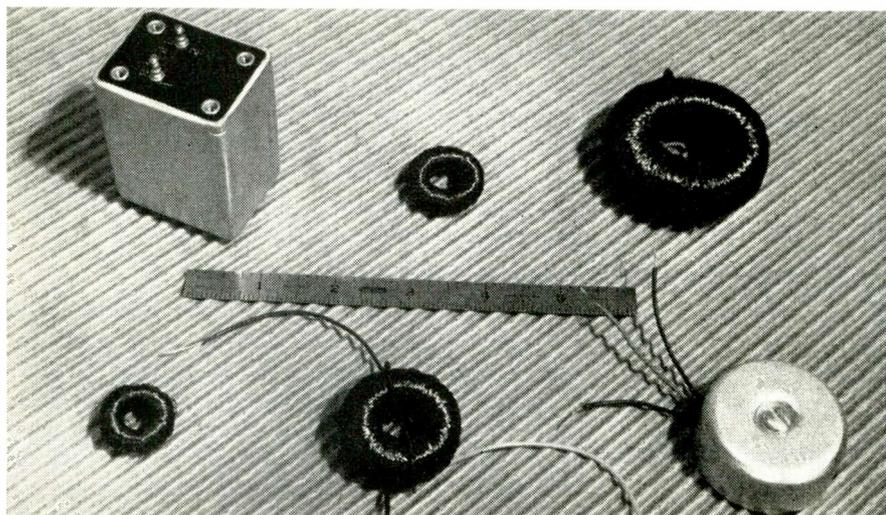


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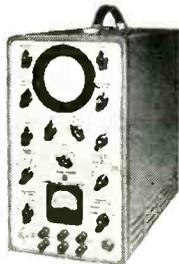
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For detailed observation and accurate measurement of voltages produced by TV sync. and deflection circuits, ignition systems, and pulse generators. Horizontal deflection up to twice screen diameter. Calibrating meter for voltage measurements. Built-in delay line.

DC OSCILLOSCOPE (WO-27A)

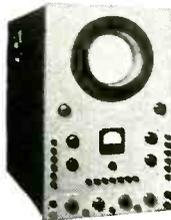
Frequency Range:
Vert. & Horiz. Amplifiers... 0 to 100 kc.
Timing Axis Oscillator..... 1 cps to 30 kc.
Blanking Amplifier..... 30 cps to 100 kc.

Deflection Factor:
Vert. Amplifier..... 0.084 dc volt/in.
Horiz. Amplifier..... 0.105 dc volt/in.
Vertical Deflection Electrodes... 19 RMS volts/inch*
54 peak-to-peak volts/in.

Horizontal Deflection Electrodes..... 24 RMS volts/inch*
67.5 peak-to-peak volts/in.

Input Resistance..... 0.5 megohm

Dimensions..... w. 13"; h. 20"; d. 25"
*For Sine Waves

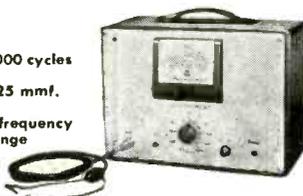


Specifically designed for the study and servicing of extremely low-frequency actions in mechanical, hydraulic, and electrical systems. The single-sweep feature can be employed in the investigation of transients which occur once only. The circuits used are excellent for high-speed photographic work. C-R tubes with different persistence characteristics can be easily interchanged without removing instrument from the case.

AUDIO VOLTMETER (WV-73A)

AC Voltage Range... 0.001 to 1000 volts
Frequency Response... ± 0.5 db from 20 to 20,000 cycles
Input Resistance and Capacitance..... 1 megohm shunted by 25 mmf.
DB Range..... 0 to 120 db
Accuracy..... Better than $\pm 5\%$ at any frequency over entire voltage range

Dimensions..... w. 13 1/2"; h. 10"; d. 7 1/2"



Useful for measuring minute ac voltages in high-impedance circuits. Logarithmic scale and over-lapping attenuator assure accuracy even when pointer is at either end of scale.

INDUSTRIAL OSCILLOSCOPE (WO-60C)

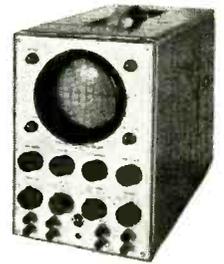
Frequency Response: (Both Amplifiers)
Sine Wave..... Flat $\pm 10\%$; 5-80,000 cps
Flat $\pm 20\%$; 2-100,000 cps
Flat $\pm 50\%$; 0.5-300,000 cps

Square Wave..... No fill or overshoot, 20-6000 cps

Deflection Factor:
Vert. Amplifier..... 0.020 RMS volt/inch*
0.056 peak-to-peak volt/in.
Horiz. Amplifier..... 0.024 RMS volt/inch*
0.067 peak-to-peak volt/in.

Input Resistance and Capacitance:
Vert. or Horiz. Amp... 1 meg. shunted by 35 mmf.
Sawtooth Time Base... 3 to 30,000 cps

Dimensions..... w. 9 1/2"; h. 14"; d. 19 1/2"
*For Sine Waves



A portable instrument with wide variety of uses. Excellent phase-shift characteristics. Reliable indications even under violent shock. Designed for fast change-over to a C-R tube with different persistence characteristics.

LABORATORY OSCILLOSCOPE (715-B)

Frequency Response:
Vert. Amplifier..... Flat ± 1 db; 5 cycles to 11 Mc.
Horiz. Amplifier..... Flat ± 2 db; 3 cycles to 500 kc.

Deflection Factor:
Vert. Amplifier..... 0.06 RMS volt/in.*
0.17 peak-to-peak volt/in.
Ext. Horizontal Input..... 0.3 RMS volt/in.*
0.85 peak-to-peak volt/in.

Input Resistance and Capacitance:
With Attenuating Cable 1.1 megohm shunted by 15 mmf.
At Panel Jack..... 1 megohm shunted by 40 mmf.
Sawtooth Time Base..... 5 cycles to 100 kc.
Triggered Time Base..... Repetition rate up to 10 kc.
Time-base Marker..... Provides pips at 1 microsec. intervals.
Intensifying Amplifier..... Provides increased brightness on triggered time base.

Dimensions..... w. 21"; h. 49 1/2"; d. 26 1/2"
*For Sine Waves



For detailed examination of extremely short, sharp-fronted pulses and unusual waveforms. Displays steady, clear traces even with random recurrence of signal. Triggered sweep is initiated by signal observed during that sweep. Has built-in time-marker generator, and input calibrating meter.

ADVANCED VOLTOHMYST* (WV-75A)

DC Voltage Range (6 scales)..... 0.3 to 1000 volts
AC Voltage Range (6 scales)
Direct to Probe..... 0.3 to 100 volts
Through Multiplier to Probe..... 0.3 to 1000 volts

Resistance Range (6 scales)..... 0.1 ohm to 1000 megohms

Frequency Response:
Direct to Probe..... 30 cycles to 250 Mc.
Through Multiplier to Probe..... 30 cycles to 15 kc.

Input Resistance and Capacitance:
DC Probe..... 11 megohms
AC Probe (at 1 Mc)..... 625,000 ohms shunted by 15.6 mmf.

Scale Indication:
With Sine Waveform..... RMS volts
With Complex Recurrent Waveform..... 0.354 of peak-to-peak volts

Dimensions..... w. 6 5/8"; h. 9 3/4"; d. 6 3/4"



For FM and TV measurements. Diode probe permits peak-to-peak ac voltage readings up to 250 Mc. WV-75A meets six needs: VHF Voltmeter, Audio Voltmeter, AC Voltmeter, DC Voltmeter, Ohmmeter, Zero-Center Indicators. Meter is burn-out proof. Voltmeter circuit has excellent linearity and stability.

*Reg. Trade Mark, U. S. Pat. Off.

ULTRA-SENSITIVE DC MICROAMMETER (WV-84A)

Current Range..... 0.001 microamp to 1000 microamps
Full-Scale Values..... 0.01; 0.1; 1.0; 10, 100, 1000 microamps
Full-Scale Voltage Drop (all scales)..... 0.5 v.
Power Supply (Batteries) 2— 1 1/2 volts "A" (RCA VS106)
2— 22 1/2 volts "B" (RCA VS102)

Dimensions..... w. 6 1/4"; h. 9 1/2"; d. 5 3/4"

Reads from 0.001 microampere to 1000 microamperes in six separate scales. Useful for measuring high values of resistance; may be used as high-resistance voltmeter with a sensitivity of 100 megohms per volt. Accuracy, $\pm 5\%$ or better.

Excellent for weak-current measurements in tubes, phototubes, multiplier phototubes and dc bridges.

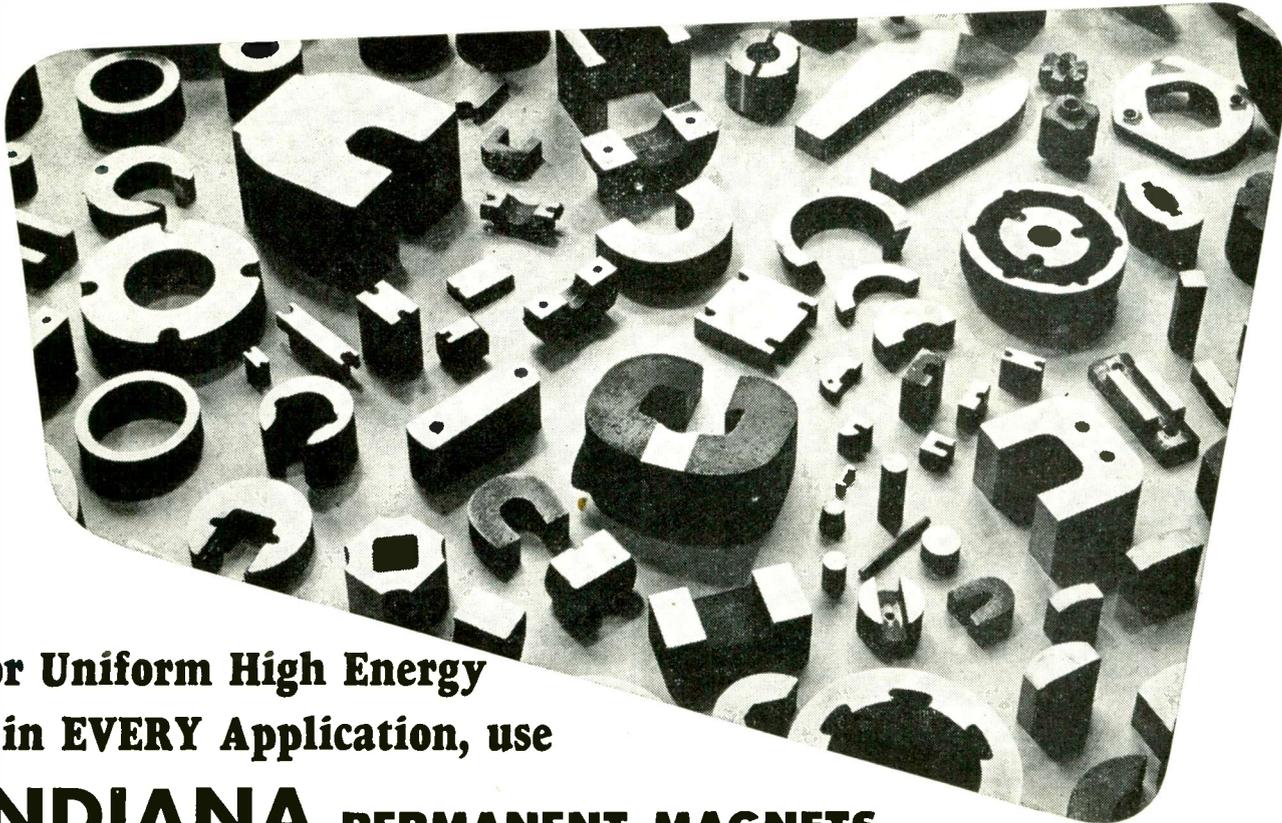


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RADIO CORPORATION of AMERICA

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HARRISON, N. J.



**For Uniform High Energy
in EVERY Application, use**

INDIANA PERMANENT MAGNETS



THIN-WALL ALNICO RINGS

All sizes of thin-wall, ring-type permanent magnets for television focus coils. Indiana quality assures a strong magnetic field.

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Permanent magnets to deflect electrons out of the ion-electron stream. Made of Alnico and Cunife in all diameters and forms.

PERMANENT MAGNETS FOR PHONOGRAPH PICK-UPS

Indiana permanent magnets for transforming mechanical energy into electrical energy cover the full range of physical properties, sizes, and shapes. For phonograph pick-ups, microphones, electric organs, etc.

PERMANENT MAGNETS FOR SPEAKERS

Indiana permanent magnets for transforming electrical energy into mechanical energy in loud speakers, telephone receivers, polarized vibrators, electric clocks, etc. Indiana has the right permanent magnet for each need.

PERMANENT MAGNETS FOR INSTRUMENTS, RELAYS, AND CONTROLS

A complete variety for ammeters, galvanometers, light meters, voltage regulators, switches, polarized relays, etc. Indiana brings you the latest methods and techniques.

PERMANENT MAGNET SUB-ASSEMBLIES

Assemblies, of which the permanent magnet is a part, designed to meet your specifications. Furnished for all requirements.

● Look to INDIANA for *quality* permanent magnets—for skill in manufacture—for cost-cutting engineering aid. Strict supervision in every step of production is your assurance of exact magnetic and mechanical characteristics.

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INDIANA—the world's largest exclusive producer of permanent magnets, and the only manufacturer furnishing *all commercial grades* of permanent magnet alloys—has the know-how and facilities to develop and produce the permanent magnets you require. More than 30,000 different needs have been met successfully by INDIANA "packaged energy." Write today.

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New York 17, N. Y., 51 East 42nd Street.
Philadelphia 7, Pa., Real Estate Trust Bldg.
Rochester 4, N. Y., 519 Sibley Tower Bldg.
Washington 7, D. C., 1011 New Hampshire Ave.

INDIANA'S wide variety of magnet alloys permits precise selection.

CAST
Alnico, I, II, III,
IV, V, VI, XII
Cobalt
Cunico
Indalloy

SINTERED
Alnico II, IV, V
Indalloy
Vectolite

DUCTILE
Cunico
Cunife I, II
Silmanal

FORMED
Chrome
Cobalt
Tungsten

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SPECIALISTS IN "PACKAGED ENERGY" SINCE 1908



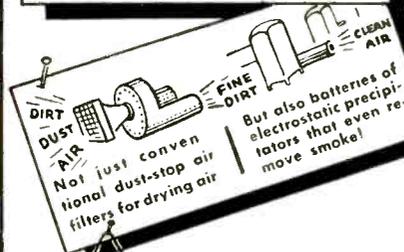
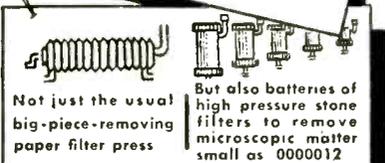
THE FORMULA:

PROPERLY COMPOUNDED RECORDING LACQUER

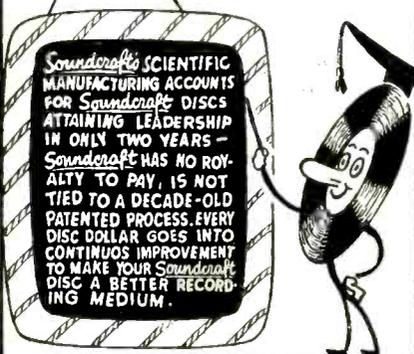
MINUS { FOREIGN MATTER IN LACQUER
MICROSCOPIC DUST IN DRYING
AIR

EQUALS NEW IMPROVED QUIETNESS
IN CUTTING

THE ANALYSIS:



PROF. SOUNDY SAYS..



REEVES Soundcraft CORP.
10 EAST 52nd STREET • NEW YORK 22, N. Y.

NEW RECORDING DISC ACHIEVES LEADERSHIP IN RECORD TIME.

By A. C. Travis, Jr.*

The fact that so few manufacturers of blank recording discs ("acetates") have successfully established themselves in the broadcasting-quality disc field in the last twenty years bears witness to the magnitude of the problems besetting the Johnny-come-lately disc manufacturer. Every year some seventy-five concerns or individuals express to material suppliers an interest in getting into the field. Occasionally another name appears only to fade in a short time. What is the mysterious factor that enables some to remain in business in a quiet way, others to have tolerable acceptance over the years, and still another to rocket to leadership?

One may say the answer is know-how, better lacquer chemistry, more research, a patented process, widespread distribution. These would indeed be true answers, but not *the* answer. Soundcraft discs as a name were born in November, 1946. The Soundcraft group as *people* were in disc manufacture for ten years before and in disc use almost ten years before that. Such experience helped avoid the repeated mistakes of which even well accepted brands are occasionally guilty. It provided know-how, processes, and good distribution. Above all, however, experience taught Soundcraft the keynote of success in the disc business—simply to analyze what the sound recording engineer needed and give it to him.

What above all else does the recording engineer want in a blank disc? He wants and must have a recording medium that cannot "fluff a line", that will not have to be done over when it *cannot* be done over. He wants complete confidence in the disc brand, from box to box, from season to season. Soundcraft realized that any of several brands usually made excellent recordings. There were unpredictable moments, however, when these discs might become unuseable. Such problems as grey cutting, abrasive spots, hard and soft areas, extraneous noise, and erratic thread behavior would crop up from time to time. Soundcraft discs attained leadership in only two and one-half years because Soundcraft *knew* the problems in advance, designed the manufacturing processes to minimize them, and demonstrated predictable performance from the word "go".

Why waste money cutting "safeties" or precautions", when you can cut Soundcraft? (Advertisement)

* Vice Pres., Reeves Soundcraft Corp.

How to CUT YOUR DISC DOLLAR



SOUNDCRAFT discs are made in 25 types and sizes. You don't wear your Sunday go-to-meeting clothes to work in the garden. Why use unnecessarily expensive disc grades for everything?

Unlike some brands, Soundcraft discs are all coated with the same high-fidelity lacquer. The grading differences are based on the nearness to microscopic physical perfection.

Three grades in five sizes plus single or double face, and oversize masters, are tailored to every budget.

STANDARD NET PRICES TO RADIO STATIONS AND RECORDING STUDIOS (In Standard Packages)

THE 'BROADCASTER'

A MASTER selection in instantaneous sizes for vitally important recordings.

10" Double Face	\$.84
12" " "	1.32
16" " "	2.37
10" Single Face	.54
12" " "	.90
16" " "	1.65

THESE ARE STRICTLY "LONG HAIR" SUPER FANCY



THE 'PLAYBACK'

A standard broadcasting-quality blank record for all professional uses in radio stations, recording and motion picture studios.

10" Double Face	\$.69
12" " "	1.14
16" " "	2.07
10" Single Face	.48
12" " "	.84
16" " "	1.44

THESE ARE THE WORK A-DAY KIND THE NETS LIKE. EQUAL TO THE BEST GRADES OF OTHER BRANDS



THE 'AUDITION'

A selection from the runs of "BROADCASTERS" and "PLAYBACKS" having minor physical defects outside of the recording areas.

6 1/2" Double Face	\$.27
8" " "	.42
10" " "	.60
12" " "	.93
16" " "	1.59

THESE ARE SUCH A BARGAIN! TALK IN A WHISPER



Standard Soundcraft economy packages of only 20 discs permit stocking wide variety of grades and sizes while simultaneously holding inventory value down.

ELECTRONIC ELECTRONICS CO.



301 252 foremost radio parts distributors in principal cities and towns deliver Soundcraft discs from local stocks.

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Scintillation Assemblies

Coincidence Analyzers
High Voltage Supplies
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Special Instruments

In nuclear research, instruments which provide less than *complete* precision and reliability merely waste time. Because researchers recognize this fact, more and more of them are demanding Atomic Instruments in their laboratories. For they have discovered, as you will, that each instrument bearing the Atomic label is designed with a knowledge of research problems, and constructed with the highest degree of precision and workmanship available to insure reliability of functioning.

Find out why these really fine instruments can make your work easier—write today for descriptive bulletins on any or all of the types listed above.



160 CHARLES STREET

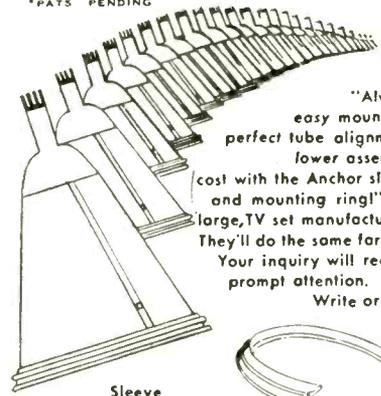
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BOSTON, MASSACHUSETTS

Successes: 25,000!
Failures: None!

Anchor Plastics' sleeve* and mounting ring* for 16" metal TV tubes—**TESTED and PROVED in SERVICE!!!**

*PATS. PENDING



"Always easy mounting, perfect tube alignment, lower assembly cost with the Anchor sleeve and mounting ring!" say large TV set manufacturers. They'll do the same for you! Your inquiry will receive prompt attention.

Write or call.

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Cross section of assembly



Custom extruders of all thermoplastics.

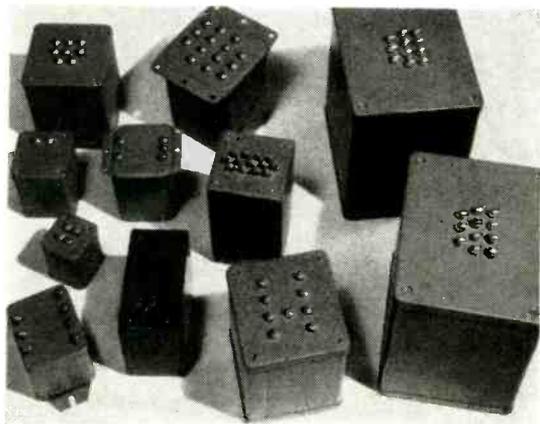
ANCHOR PLASTICS CO., Inc.

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Telephone: Dlgby 9-1242

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ELECTRONIC TRANSFORMER maintains a large stock of Jan-approved, quality components for the prompt delivery of transformers manufactured to **YOUR SPECIFICATIONS**.

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THIS BOOK...

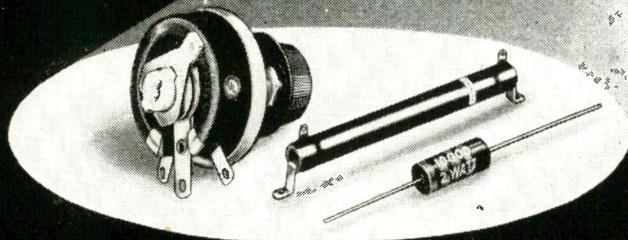
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CLOSE CONTROL RHEOSTATS



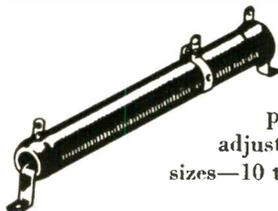
Here is the most extensive line of rheostats offered today . . . 10 sizes, from 25 to 1000 watts, with many resistance values. All-ceramic construction. Windings are locked in vitreous enamel.

VITREOUS ENAMELED RESISTORS



Resistors are wire wound on a ceramic core, rigidly held in place, insulated, and protected by vitreous enamel. Even winding dissipates heat rapidly —prevents hot spots. Many types, in ratings from 5 to 200 watts.

DIVIDOHM ADJUSTABLE RESISTORS



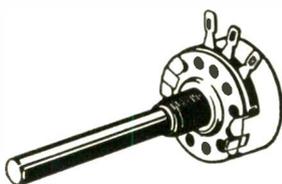
Used as multi-tap resistors or voltage dividers. Narrow strip of exposed winding provides contact surface for the adjustable lug. Available in seven sizes—10 to 200 watts.

RADIO FREQUENCY PLATE CHOKES



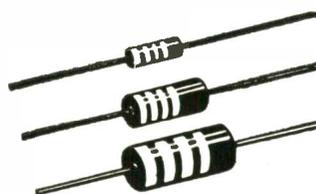
Single-layer wound on low power factor steatite or molded plastic cores. Seven stock sizes cover range 3 to 520 mc. Two units rated 600 ma; all others 1000 ma.

*** MOLDED COMPOSITION POTENTIOMETER**



A 2-watt molded composition unit with good margin of safety. It is unaffected by heat, cold, or moisture. Resistance element is a thick, solid-molded ring.

*** MOLDED COMPOSITION RESISTORS**



Small and sturdy, these "Little Devil" units come in 1/2, 1, and 2-watt sizes. 10 Ohms to 22 megohms. Tol. $\pm 10\%$ and $\pm 5\%$.

* So that two exceptionally high-quality products will be universally obtainable, Ohmite Manufacturing Company, in co-operation with the Allen-Bradley Company, has arranged for the Type AB (Allen-Bradley Type J) control and Little Devil Molded Composition Resistors (Allen-Bradley Types EB, GB, and HB) to be available from stock at Ohmite distributors.

OHMITE MANUFACTURING CO.
4975 Flournoy St., Chicago 44, Ill.



Write
for
Catalog
No. 40



Be Right with **OHMITE**

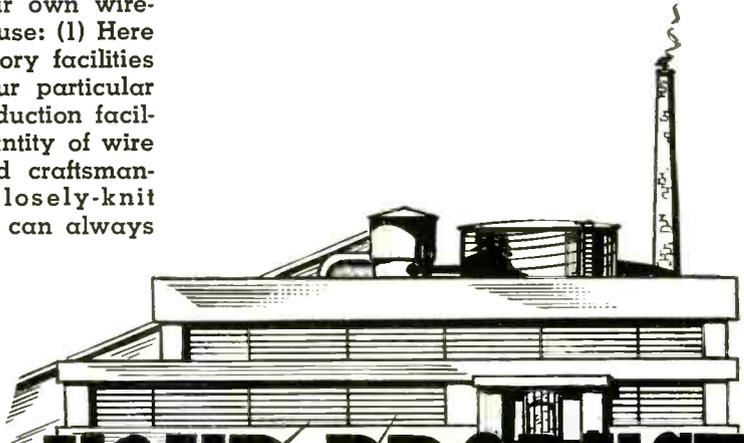
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WIRE

Made to Your Order

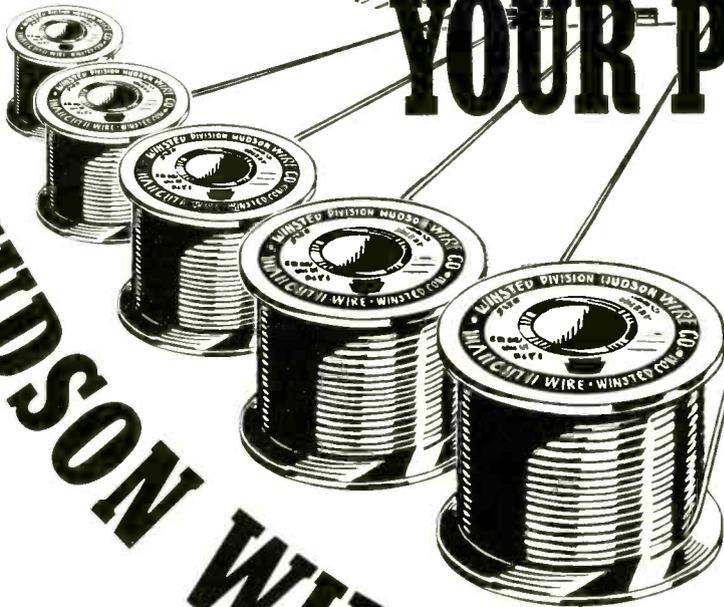
- Precisely! Consider this your own wire-production department, because: (1) Here are engineering and laboratory facilities ready to collaborate on your particular problems and needs; (2) Production facilities geared to kind and quantity of wire you require; (3) Unsurpassed craftsmanship still available in a closely-knit organization; and so (4) You can always count on wire that's made right.

We invite your inquiries on standard or special wire and insulation. Samples promptly furnished on request.



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HUDSON WIRE



Partial List of Products...

Bare Wire (Hudson Wire Division)

Copper (Electrolytic and OFHC)
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Zinc
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Tin
Phosphor-bronze
Nickel-silver
Cadmium
Specialty Wires

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Cotton-covered
Silk-covered
Celanese-covered
Celanese-covered Enameled
Glass-fibre Insulated
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E-Z Sol
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BARE WIRES

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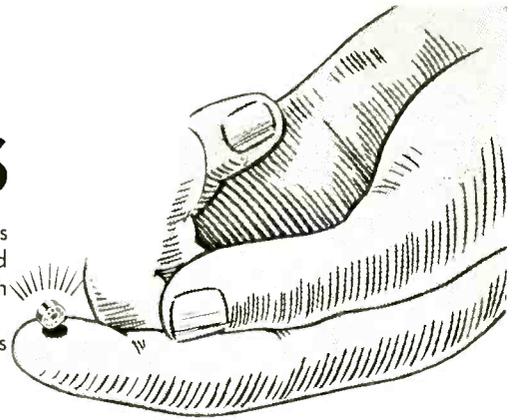
INSULATED WIRES

Minimize Friction, space and weight...w

MINIATURE BALL BEARINGS

Bearings for precision instruments, controls and similar fine mechanisms can have the same properties of accurate alignment, long wear and freedom from attention as are achieved in larger applications . . . through the use of MPB bearings.

These bearings are available in a variety of types, sizes and materials to meet the designer's specific application requirements.



(Illustrations are actual size)

Typical Applications



Two radial bearings supporting shaft.



Shaft with radial bearing and pivot bearing.



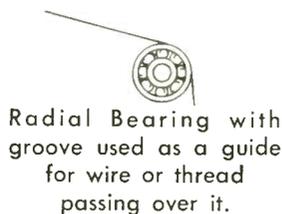
Radial bearings used to make a roller.



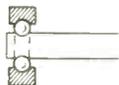
Shaft with pivot-bearings at both ends.



Pivot bearings mounted in rotating member; shaft stationary.



Radial Bearing with groove used as a guide for wire or thread passing over it.



Radial bearing with shaft as inner race; for cam followers.

radial series					
---------------	--	--	--	--	--

Bearing No.	2	2 1/2	3	4	5
O. D. (A)	1/8"	5/32"	3/16"	1/4"	5/16"
Width (B)	3/64"	1/16"	5/64"	3/32"	7/64"
Bore (C)	1/25"	3/64"	.0550	5/64"	3/32"
Weight (grams)	.035	.085	.15	.33	.69
Rating 1000 rpm	1.8 lbs.	2.4 lbs.	4.8 lbs.	9.0 lbs.	10.0 lbs.
TOLERANCES (A) +.0000" - .0002" (B) +.000" - .001" (C) +.0000" - .0002"					

super light series					
--------------------	--	--	--	--	--

Bearing No.	418	518	5532	5632	5732
O. D. (A)	1/4"	5/16"	5/16"	5/16"	5/16"
Width (B)	3/32"	7/64"	7/64"	7/64"	7/64"
Bore (C)	1/8"	1/8"	5/32"	3/16"	7/32"
Weight (grams)	.28	.625	.56	.43	.36
Rating 1000 rpm	5.6 lbs.	6.3 lbs.	5.6 lbs.	5.6 lbs.	3.8 lbs.
TOLERANCES SAME AS STANDARD RADIAL SERIES					

pivot series						
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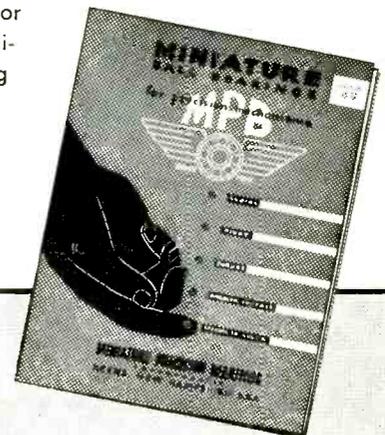
Bearing No.	2P	3P	4P	5P	7 1/2 P	10P
O. D. (A)	2mm.	3mm.	4mm.	5mm.	7.5mm.	10mm.
Width (B)	1.2mm.	1.8mm.	2.4mm.	3mm.	4.5mm.	6mm.
Shaft (C) Min.	2/100"	3/100"	4/100"	5/100"	7.5/100"	10/100"
Weight (grams)	.025	.080	.165	.32	1.00	2.56
Rating 1000 rpm	T .29 - R .07 lbs.	T 1.1 - R .46 lbs.	T 3.1 - R 1.2 lbs.	T 5.8 - R 2.3 lbs.	T 13 - R 5.2 lbs.	T 23.2 - R 9.0 lbs.
TOLERANCES (A) +.0000" - .0002" (B) + or -.002"						

angular contact series				
------------------------	--	--	--	--

Bearing No.	2A	3A	4A	6A
O. D. (A)	1/8"	3/16"	1/4"	3/8"
Width (B)	3/64"	7/100"	3/32"	9/64"
Shaft (C) Max.	.032"	.048"	.063"	.094"
Weight (grams)	.053	.17	.425	1.49
Rating 1000 rpm	R 1.4 - 60 T 1.7 lbs.	R 3.7 - 60 T 4.7 lbs.	R 6.9 - 60 T 8.7 lbs.	R 15.5 - 60 T 19.0 lbs.
TOLERANCES (A) +.0000" - .0002" (B) +.000" - .002"				

Designers are invited to call our engineers for assistance on any problem involving the application of small ball bearings. Our new catalog #49 contains detailed specifications on more than forty different types and sizes of standard miniature bearings. Ask for your copy today.

Also ask for "What You May Expect"—showing why you may not need ball bearings at all!



MINIATURE Precision BEARINGS
INCORPORATED
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MOTRO

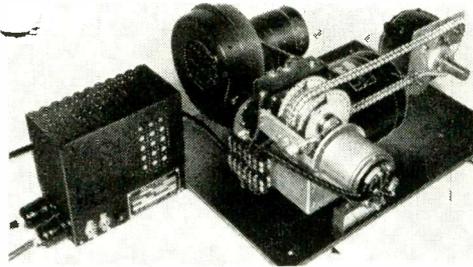
IVO CONTROL

PACKAGE

ADD A REMOTE POSITIONING NO OVERTHOOT NON-HUNTING

- A. Single Speed
1/2°-26 RPM-75" #
- B. Three Speed
1/6°-8.7 RPM-225" #
- C. Five Speed
1/10°-5.2 RPM-375" #

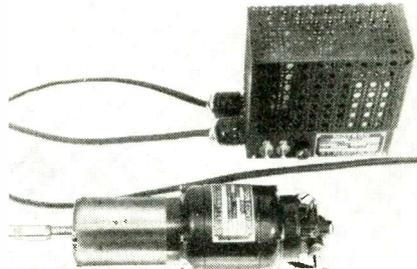
ADD A SYNCHRO REPEATER



ADD A MICROMETER

VARIABLE SPEED

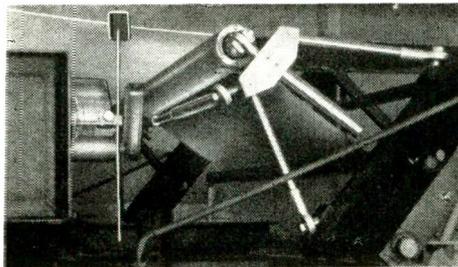
50:1 to 100:1
2%-3% Regulation
Micrometer Set to
.05% or less —
to 1/12 HP



ADD EXPLOSION-PROOF BOX

PAPER WEB GUIDE AND TENSION CONTROL

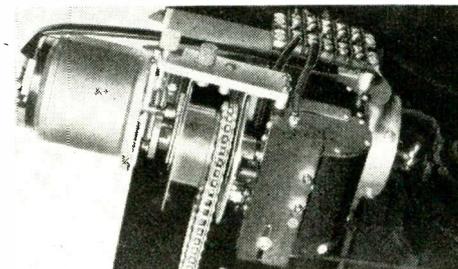
Guides paper as close as edge can be determined. Machine shown is constructed of light sheet steel and angle framework.



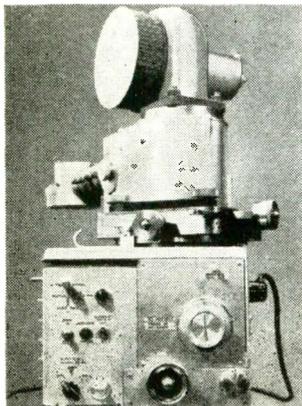
ADD SYNCHROSCOPE OR SYNCHRO

THROTTLE SERVO TURBINE OR ENGINE

Remote Speed Control to .05% or exact Synchronizing to any A.C. standard frequency. Torque limiting or balancing optional



ADD SPECIAL ENGINEERING + EQUIPMENT



Many Other Uses

MACHINE TOOL ACTUATOR SLIDE

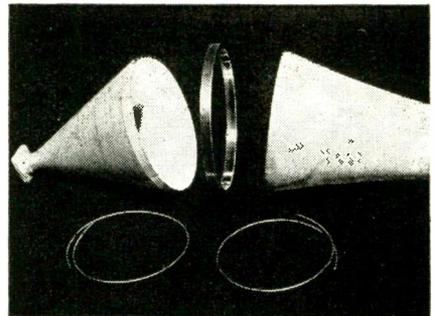
Positions and traces to .0005" under high cutting forces. Electronic interlocking provides travel protection with complete automatic cycle operation. No relays. Integral Amplifier.

**For the Solution to Your Problem
Call on**

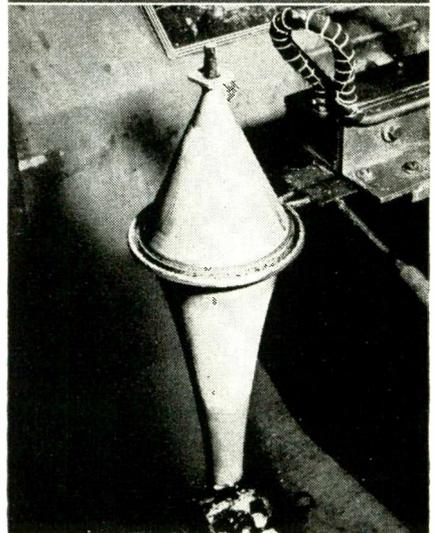
W. C. Robinette Co.

E649

**802R Fair Oaks Ave.
South Pasadena, Calif.**



**F-M DUMMY ANTENNA
MADE WITH . . .
EASY-FLO 45**



Above are the antenna parts—two silver-plated copper spinings and brass support ring—and the two EASY-FLO 45 wire rings used to join them. As shown at left, heating is done by induction, with the alloy rings preplaced, one on each side of the joint. Results obtained by the manufacturer, Hoffman Radio Corp., Los Angeles, meet every requirement, while the brief three to four minutes of heating leaves the silver plate intact and creates no distortion. On work of this character, particularly with thin metals, you can't beat low-temperature EASY-FLO silver alloy brazing. For the full story write today for BULLETINS 12-A and 15.

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• If any of the many Kobzy Standard Products meets your requirements for television or other electronic purposes, we can give you immediate delivery. If special parts are wanted we are geared to give you prompt cooperation and there will be no delays.

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TOOL CO.
1539 DAYTON ST.
CHICAGO 22, ILLINOIS



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- condensers • batteries • switch base terminals • socket terminals
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- loading coils • condensers

BIWAX Compounds are scientifically prepared from waxes, resins, asphalts, pitches, oils, and minerals for specific applications.

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STYLE 197. Exclusive handy portable handset folds to pocket size. Available with headband for free use of hands. Designed for on-the-spot servicing and mobile applications.

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STYLE 333. Lightweight. For general telephone applications.

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STYLE 333 STYLE 134



HEADPHONES AND LIP MICROPHONES

STYLE 762. Double Headgear. Lightweight. Wired for two channel monitoring. Carbon lip microphone. For TV studios. Other headphones and lip microphones for all requirements.

STYLE 762



TELEPHONE HANGERS & SWITCHBOXES

Stainless steel hangers with patented snap lock action.

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STYLE 311. For #333 handset.

STYLE 341. Switchbox used with above hangers and internal switch.

STYLE 181 STYLE 311



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STYLE 803. Recording playback—erase heads for wire, tape and sheet material. Outstanding performance. Data furnished for electrical and mechanical constants for all equipment.

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STYLE 737. Mobile Microphone. Rugged, carbon type for mobile service.

STYLE 177. Hand held microphone. Light carbon type for aircraft, motorcycles, etc.

STYLE 737 STYLE 177

All items are representative of the complete Roanwell line. Assemblies available for all individual requirements. Roanwell's skilled laboratory staff is equipped to solve special development problems.

ROANWELL CORPORATION
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STANCOR TRANSFORMERS RELATED COMPONENTS

The units listed on this page are representative of the most complete stock line in the industry available for 48-hour delivery from Stancor distributors in your territory or direct. In addition to maintaining the Stancor stock line of more than 400 part numbers, a large part of Stancor's modern production facilities is devoted to the fabrication of special design components for leading

manufacturers of radio, television and other electronic equipment. Your inquiries are invited. Quotations will be furnished promptly.

Write for your copy of Stancor's 1949 catalog. In many cases, a standard catalog item will meet the special application, with a corresponding saving in cost.

HF Series HIGH FIDELITY AUDIO Transformers

These units have a wide frequency response of 20 to 20,000 cps with ± 1 db. Correct design reduces harmonic and intermodulation distortion to a negligible amount. Balanced humbucking construction minimizes hum pickup. Stancor

impregnation insures long life. Cases are finished in gray enamel and have four threaded holes at each end for flush mounting. Stud-type terminals are plainly marked for easy identification.

LOW IMPEDANCE TO GRID

PART NO.	APPLICATION	PRIMARY IMP/OHMS	SECONDARY IMP/OHMS	MAX. LEVEL IN DB	HUM-PICKUP REDUCTION	MTG.	SHPG. WT., LBS.	LIST PRICE
*HF-20	Low Imp. Mic., Pickup or Line to Grid	50, 125, 200, 250, 333, 500/600	60,000 overall, in two sections	15	-74 db	HF-1	3.0	\$24.50
*HF-20X	Low Imp. Mic., Pickup or Line to Grid	50, 125, 200, 250, 333, 500/600	50,000	14	-92 db	HF-1	3.0	31.25
*HF-22	Low Imp. Mic., Pickup or Line to P.P. Grids	50, 125, 200, 250, 333, 500/600	120,000 overall, in two sections	15	-74 db	HF-1	3.0	27.50
*HF-22X	Low Imp. Mic., Pickup or Line to P.P. Grids	50, 125/150, 200, 250/333, 500/600	80,000 overall, in two sections	14	-92 db-Q	HF-1	3.0	34.25

INTERSTAGE

*HF-29	Sgl. Pl. to P.P. Grids—2A3, 6A3, 6L6, etc.	15,000	95,000 overall	17	-50 db	HF-1	3.0	23.50
*HF-31	Single Plate to P.P. Grids. Split pri. and sec.	15,000	135,000 turn ratio 3:1 overall	14	-74 db	HF-1	3.0	24.00
*HF-32	P.P. Plates to P.P. Grids. Split pri. and sec.	30,000 Plate to Plate	80,000 turn ratio 1.6:1 overall	26	-50 db	HF-2	7.5	30.50

MIXING

*HF-40	Low Imp. Mixer, Mic., Pickup or Line to Line	50, 125, 200, 250, 333, 500/600	50, 125, 200, 250, 333, 500/600	17	-74 db	HF-1	3.0	24.50
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OUTPUT

*HF-65†	P.P. 2A3, 6L6, etc. to Line or Voice Coil	3,000 to 5,000 Plate to Plate	1.2, 2.5, 5, 7.5, 10, 15, 20, 30, 50, 125, 200, 250, 333 or 500	20	HF-2	7.5	27.50
*HF-67	P.P. 2A3's, 6A5G's, 300A's, 275A's, 6A3's, 6L6's	3,000 or 5,000 Plate to Plate	30, 20, 15, 10, 7.5, 5, 2.5, 1.2	20	.....	HF-2	7.5	20.00
*HF-68	P.P. Par. 2A3's, 6A5G's, 300A's, 6A3's	1,500 or 2,500 Plate to Plate	500, 333, 250, 200, 125, 50, 30, 20, 15, 10, 7.5, 5, 2.5, 1.2	40	.....	HF-3	15.0	49.50

HF-1 Case: Overall dimensions, $3\frac{1}{4}"$ H x $3\frac{1}{16}"$ W x $2\frac{3}{16}"$ D. Mounting centers, $1\frac{1}{16}"$ x $2\frac{1}{16}"$. HF-2 Case: Overall dimensions, $4\frac{1}{8}"$ H x $4\frac{1}{16}"$ W x $3\frac{3}{16}"$ D. Mount-

ing Centers, $2\frac{1}{16}"$ x $3\frac{1}{16}"$. HF-3 Case: Overall dimensions, $4\frac{1}{16}"$ H x $5\frac{1}{16}"$ W x $4\frac{1}{16}"$ D. Mounting centers, $4\frac{1}{16}"$ x $5\frac{1}{16}"$.

WF Series HIGH FIDELITY AUDIO Transformers

These units are of the same premium quality and construction as the HF series, above, and, with the exception of the WF-21 unit, have a frequency

response of 30-20,000 cps within ± 2 db. The WF-21 has a response within ± 2 db of 50-10,000 and has a multiple alloy shield for extremely low hum pickup.

PART NO.	APPLICATION	PRIMARY IMP/OHMS	SECONDARY IMP/OHMS	MTG. §	SHPG. WT., LBS.	LIST PRICE
INPUT						
*WF-20	Low Imp. Mic., Pickup or Line to Grid	50, 125, 200/250, 333, 500/600	50,000	WF-6	0.6	\$14.50
*WF-21	Low Imp. Mic., Pickup or L. to Sgl. or P.P. Grids	50, 200, 500	50,000	WF-6	0.6	15.50
*WF-22	Low Imp. Mic., Pickup or Line to P.P. Grids	50, 125/150, 200/250, 333, 500/600	80,000 overall, in two sections	WF-6	0.6	14.50
*WF-24	Dynamic Microphone to 1 or 2 Grids	30	50,000 in two sections	WF-6	0.6	14.00
INTERSTAGE						
*WF-26	Single Plate to Single Grid	15,000	60,000, 2:1 turn ratio	WF-6	0.6	12.75
*WF-28	Sgl. Pl. to 2 Grids. Can use split pri. for P.P. Pl.	15,000	80,000 overall, 2.3:1 turn rat. overall	WF-6	0.6	14.00
LOW LEVEL OUTPUT						
*WF-34	Single Plate to Line	15,000	50, 125, 200/250, 333, 500/600	WF-6	0.6	14.50
*WF-36	P.P. Low Level Plates to Line	30,000 Plate to Plate	50, 125/150, 200/250, 333, 500/600	WF-6	0.6	15.00
MIXING						
*WF-38	Low Imp. Mixer, Mic., Pickup or Line to Line	50, 125, 200/250, 333, 500/600	50, 125, 200/250, 333, 500/600	WF-6	0.6	14.50

§WF-6 Case: Overall dimensions, $2"$ H x $1\frac{1}{2}"$ W x $1\frac{1}{2}"$ D. Mounting centers, $1\frac{1}{32}"$ x $1\frac{1}{32}"$.

HIGH FIDELITY OUTPUT Transformers

These high quality units are made in ten stock sizes to match the most popular types of output tubes to speaker or line impedances. They have an excellent frequency response of 30-15,000 cycles within ± 1.5 db and are designed to

insure an extremely low percentage of intermodulation distortion over the entire frequency range and at any power level within the rating of the transformer.

PART NO.	PRI. Z C. T. OHMS	SEC. Z IN OHMS#	TYPE OF TUBES	CLASS OF OPERATIONS	MAX. PRI. D. C. PER SIDE	MAX. AUDIO WATTS	TYPE OF MTG.	DIMENSIONS H W D	WEIGHT IN CARTON	LIST PRICE
A-8050	1500	8, 16	P.P. Par. 2A3's	AB	80	50	C	$4\frac{5}{16}"$ $3\frac{3}{16}"$ $4\frac{1}{4}"$	6.5	\$14.20
A-8051	2500	8, 16	P.P. Par. 6L6's	A	150	50	C	$4\frac{5}{16}"$ $3\frac{3}{16}"$ $4\frac{1}{4}"$	6.5	14.20
A-8052	3000	8, 16	P.P. 2A3's	AB	75	25	C	$4\frac{3}{16}"$ $3\frac{3}{16}"$ $4\frac{1}{4}"$	6.5	12.80
A-8053	5000	8, 16	P.P. 6L6's or 2A3's	A	75	25	C	$4\frac{3}{16}"$ $3\frac{3}{16}"$ $4\frac{1}{4}"$	6.5	12.80
A-8054	9000	8, 16	P.P. 6L6's	AB1	75	25	C	$4\frac{3}{16}"$ $3\frac{3}{16}"$ $4\frac{1}{4}"$	6.5	12.80
A-8060	1500	500	P.P. Par. 2A3's	AB	80	50	C	$4\frac{5}{16}"$ $3\frac{3}{16}"$ $4\frac{1}{4}"$	6.5	14.20
A-8061	2500	500	P.P. Par. 6L6's	A	150	50	C	$4\frac{5}{16}"$ $3\frac{3}{16}"$ $4\frac{1}{4}"$	6.5	14.20
A-8062	3000	500	P.P. 2A3's	AB	75	25	C	$4\frac{3}{16}"$ $3\frac{3}{16}"$ $4\frac{1}{4}"$	6.5	12.80
A-8063	5000	500	P.P. 6L6's or 2A3's	A	75	25	C	$4\frac{3}{16}"$ $3\frac{3}{16}"$ $4\frac{1}{4}"$	6.5	12.80
A-8064	9000	500	P.P. 6L6's	AB1	75	25	C	$4\frac{3}{16}"$ $3\frac{3}{16}"$ $4\frac{1}{4}"$	6.5	12.80

*New part number.

†Response ± 1 db from 25 to 20,000 cps.

#Where more than one secondary impedance is shown, only one value is to be used at any time.

STANDARD TRANSFORMER CORPORATION, 3580 ELSTON AVE., CHICAGO 18, ILLINOIS

ELECTRONICS BUYERS' GUIDE — June, 1949 — MID-MONTH

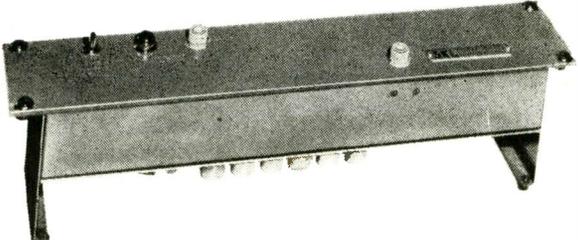
44!

TRAVELING WAVE AMPLIFIERS

Model 200A WIDE BAND CHAIN AMPLIFIER

SPECIFICATIONS

- BAND WIDTH . . .
100 kc to 200 mc
- VOLTAGE GAIN . . .
10 db
- IMPEDANCE . . .
200 ohms



These new aperiodic, traveling wave amplifiers combine a useful pass-band of 100 KC to 220 MC with an impedance level of only 200 ohms; thus, existing coaxial cables can readily be used. Standing wave ratio of less than 1 db per stage for low-level, h-f measurements. For use in oscillography, nuclear research, laboratory measurements. Also as pre-amplifiers for vacuum tube voltmeters, sweep generators, oscilloscopes, and radio and television testing equipment. Especially suited to study of pulses, transient wave forms, and similar phenomena.



Model 202 WIDE-BAND CHAIN AMPLIFIER

SPECIFICATIONS

- BAND WIDTH . . .
100 kilocycles to
200 megacycles
- VOLTAGE GAIN . . .
20 db
- IMPEDANCE . . .
200 ohms

A two-stage traveling wave amplifier in which reflections are reduced to a minimum because degree of coupling between coil sections has been carefully chosen, and terminating sections of delay-lines can be varied. This permits adjustment of response characteristic to fit particular applications as well as particular co-axial cables. A flat characteristic with sharp h-f cutoff can be obtained where continuous wave amplification is required. For pulse amplification, the h-f cutoff can be made less sharp, thereby reducing "overshoot" to a minimum.

400 Series BRIDGE-CONTROLLED THYRATRON THERMOSTAT

SPECIFICATIONS

- CONTROL Heater Elem. Resist. Thermo.
- OPER. VOLT. 115—230 v, AC 115—230 v, AC
- TEMP. RANGE 21°C to 1200°C 70°F to 1000°F
- ACCURACY Less than ± 0.2°C Less than ± 0.1°F



MODEL	400A	401	450
NOMINAL CURRENT RATING	3 amps 15 amps, max.	3 amps 15 amps, max.	7½ amps 80 amps, max.
NOMINAL POWER INPUT	395 watts 650 watts	395 watts 650 watts	850 watts 1700 watts
TEMPERATURE INCREMENT	Fixed-step	Continuous	Continuous

Complete information available upon request.

MAKERS OF PRECISION TEMPERATURE CONTROLS, DURAL KNURLED KNOBS AND POWER SUPPLIES

SKL

SPENCER-KENNEDY LABORATORIES, INC.
186 MASSACHUSETTS AVENUE
CAMBRIDGE, MASSACHUSETTS

Don't Overlook the

MATERIALS SECTION

of this issue of the electronics

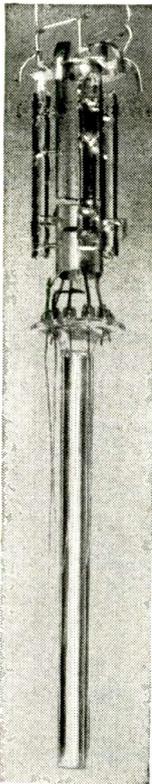
BUYERS' GUIDE

In it you will find pertinent engineering information on . . .

- ACOUSTIC MATERIALS
- CERAMICS
- COATINGS
- FLUORESCENT COMPOUNDS
- GASES
- GLASS
- INSULATION
- MAGNETIC CORE MATERIALS
- METALS
- PERMANENT MAGNET MATERIALS
- PLASTICS
- POTTING COMPOUNDS
- RADIOACTIVE MATERIALS
- SEALING COMPOUNDS
- WAXES

used in the manufacture of electronic and allied products

Comments and suggestions on this section of the Buyers' Guide will be appreciated.



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New and rebuilt glass machinery for
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precision fastenings apply to...**

**RADIO • TELEVISION • INSTRUMENT AND
GENERAL ELECTRICAL MANUFACTURING**



For greater strength: Allen \circ Head Screws permit the use of smaller sizes. For instance a No. 6 Allen \circ Head Cap Screw is equivalent to a No. 8 conventional screw.



For space economy: Allen \circ Head Screws permit closer spacing of screws, eliminate projecting heads.

For greater holding power: Allen \circ Head Screws are insurance against avoidable costly service operations.



In hard-to-reach places: Allen \circ Head Screws, plus Allen Hex Keys and Drivers start screws easily and save awkward "fingering in."

For fine adjustments, close, snug fit between key and screw permits delicate adjustments that stay put.



For tamper-proof settings in gauges and instruments, Allen \circ Head Screws can be set below surface and wax sealed.

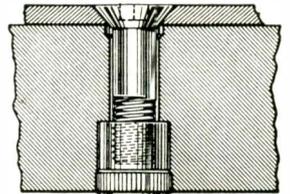
If vibration is a factor, the precise Class 3 fit of Allen \circ Head Screws will build longer trouble-free life into the product.

For a ready-made threaded hole, the new Allenut offers greater holding power and positive anchor in soft metals.

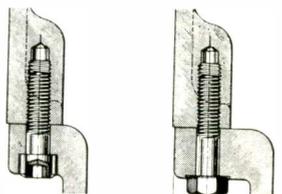


Allen \circ Head Screws are available as standard items in a wide range of sizes ranging upward from No. 4 x 1/8". NC and NF threads. Popular sizes also available in 18-8 non-magnetic stainless steel. Set screws stocked in cup, oval, flat cone and half dog points (full dog, special).

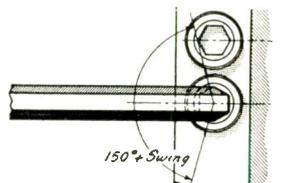
Sold only through leading distributors. Write the factory for technical information or regarding any special requirement.



Allenut and Allen Flat Head Cap Screw used to hold thin metal plate to metal base. Allenut has been pressed into countersunk hole. Will not fall out or turn against driving action.



Allen \circ Head Cap Screws contribute to compact designing. Can be countersunk without allowing for wrench clearance.



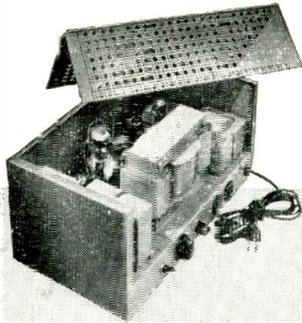
Allen \circ Heads permit close spacing impossible with conventional heads.



Firm grip without the use of weak slots or projecting heads.

ALLEN **ALLEN HEAD**
MANUFACTURING COMPANY
Hartford 2, Connecticut, U. S. A.
NEW YORK, CLEVELAND, DETROIT, CHICAGO, LOS ANGELES

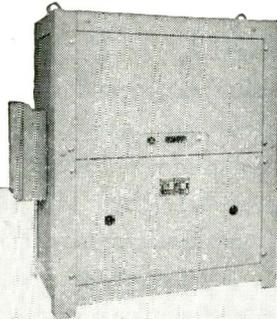
FOR 40 YEARS THE BUY-WORD FOR SOCKET SCREWS



General Application

Model	Load Range Volt-Amperes	*Regulation Accuracy
150	25-150	0.5%
250	25-250	0.2%
500	50-500	0.5%
1000	100-1000	0.2%
2000	200-2000	0.2%

*Models available with increased regulation accuracy.



Extra Heavy Loads

Model	Load Range Volt-Amperes	*Regulation Accuracy
3,000	300-3000	0.2%
5,000	500-5000	0.5%
10,000	1000-10,000	0.5%
15,000	1500-15,000	0.5%

*Models available with increased regulation accuracy.



the first line of STANDARD electronic AC voltage regulators and nobatrons

GENERAL SPECIFICATIONS

- Harmonic distortion : max. 5% basic or 2% "S" models
- Input voltage range: either 95-125 or 190-250 volts
- Output: adjustable between either 110-120 or 220-240 volts
- Input frequency range: 50-60 cycles
- Power factor range: down to 0.7 P. F.

All AC Regulators and Nobatrons may be used at no load.

Special Models designed to meet your unusual applications.

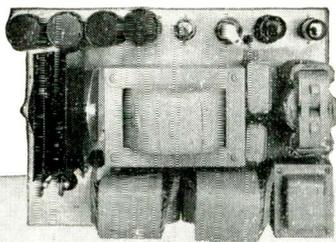
Write for the new Sorensen catalogue. It contains complete specifications on standard Voltage Regulators and Nobatrons.

Special Transformers, D. C. Power Supplies, Saturable Core Reactors and Meter Calibrators made to order; please request information.

SORENSEN & Company, Inc.

Stamford, Connecticut

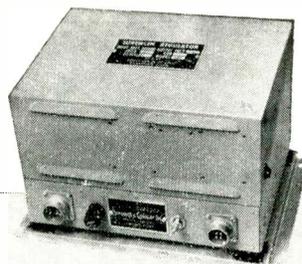
Represented in all principal cities.



The NOBATRON Line

Output Voltage DC	Load Range Amps.
6	5-15-40-100
12	5-15-50
28	10-30
48	15
125	5-10

Regulation Accuracy—.25% from 1/4 to full load.

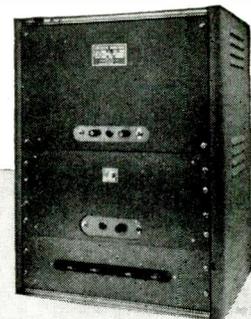


400 Cycle Line

Inverter and Generator Regulators for Aircraft

Single Phase and Three Phase

Model	Load Range Volt-Amps.	Reg. Accuracy
D 100	10-100	0.5%
D 500	50-500	0.5%
D 1200	120-1200	0.5%
D 2000	200-2000	0.5%



3-Phase Regulation

Star-connected three-phase systems can be handled effectively. Other three-phase systems must be reviewed by our Engineering Dept. VA Capacities up to 45 KVA.



Don't Guess - Specify BOND Precision Resistors and Coils

■ Where space-saved is vital, specify BOND Miniature Resistor #503. The smallest non-inductive wire-wound unit now available! Being designed is a unit even smaller: for Aircraft, TV, and Electronic apparatus.

■ Another New First! Multiple Resistor #210 has (4) independent, non-inductive windings internally connected to any conceivable network, to meet your requirements. Unit is designed primarily to cut production assembly costs.

■ Entire Bond Resistor line manufactured in accordance with Jan R-93 specifications. Fungi and humidity proofing, standard feature. Plus a complete line of Precision Wire-Wound Resistors, available in tolerances from 1% to 0.1%.

■ Bond Coil facilities now ready:

**TOROIDAL RADIO
INDUSTRIAL TELEVISION**

for custom winding to your exact specifications and requirements.

Send for Bond Catalog and Information Today!

Bond Electronics Corp.

88 Franklin Place • Summit, N. J.

Manufacturers of Radio
and Electronic Equipment

Complete Moisture & Fungus Proofing Service

TREATMENT OF COMPONENT PARTS TO GOV'T SPECS.
JANIZING-TROPICALIZING
HOT WAXING AND VARNISHING

A new high-speed low-cost method
for Automatic Moisture Proofing.

- **DEHYDRATING**
Small parts are thoroughly dehydrated for the length of time needed to thoroughly extract moisture.
- **AUTOMATIC DIPPING**
Parts are waxed and varnished according to specifications and all areas are thoroughly coated.
- **IMPREGNATING**
Sufficient time is allowed to thoroughly impregnate all materials to the full extent of their porosity.
- **CENTRIFUGING**
All surplus wax is removed by this operation leaving all machined surfaces and counter bores clean and smooth.

DOW-CORNING SILICONE TREATMENT OF ALL TYPES OF CERAMICS

PRODUCTION **P.E.** ENGINEERING
CLIFTON, N. J.

THIS IS THE

ONE BOOK

THE ONLY
ONE OF ITS KIND

In which
design engineers and
purchasing agents will find
a complete, accurate, and
up-to-date list
of the manufacturers
of all types of electronic
and allied products . . .
components and complete
equipment.

Keep it handy
for ready reference
throughout the year.

When buying, or requesting
product information be sure
to mention . . .

**electronics
BUYERS'
GUIDE**



PANORAMIC SONIC ANALYZER

Complete Audio Waveform Analysis in ONLY ONE SECOND

MODEL AP-1 is a scanning heterodyne instrument which in only one second automatically separates the frequency components of a complex electrical wave and simultaneously measures their frequency and amplitude. Components between 40 - 20,000 c.p.s. are graphically displayed, on a long persistence 5" cathode-ray tube screen, as vertical deflections distributed horizontally in order of frequency. Deflection height directly indicates component magnitude. Simplicity of operation and high speed spectrum visualization assure the fastest, simplest and most direct determinations of waveform content under static or dynamic conditions.

USES

- Harmonic Analysis
- Intermodulation Measurements
- High Frequency Vibration Studies
- Noise Investigations
- Acoustic Studies

SPECIFICATIONS

FREQUENCY RANGE: 40 - 20,000 c.p.s., scale logarithmic.

FIVE INPUT VOLTAGE RANGES: 0.5mv to 500v, each range divided into seven scale ranges with precision step attenuators. Internal voltage and frequency calibrators.

RESOLUTION: See graph

VOLTAGE SCALE: Linear and two decade log

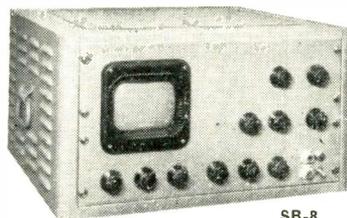
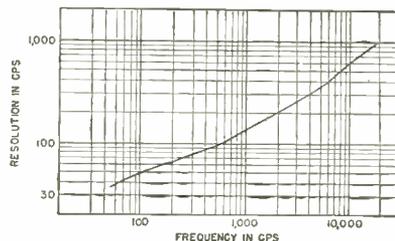
VOLTAGE ACCURACY: Within 10% on linear

scale and 1.5 db on log scale. Residual harmonic products suppressed at least 60db, hum suppressed at least 55db below maximum signal permitted on any input range.

INPUT IMPEDANCE: 250,000 ohms, approximately constant.

POWER SUPPLY: Voltage stabilized, operates on 115V-230V, 60 cycle, 100 watts.

DIMENSIONS: 22 $\frac{3}{8}$ " x 22 $\frac{3}{4}$ " x 20 $\frac{1}{2}$ "



SB-8

PANADAPTOR PANALYZOR

MODELS

SA-3, SA-6, SA-8

MODELS

SB-3, SB-6, SB-8

VISUAL PRESENTATION OF RF SPECTRUM FOR SIMPLE, RAPID ANALYSIS

By visualizing the frequency and amplitude of signals in portions of the RF spectrum, the Panalyzor and Panadaptor provide the utmost in simplicity and speed for investigating and solving such RF problems as frequency stability, modulation characteristics, oscillation, parasites and monitoring under static and dynamic conditions.

PANADAPTOR units operate with superheterodyne receivers which tune in the spectrum segment to be observed.

PANALYZORS use an external signal generator for this purpose and have a flat amplitude response for determining relative levels of signals.



SB-3

SOME USES

- Analyzing FM and AM Transmitters
- Testing Diathermy, Industrial RF equipments
- Analyzing Oscillators
- Monitoring Communications Channels
- Investigating Pulsed R.F. Signals
- Telemetry

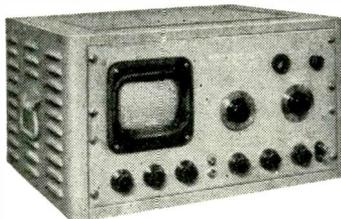
MODELS SA-8, SB-8 . . . FOR USE WHEREVER MAXIMUM SIGNAL RESOLUTION IS A "MUST."

SPECIAL FEATURES

Continuously Variable Resolution. Variable Scanning Rates, Synchronous and Non-synchronous. Long Persistence Displays. Intensity Grid Modulation for Pulse Analysis

PANALYZOR PANADAPTOR	Model SB-3 Model SA-3 Types				Model SB-6 Model SA-6 Types		Model SB-8 Model SA-8 Types		
	T50	T200	T1000	T6000	T10,000	T20,000	T200	T1,000	T10,000
Maximum Scanning Width	50KC	200KC	1MC	6MC	10MC	20MC	200KC	1M	10M
Resolution at Max. Scan	2.5KC	4.4KC	11.0KC	25KC	75KC	100KC	4KC x 2KC **	9KC x 4KC **	55KC x 25KC **
Resolution at Reduced Scan	1.9KC	3.8KC	7.5KC	22KC	65KC	75KC	450cps x 200cps **	600cps x**	12KC x**
*Input Frequency	500KC	500KC	5MC	30MC	30MC	30MC	500KC	5MC	30MC
†F of Companion Receiver	455KC	455KC	5.25MC	30MC	30MC	30MC	455KC	15.25 MC	30MC

* Applies to PANALYZOR † Applies to PANADAPTOR x For 30cps scanning rate ** For 6cps scanning rate



USES

- Harmonic and Cross Modulation Studies
- Filter and Transmission Line Checks
- Vibration Analysis
- Noise Studies
- Telemetry
- Monitoring

PANORAMIC ULTRASONIC ANALYZER

Model SB-7 for Easy, Fast Ultrasonic Spectrum Analysis

An entirely new instrument, the SB-7 provides continuous, high speed graphic displays of frequency versus amplitude of signals between 2KC and 300KC. Allows observation of many signals at one time. Enables instant identification of signals and their characteristics. Provides rapid indications of random changes in energy distribution. Direct Reading.

SPECIFICATIONS

FREQUENCY RANGE: 2KC - 300KC, stabilized linear scale
SCANNING WIDTH: Continuously variable from 200KC to zero.

FOUR INPUT VOLTAGE RANGES: 0.05V to 50V. Full scale readings obtainable with 1mv to 50V.

AMPLITUDE SCALE: Linear and two decade log

AMPLITUDE ACCURACY: Within 1db. Residual harmonics suppressed by at least 50db.

RESOLUTION: Continuously variable. 2KC at maximum scanning width, 500 c.p.s. for scanning widths below 8KC.

INPUT IMPEDANCE: 1 megohm shunted by 25mmf, approximately constant.

FOR COMPLETE DETAILS:
Complete data and prices available on request on all Panoramic Products



PLASTICON CAPACITORS

HI VOLT POWER SUPPLIES



Designed to transform 118V AC to high voltage—low current DC for use in radiation counters, oscilloscopes, dust precipitators, projection television sets, spectrographic analysers, photoflash equipment, etc. Hi Volt Power Supplies are self-contained in hermetically sealed steel containers.

HIVOLT

Cat. No.	VDC	Dimensions	List Price
PS-1	2400	3 1/4 x 3 3/4 x 5 1/2"	\$18.95
PS-2	2400	3 1/4 x 3 3/4 x 5 1/2"	25.75
PS-5	5000	4 1/4 x 3 3/4 x 6 1/2"	65.00
PS-10	10000	4 1/4 x 3 3/4 x 8"	100.00
PS-30	30000	7 x 7 x 7"	250.00

PHOTOFLASH CAPACITORS

For the best in photoflash capacitors, specify PLASTICONS for faster discharge and more light. Type AOEOE are the lightest photoflash capacitors made, more flexible to use, safer and more economical than single high capacitance large block.



PHOTO FLASH

Cat. No.	Watt Sec.	Pk. Chg. V.	Dimensions	List Price
AOEOE22C3	7.6	2250	4x2x1 1/2"	\$4.95
AOEOE3M2	9	3000	4x2x1 1/2"	5.12
AOEOE4M1.5	12	4000	4x2x1 1/2"	5.45
AOEOE55C1	15.1	5500	4x2x1 1/2"	6.05
AOEOE4M12	100	4000	4 1/2 x 4 1/2 x 3 3/4"	46.20
AOEOE4M24	200	4000	8 x 4 1/2 x 3 3/4"	66.00

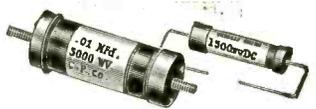
PLASTICONS

By the use of synthetic plastic film dielectrics, PLASTICONS can be made smaller, lighter, more efficient and more economical than older types of capacitors made with paper and mica insulation. Plastic film capacitors are chemically purer and more uniform. Plastic capacitors have a longer life and can operate under more severe conditions.

SPECIAL PLASTICONS

Taking advantage of the wide variety of plastic film dielectric characteristics, Plasticons are engineered to meet many special applications. We can furnish capacitors for 200°C for pulse network duty; close tolerances; ultra high resistance. Send us your specifications.

GLASSMIKES ASG



Type ASG are Plasticon A dielectric-silicone fluid impregnated capacitor elements in hermetically sealed glass tubes. Temperature range—60° C to +125° C. The smallest and lightest high voltage capacitors made. Type ASG are ideal for DC and low frequency AC applications.

Cat. No.	Cap. Mfd.	Volts D.C.	Dimensions	List Price
ASG 1	.01	600	1 1/2 x 1 1/2"	\$1.50
ASG 2	.02	600	1 1/2 x 1 1/2"	1.60
ASG 3	.05	600	1 1/2 x 1 1/2"	1.75
ASG 4	.1	600	1 1/2 x 1 1/2"	1.95
ASG 5	.25	600	1 1/2 x 2 1/4"	2.25
ASG 6	.5	600	1 1/2 x 2 1/4"	2.60
ASG 7	.005	1,000	1 1/2 x 1 1/2"	1.50
ASG 8	.01	1,000	1 1/2 x 1 1/2"	1.60
ASG 9	.02	1,000	1 1/2 x 1 1/2"	1.70
ASG 10	.05	1,000	1 1/2 x 1 1/2"	1.85
ASG 11	.1	1,000	1 1/2 x 2 1/4"	2.15
ASG 12	.25	1,000	1 1/2 x 2 1/4"	2.50
ASG 13	.002	2,000	1 1/2 x 1 1/2"	1.90
ASG 14	.005	2,000	1 1/2 x 1 1/2"	2.05
ASG 15	.01	2,000	1 1/2 x 1 1/2"	2.25
ASG 16	.02	2,000	1 1/2 x 1 1/2"	2.50
ASG 17	.05	2,000	1 1/2 x 2 1/4"	2.80
ASG 18	.1	2,000	1 1/2 x 2 1/4"	3.20
ASG 19	.25	2,000	1 1/2 x 2 1/4"	3.70
ASG 20	.001	3,000	1 1/2 x 1 1/2"	5.15
ASG 21	.002	3,000	1 1/2 x 1 1/2"	5.25
ASG 22	.005	3,000	1 1/2 x 1 1/2"	5.40
ASG 23	.01	3,000	1 1/2 x 1 1/2"	5.60
ASG 24	.02	3,000	1 1/2 x 1 1/2"	5.85
ASG 25	.05	3,000	1 1/2 x 2 1/4"	6.15
ASG 26	.1	3,000	1 1/2 x 2 1/4"	6.50
ASG 27	.001	5,000	1 1/2 x 1 1/2"	6.50
ASG 28	.002	5,000	1 1/2 x 1 1/2"	6.70
ASG 29	.005	5,000	1 1/2 x 1 1/2"	6.95
ASG 30	.01	5,000	1 1/2 x 1 1/2"	7.25
ASG 31	.02	5,000	1 1/2 x 2 1/4"	7.65
ASG 32	.05	5,000	1 1/2 x 2 1/4"	8.15
ASG 33	.1	5,000	1 1/2 x 2 1/4"	9.10
ASG 34	.001	7,500	1 1/2 x 1 1/2"	7.00
ASG 35	.002	7,500	1 1/2 x 1 1/2"	7.25
ASG 36	.005	7,500	1 1/2 x 1 1/2"	7.55
ASG 37	.01	7,500	1 1/2 x 2 1/4"	8.15
ASG 38	.02	7,500	1 1/2 x 2 1/4"	9.25
ASG 39	.05	7,500	1 1/2 x 2 1/4"	11.50
ASG 40	.0005	10,000	1 1/2 x 1 1/2"	7.30
ASG 41	.001	10,000	1 1/2 x 1 1/2"	7.50
ASG 42	.002	10,000	1 1/2 x 1 1/2"	7.80
ASG 43	.005	10,000	1 1/2 x 1 1/2"	9.00
ASG 44	.01	10,000	1 1/2 x 2 1/4"	10.50
ASG 45	.02	10,000	1 1/2 x 2 1/4"	12.50
ASG 46	.03	10,000	1 1/2 x 3 1/2"	15.00
ASG 47	.06	10,000	1 1/2 x 3 1/2"	17.50
ASG 48	.0005	15,000	1 1/2 x 2 1/4"	14.50
ASG 49	.001	15,000	1 1/2 x 2 1/4"	14.80
ASG 50	.002	15,000	1 1/2 x 2 1/4"	15.50
ASG 51	.005	20,000	1 1/2 x 3 1/2"	19.50
ASG 52	.0005	30,000	1 1/2 x 3 1/2"	22.50

RF GLASSMIKES

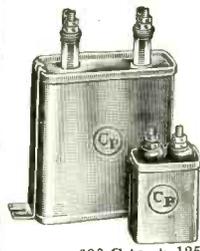


Plasticon L film-silicone fluid impregnated in Glassmike

style case. Type LSG has Q of 2500 to 5000. Rated at 3500 WV—7500 V Test. Lower losses, more easily mounted, smaller and more economical than mica capacitors.

Cat. No.	Cap. Mfd.	Dimensions OD Length	List Price
LSG500	.00005	1 1/2 x 1 1/2"	\$1.50
LSG101	.0001	1 1/2 x 1 1/2"	1.50
LSG251	.00025	1 1/2 x 1 1/2"	1.50
LSG501	.0005	1 1/2 x 1 1/2"	1.50
LSG102	.001	1 1/2 x 1 1/2"	1.70
LSG202	.002	1 1/2 x 1 1/2"	2.45
LSG502	.005	1 1/2 x 1 1/2"	3.50
LSG602	.006	1 1/2 x 1 1/2"	3.75
LSG103	.01	1 1/2 x 1 1/2"	4.25

INDUSTRIAL and TRANSMITTING



Plasticon A element; mineral oil impregnated in sturdy lead coated steel containers. Temperature range—40° C to +105° C. Type AOC—rectangular; Type AOOC—flattened oval. Type ASC and ASCO (not listed) have Plasticon A element, silicone impregnated. Same dimensions as corresponding AO types. Temperature range—60° C to +125° C; greater capacitance stability. Prices on application.

DC RECTANGULARS

Cat. No.	Cap. Mfd.	Volts DC	Dimensions	List Price
AOC6C1	1.0	600	2 1/4 x 1 1/2"	\$3.74
AOC6C2	2.0	600	2 1/4 x 1 1/2"	4.51
AOC6C4	4.0	600	3 1/2 x 2 1/4"	5.81
AOC6C8	8.0	600	4 x 3 1/4"	8.47
AOC6C10	10.0	600	4 1/2 x 3 1/4"	9.52
AOCIM1	1.0	1,000	2 1/4 x 1 1/2"	4.02
AOCIM2	2.0	1,000	4 x 1 1/2"	5.39
AOCIM4	4.0	1,000	4 x 2 1/4"	6.54
AOCIM8	8.0	1,000	4 1/2 x 3 1/4"	9.24
AOCIM10	10.0	1,000	4 1/2 x 3 1/4"	10.67
AOC2V105	0.5	2,000	2 1/4 x 1 1/2"	4.84
AOC2M1	1.0	2,000	3 1/2 x 2 1/4"	5.88
AOC2M2	2.0	2,000	3 1/2 x 2 1/4"	6.82
AOC2M4	4.0	2,000	3 1/2 x 3 1/4"	9.24
AOC3M1	1.0	3,000	4 x 2 1/4"	12.10
AOC3M2	2.0	3,000	4 x 3 1/4"	15.40
AOC3M4	4.0	3,000	4 1/2 x 3 1/4"	21.28
AOC4M1	1.0	4,000	4 x 3 1/4"	27.50
AOC4M2	2.0	4,000	4 x 3 1/4"	33.00
AOC4M4	4.0	4,000	4 x 3 1/4"	50.44
AOC5M1	1.0	5,000	4 x 3 1/4"	33.00
AOC5M2	2.0	5,000	3 1/2 x 3 1/4"	41.25
AOC75C1	1.0	7,500	3 1/2 x 3 1/4"	49.50
AOC10M1	1.0	10,000	4 x 3 1/4"	88.00

DC OVALS

Cat. No.	Cap. Mfd.	Volts D.C.	Dimensions	List Price
AOCO6C2	2.0	600	2 1/4 x 1 1/2"	\$4.40
AOCO6C4	4.0	600	4 x 2 1/4"	5.28
AOCOIM1	1.0	1,000	2 1/4 x 1 1/2"	3.85
AOCOIM2	2.0	1,000	3 1/2 x 2 1/4"	5.17
AOCO3M01	0.1	3,000	2 1/4 x 1 1/2"	7.59
AOCO5M01	0.1	5,000	2 1/4 x 1 1/2"	14.08
AOCO5M025	0.25	5,000	3 1/2 x 2 1/4"	15.40
AOCO5M05	0.5	5,000	4 1/2 x 2 1/4"	18.15
AOCO8M005	0.05	8,000	2 1/4 x 1 1/2"	15.18
AOCO8M01	0.1	8,000	3 1/2 x 2 1/4"	16.72
AOCO10M005	0.05	10,000	3 1/2 x 2 1/4"	19.25

LABORATORY CAPACITORS

Type LAG (Glassmike style) and Type LAC (Rectangular can) have the lowest dielectric absorption of any capacitor made. Residual charge is .01—.02%. Dissipation factor at 1 MC is .0002 to .0003. Capacitance and Q is constant from DC to 100 KC. Resistance averages one million megohms per microfarad. Standard capacitance tolerance is ± 5%. Type LA units are used for timing and integrating circuits.

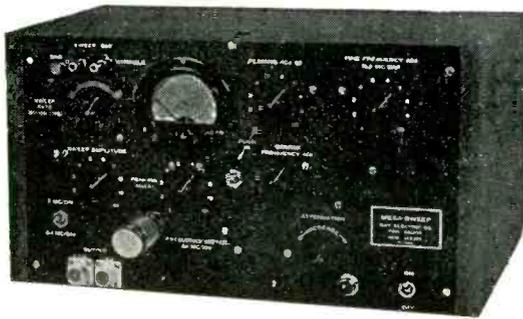
Cat. No.	Cap. Mfd.	Dimensions
LAG101	.0001	1 1/2 x 1 1/2"
LAG201	.0002	1 1/2 x 1 1/2"
LAG501	.0005	1 1/2 x 1 1/2"
LAG102	.001	1 1/2 x 1 1/2"
LAG202	.002	1 1/2 x 1 1/2"
LAG502	.005	1 1/2 x 1 1/2"
LAG103	.01	1 1/2 x 1 1/2"
LAG203	.02	1 1/2 x 2 1/4"
LAG503	.05	1 1/2 x 2 1/4"
LAC104	.1	2 1/4 x 1 1/4 x 1"
LAC204	.2	2 1/4 x 2 1/4 x 1 1/4"
LAC504	.5	4 x 2 1/2 x 1 1/4"
LAC105	1.	4 x 3 1/4 x 1 1/4"
LAC205	2.	4 x 3 1/4 x 2 1/4"
LAC505	5.	6 x 3 1/4 x 4 1/4"

Prices Upon Application

The above condensed version of the Plasticon Line appears in the catalogs of leading electronic distributors. Plasticons are manufactured by Condenser Products Company, Chicago 22, Illinois

KAY ELECTRIC COMPANY

KAY MEGA-LINE



MEGA-SWEEP

Wide range sweeping oscillator. Frequency range: 100 kc—1000 mc. Sweep: 30 mc. Price \$395.



MEGA-MATCH

Visual display of reflected energy. Frequency range (Standard Model): 10—250 mc; (Modified Model): 10—1000 mc. Price STD. \$695, MOD. \$895.



MEGA-PULSER

Ultra-short pulse generator. Pulse widths: .025, .05, 0.1, 0.25. Output: 100 v. across 50 ohms. Price \$195.



MEGALYZER JR.

Sensitive visual voltmeter and spectrum analyzer. Frequency range: 30 to 1000 mc. Sensitivity: 100 to 10,000 micro-v. Frequency resolution: 100 kc. Price \$250.



MEGALIGNER

CW "Birdie" type pip marker for TV alignment. Frequency range: 19 to 49 mc. Accuracy: 0.5% full scale. Price \$150.



MEGA-MARKER SR.

Crystal controlled. An accurate source of RF markers at sound carrier frequency. Frequency range: 12 channels. Output: channels 2-5, 6000 mv; 6-13, 3000 mv. Price \$195.00.



MICROWAVE MEGA-MATCH

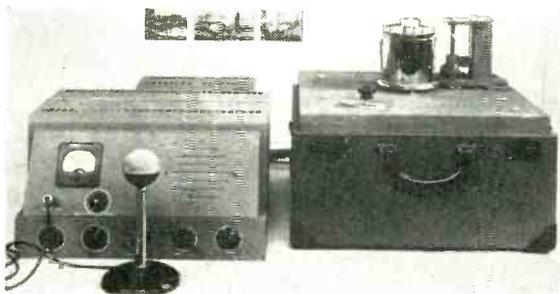
Displays reflected energy at X-Band. Frequency range: 8500 to 9700 mc. Frequency sweep: 30 mc. Sensitivity reflection coefficient down to 0.02. Price \$895.



MEGA-NODE

Calibrated noise source. Frequency range: 1-220 mc. Noise figure: 0-17 db at 50 ohms; 0-23 db at 300 ohms. Price \$295

KAY SONALINE



SONA-GRAPH

A fourier analyzer for complex audio waves. Frequency range: 85-8000 ps. Recording time: 2.4 seconds. Amplitude display: 35 db. Price \$1595.



SONALATOR

An instantaneous fourier analyzer for complex audio or supersonic waves. Frequency range: 100-4000 cps and up. Frequency resolution 135 cps. Price \$950.

WRITE FOR CATALOG

All prices FOB Factory. Prices outside U. S. A. and Canada 10% higher

KAY ELECTRIC COMPANY

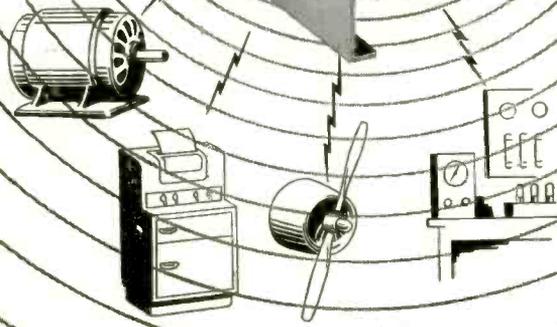
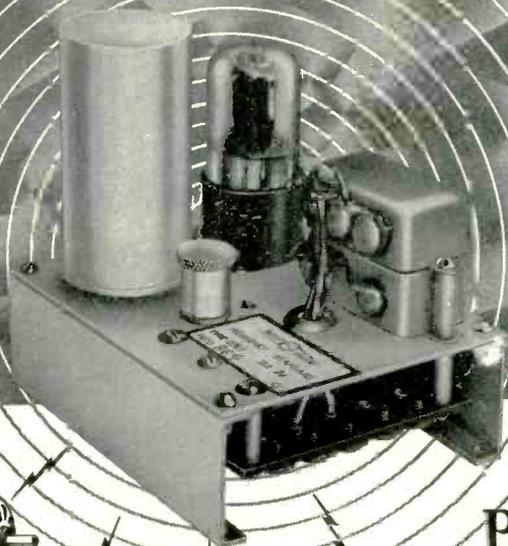
25 Maple Avenue

Pine Brook, New Jersey

Caldwell 6-4000

Other instruments in the Mega-line: Micro-Pulser, Mega-Markers, Megalyzer, Mega-Pipper.

PICK A NUMBER
 ANY FREQUENCY FROM 10 TO 1,000



Pictured here is a tuning-fork frequency standard with accuracy guaranteed to one part per million per degree Centigrade. The fork is temperature-compensated and hermetically sealed against variations of barometric pressure. This standard, when combined with basic equipment, facilitates accurate speed and time control by mechanical, electrical, acoustical or optical means.

The unit is available separately or in conjunction with complete timing instruments. Our engineers are ready to cooperate on any problem.

MOTORS • FACSIMILE • AIRCRAFT • LABORATORIES

American Time Products, Inc.

580 Fifth Avenue

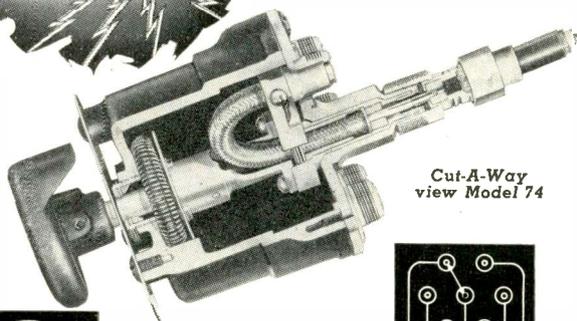
New York 19, N. Y.

OPERATING UNDER PATENTS OF THE WESTERN ELECTRIC COMPANY

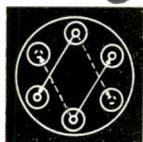


BIRD INSTRUMENTATION FOR COAXIAL TRANSMISSION

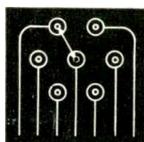
COAXWITCH . . . *The Selector Switch for Coaxial Circuits*



Cut-A-Way view Model 74



Solid lines indicate position 1. Dotted lines indicate position 2.



Single lines mean complete coaxial circuits

These are 50 ohm switches, designed for use in coaxial circuits. Characteristic impedance is maintained thru all internal details of the switch and LOW STANDING WAVE RATIOS realized. Switch is comparable in VSWR with the cable and connectors with which it is used.

USES—As a channel selector in transmitter or receiver controls—production line testing of coaxial circuited equipment such as TV receivers—selection of antennas with phase monitors in directionals—intra-equipment switching in coax. links, etc.—with Model 72-2, double ended selection of insertion devices, filters, etc.

CABLE TYPES AND CONNECTORS—Three standard models now available for use with 50/52 ohm cable and Type "N" Fittings. Adaptors and special versions for use with other connectors are available. Other impedance levels, such as 70/75 ohm can be supplied.

STANDING WAVE RATIOS—at 550 mc, VSWR is below 1.03. At 1000 mc, below 1.1. At 3000 mc, VSWR is not over 1.3.

MODELS—Model 74 handles single circuit with choice of six channels. Model 72-2 handles double circuit with choice of two channels (DPDT). Model 718 handles single circuit with choice of eight channels.

TERMALINE DIRECT-READING RF WATTMETERS

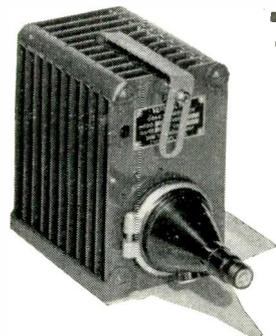
VHF-UHF

FOR USE WITH CW-AM-FM-TV TRANSMITTERS



Direct-reading instruments for power measurement of transmitters in the 30 to 1000 mc. 1 to 2500 watt group. Accuracy far exceeds any instrument previously available. As simple as use of an ordinary DC voltmeter. Can measure transmitter power, take accurate data on how transmitter power output is affected by line voltage, transmitter temperature rise, time, etc. Gives an accurate standard termination for 50/52 ohm lines, so that comparisons are readily made between antennas and this standard load. Transmitter line and connector losses readily checked to accuracy needed in field work. Determination can be easily made as to how present transmitter performance compares with that realized previously. Results are accurate in absolute terms.

PRINCIPLE—Wattmeter measures power by the E^2/R method. The Termaline resistor (almost a pure resistance over a wide frequency range) dissipates power applied. Dual or triple voltmeter cartridges using the 1N21B crystal diode are bridged across the Termaline resistor input and feed a DC meter with scales direct-reading in terms of RF power.



TERMALINE Coaxial Load Resistors (Dummy Antennas)

Designed to have a constant input impedance over the frequency range from 0 (DC) to over 4000 mc. Its unique design puts reactance to work and causes it to represent an almost pure resistance, over its frequency range, with NEGLIGIBLE VSWR. The active power dissipating portion is the outer surface of a cylindrical film-type resistor, which forms the center conductor of a special self-terminated coaxial structure. Constant impedance properties depend upon shape of coaxial assembly and distribution of resistance along length of outer surface of resistor.

Major application has been as a dummy load for CW, AM, FM or TV transmitters. Being non-radiating, adjustment of transmitters can be made without violation of FCC rulings. A special version of the Termaline resistor is now being incorporated in television transmitters for test purposes. It has proven highly useful as a terminator for connectors being investigated for insertion VSWR properties, and for insertion loss measurements on filters, cables, etc.

SPEC.	MODEL 61	MODEL 67	MODEL 67C
FREQUENCY RANGE	30-500 mc or 500-1000 mc	30-500 mc or 500-1000 mc	30-500 mc or 500-1000 mc
POWER RANGE	80 Watts Dual Range 15/60 or 20, 80	500 Watts Triple Range 25/100/500W	2500 Watts Water-Cooled Scales to Order
IMPEDANCE	51.5 ohms	51.5 ohms	51.5 ohms
INPUT CONNECTOR	Female "N" Fits UG-21 or UG-21B, U Plug	Supplied with Adapter for UG-21 or UG-21B Other Optional	Fittings For Any Standard Rigid or Flexible Coax. Line Available
SCALE TYPE	Expanded At Low Scale Readings	Expanded At Low Scale Readings	Hand-Drawn To Order
ACCURACY	5% of Full Scale	5% of Full Scale	5% of Full Scale
PHYSICAL DIM.	8 x 6 x 4" Wght—10 lbs.	17 x 9 x 6" Wght—30 lbs.	21 x 9 x 6" Wght—40 lbs.

VSWR—Typical VSWR's taken on production units of Model 81 and 81B—

AT	VSWR	AT	VSWR	AT	VSWR
130 mc	1.02	700 mc	1.042	1400 mc	1.075
230 mc	1.02	800 mc	1.015	1500 mc	1.09
300 mc	1.03	900 mc	1.031	1700 mc	1.085
400 mc	1.048	1000 mc	1.046	1800 mc	1.03
500 mc	1.048	1100 mc	1.02	2000 mc	1.067
600 mc	1.024	1200 mc	1.037	3000 mc	1.114

IMPEDANCE—51.5 OHMS

SPEC.	MODEL 81	MODEL 81B	MODEL 82	MODEL 82C
POWER RATING	50 Watts Continuous	80 Watts Continuous	500 Watts Continuous	2500 Watts Water-Cooled
VSWR LESS THAN	1.15 to 4000 mc	1.15 to 4000 mc	1.2 to 2700 mc	1.2 to 2700 mc
FITTINGS	Type "N" Takes UG-21/U or UG-21B/U Plug	Type "N" Takes UG-21/U or UG-21B/U Plug	Supplied With CA-8 Adaptor for UG-21/U Other Optional	OPTIONAL Cable Type Being Used Should Be Specified

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CHICAGO CONDENSER CORPORATION

CHICAGO 47, ILLINOIS

TYPE NO.	CAP. MFD.	LENGTH	DIAMETER
200 VOLTS D.C. OPERATING			
2250	.25	1 3/4"	5/8"
2100	.1	1 3/4"	1/2"
2050	.05	1 3/4"	3/8"
2040	.04	1 3/4"	3/8"
2030	.03	1 3/4"	3/8"
2020	.02	1 3/4"	3/8"
2010	.01	1 3/4"	3/8"
400 VOLTS D.C. OPERATING			
4250	.25	2"	1 1/8"
4100	.1	1 5/8"	3/8"
4050	.05	1 5/8"	3/8"
4040	.04	1 5/8"	3/8"
4030	.03	1 5/8"	3/8"
4020	.02	1 5/8"	3/8"
4010	.01	1 5/8"	3/8"
600 VOLTS D.C. OPERATING			
6250	.25	2"	3/4"
6100	.1	1 7/8"	3/8"
6050	.05	1 5/8"	3/8"
6040	.04	1 5/8"	3/8"
6030	.03	1 5/8"	3/8"
6020	.02	1 5/8"	3/8"
6010	.01	1 5/8"	3/8"
6005	.005	1 5/8"	3/8"
6001	.001	1 5/8"	3/8"

APPROVED TELEVISION CAPACITORS

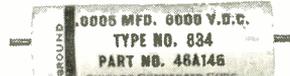
TYPE NO.	CAPACITY	LENGTH	DIAMETER
6000 VOLTS D.C.			
834	.0005	2"	5/8"
833	.001	2"	5/8"
850	.005	2 5/8"	1"
854	.03	3 1/2"	1 1/8"
832	.05	3 1/2"	1 1/2"

CHICAGO WAX TUBULAR CAPACITORS



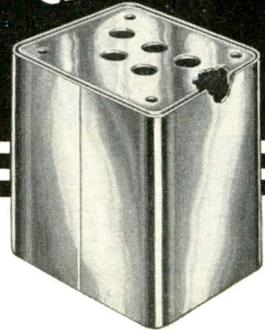
- NON-INDUCTIVELY WOUND
- HIGH VACUUM IMPREGNATION
- PAPER TUBES VACUUM WAXED
- TINNED COPPER WIRE
- END FILLED WITH HI-WAX
- FLASH TESTED 3 TIMES

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WEISS TRANSFORMER CASES



FEATURES:

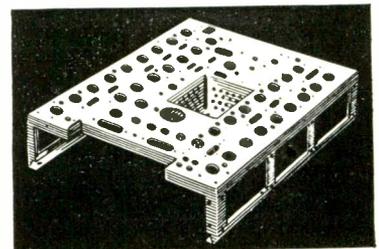
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6. Weiss covers and cases can be furnished with holes pierced, reinforcing brackets, channels or strips, tapped holes, studs, weld nuts, tapped inserts, etc., to better meet your specifications.
7. Height of case variable.

Core	Length	Width	Height
EE26-27	1-1/4"	1-1/2"	2"
EI-21	1-1/2"	1-3/4"	2-5/16"
EI-625	1-3/4"	2-1/8"	2-9/16"
EI-75	2-1/8"	2-7/16"	2-15/16"
EI-11	2-7/16"	2-15/16"	3-3/8"
EI-3A	2-15/16"	3-1/8"	3-11/16"
EI-12	2-7/8"	3-3/16"	3-3/4"
EI-112	3-3/16"	3-1/2"	4-1/4"
EI-195	3-1/2"	3-7/8"	4-5/8"
EI-137	3-7/8"	4-1/4"	5-1/16"
EI-13	4-1/4"	4-3/4"	5-1/2"
EI-36	4-3/4"	5-1/4"	6-3/4"
EI-175	4-7/8"	5-1/2"	6-5/16"
EI-19	5-1/4"	6-1/4"	8-1/16"

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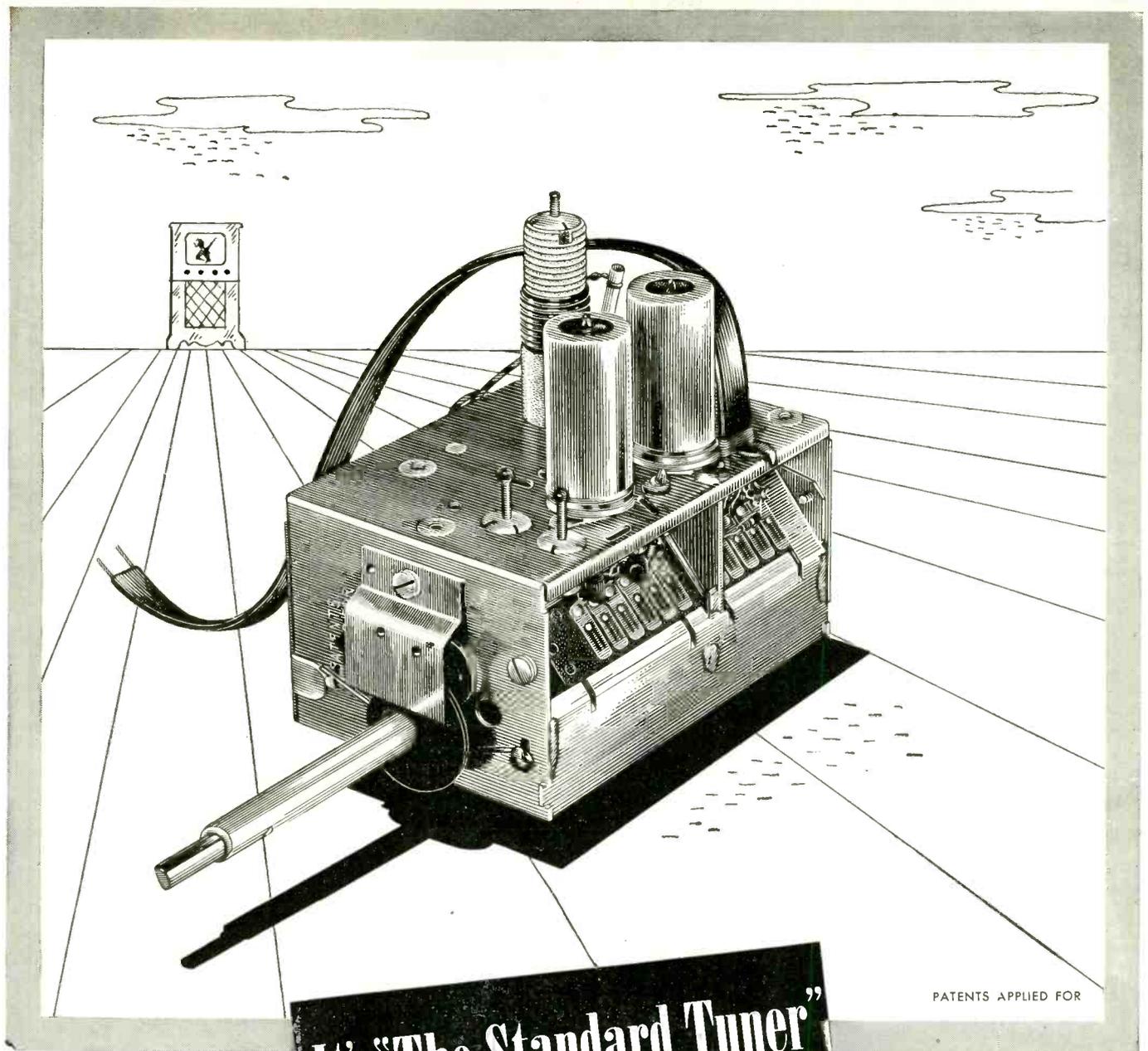


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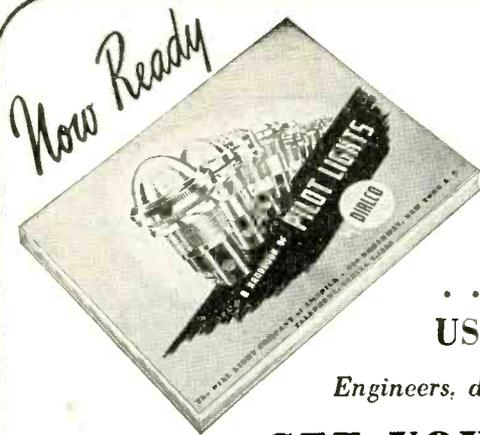
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BUYERS' GUIDE

In it you will find pertinent
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on . . .

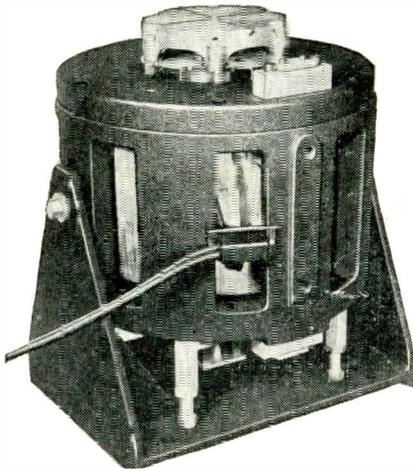
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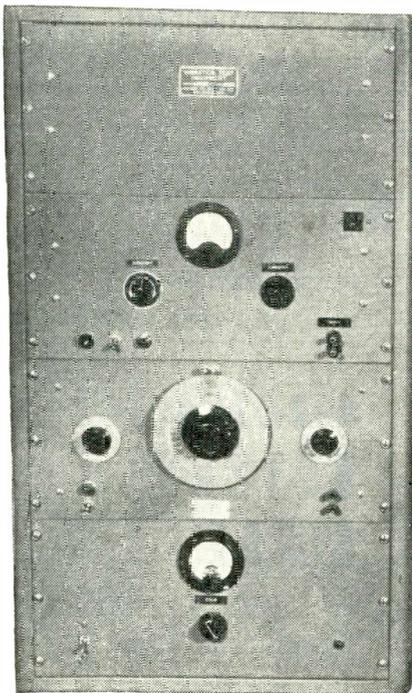
S-3 EXCITER

MB VIBRATION EXCITERS and CALIBRATOR

These MB products have shown themselves to be valuable, versatile test and quality-control tools to industry. Producing results quickly, dependably, and often *visually*, they have many important applications. For example: (1) Fatigue testing of mechanical and electrical structures to destruction under dynamic loads. . . . (2) Determination of noise sources in automobiles, bodies and chassis, air conditioning equipment, blowers and similar equipment. . . . (3) Shake testing of light electrical components to operate under high vibratory loads. . . . (4) Determination of damping characteristics of rubber, steel, brass, plastics and other materials. . . . (5) Identification of resonant frequencies and modes. These exciters also provide a convenient means for determining natural modes of wings, stabilizers, fin and control surfaces on aircraft structures.

The Model C-1 Vibration Exciter listed below has been specifically designed for the requirements of vibration pickup calibration work. Not only can it be used for calibration of vibration pickups up to 500 c.p.s. and higher, but also as a vibration exciter.

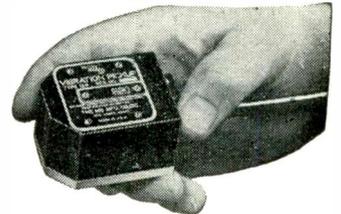
T112031 POWER SUPPLY (for Model C-1)



Model No.	Rated Force	Total Stroke	Wt. of Moving Components	Power Supply	Rated Frequency Range c.p.s.	Usable Range c.p.s.
S-A	5 lb.	1/2 in.	0.4 lbs.	Electronic	20 to 1000	20 to 20,000
C-1	25 lb.	1/2 in.	2.5 lbs.	Electronic	4 to 500	4 to 70,000
S-3	200 lb.	1 in.	10 lbs.	Rotating	3 to 500	3 to 500

MB VIBRATION PICKUP

An aid to vibration control and production inspection . . . sensitive to low amplitude vibration . . . can be used with wide range of equipment . . . simple field adjustment converts from horizontal to vertical use . . . electrically damped . . . maintains calibration over wide temperature ranges . . . resonant frequency below 5 c.p.s. . . . velocity response flat from 10 to 1000 c.p.s.

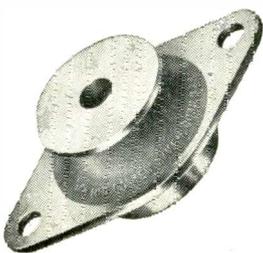


MB VIBRATION METER

This precision Model "M" meter offers a complete, compact unit for vibration measurements when used in conjunction with the MB vibration pickup. It provides for accurate readings of velocities from .01 in./sec. to 100 in./sec. — or peak to peak amplitudes from .001 inch to 0.6 inch. It also serves as a pre-amplifier, so that signal can be fed to oscilloscope. Simple, rugged, battery-operated, portable, it is outstanding for quality control or research work.

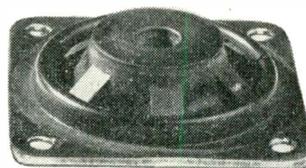


ISOMODE* COMPRESSION-TYPE ISOLATORS



These units utilize the properties of rubber in balanced compression and shear. They provide large deflection ratings together with high load capacity, small size, and exceptional stability. Have equal spring rates in all directions — mount at any angle — absorb vibrations for every plane. Unit load-range 50 lbs. to 2500 lbs. Write for the *Isomode* Design Chart.

STANDARD PLATE-TYPE ISOMODE* MOUNTS



These vibration isolators are built with standard mounting dimensions — are available for loadings of 1/2 to 100 pounds per unit. An outstanding feature is the equal spring rate in every direction. No matter at what angle they are installed, they will absorb vibration with same high efficiency.

*Reg. U. S. Pat. Off.

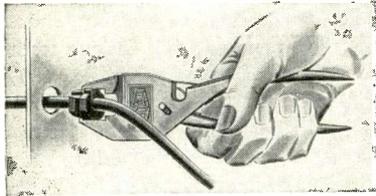
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BUSHINGS

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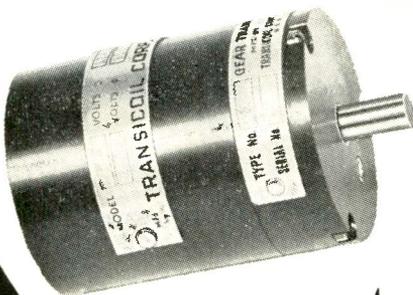
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RELAYS

Sensitive MULTIPLE ARM RELAYS A. C. and D. C.

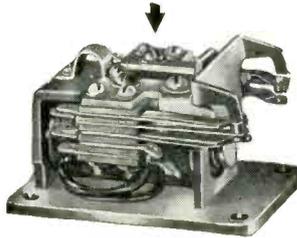
Adaptable to a wide variety of circuit arrangements. Features: Mounting area minimized, vertical, balanced armature, interchangeable unit contact pile-ups, unusually high contact pressures, shock and vibration resistant. Four styles of assemblies: 1. Relays only. 2. Octal Base and removable cover. 3. Octal Base and hermetically sealed cover. 4. Header type container, hermetically sealed.

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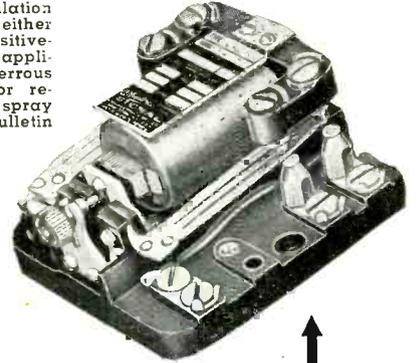
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Sensitive SPECIAL PURPOSE RELAYS



Many special purpose applications may be satisfied with this basic structure where sensitivity combined with ruggedness are essential requirements. Contact capacity 5 amperes. Contact springs are pre-loaded against suppressors to eliminate low pressure contact dwell. Contacts are self-wiping. Coils cellulose acetate sealed. Insulation available for either voltage or sensitive-current relay applications. All ferrous parts plated for resisting salt spray corrosion. Bulletin KR-6.

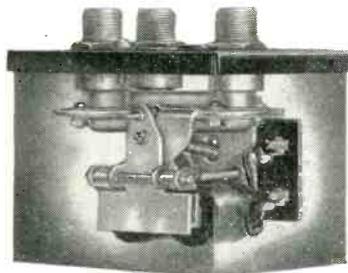


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Actuating rod of special molded composition floats in ball and cup end bearings. Armature provided with oilite bearings, and stainless steel shaft, insuring mechanical life of several million operations.

Contact arm construction provides wiping action in both transmit and receive positions. Bulletin CR-6 upon request.



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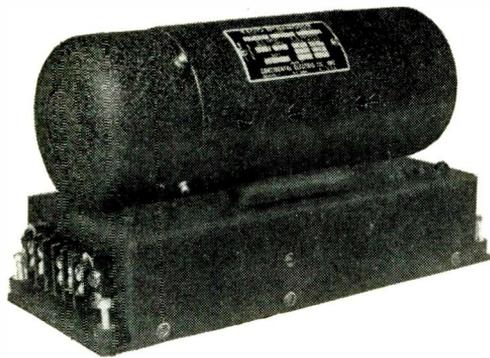


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A new series of multiple arm relays adaptable to many different circuit arrangements. Rigid, cast aluminum bodies. Balanced armature construction. Highly resistant to shock and vibration. Write for the technical facts and particulars of our Engineering Service on your specific problem. Bulletin 30-6.

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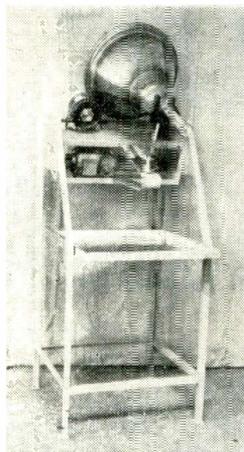
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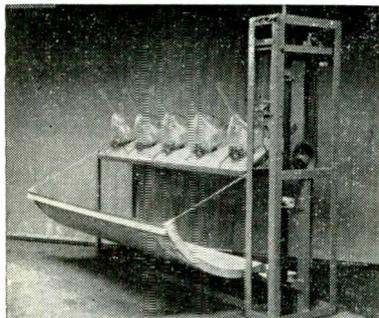


Do You Have Any Problems In MANUFACTURING VACUUM TUBES?

If so, let us help you solve them. We will build—to your specifications and design—any kind of equipment for the tube manufacturing or associated industries. Or, Buck engineers will design and build equipment to solve your problems. The devices illustrated here are just a few examples of Buck Engineering's work in this field. Inquiries are invited.

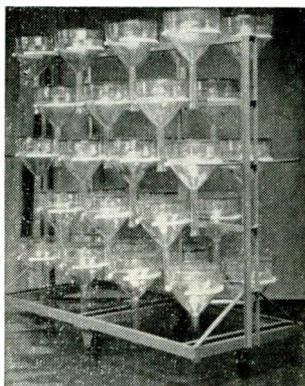
← An easy way of turning tubes for inside coating

- Takes 16" metal and 10" or 12" glass blanks with simple adjustment
- Blanks insert or remove without stopping machine
- No vacuum to operate or maintain
- no revolving chuck jaws or joints to wear out
- 3-speed cone sheave for wide speed range
- Fixed linear speed for easy brushing
- Cheaper than mechanical or vacuum chuck
- Cannot jam—eliminates tube breakage.



←
TILTING TABLE
for 10" and 12"
C. R. Tubes.
Standard or
special designs
for any tube,
type or size.

→
CARRIER
for 10" and 12"
Tubes; greater
capacity; less
floor area; no
dirt on screens



BUCK ENGINEERING CO., INC.
37-49 Marcy Street • Freehold, New Jersey

FOR CRITICAL APPLICATIONS

Requiring the Highest Dielectric Qualities

UNICON MYKAPLAST CAPACITORS

Power Factor: .01—.02%

Q: Several Thousands to the Megacycle Range

I. R.: 2 Megamegohms Per Microfarad

Residual Charge: 0.05% after 0.1 Second Discharge

Temp. Coefficient: -0.05%/°C

Bulk: 36 cu.in./mf. at 2000 volts;
9 cu.in./mf. at 200 volts.

Voltage Range: 200 volts D.C. to 50,000 volts D.C.

Capacity Tolerance: Standard ± 5%; Special to ± 1%.

Small tubular condensers with insulation resistance of 10¹⁴ ohms available for radiation detection instruments. Size 5/16" D x 1" L for capacities up to 500 mmf.

UNITED CONDENSER CORP.

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Shurite
TRADE MARK

ELECTRICAL MEASURING INSTRUMENTS



TYPES — ammeters, milliammeters*, voltmeters, AC and DC. Resistance Meters.

ACCURACY — well within 5%. AC meters are double-vane, repulsion type; DC meters are polarized-vane solenoid type.

CASES — three basic styles, all requiring 2-5/32" hole; round or rectangular; mounted by flange, ring or clamp. Certain DC models available with zero adjuster. Pocket type available on special order.

*A new 0-3 Ma. DC Milliammeter is now available with 500 ohm. internal resistance. Sensitive type; moving magnet construction; scale arc 75° — patent pending.

RUGGED

ATTRACTIVE

MODERATELY PRICED

Ask for Bulletin F-53

SHURITE METERS

35-A Hamilton St.

New Haven 8, Conn.

New R&S AUTOMATIC LOCKING Midget EVER-LOK

PLUGS, RECEPTACLES & CORD CONNECTORS

FOR COMMERCIAL AND INDUSTRIAL APPLICATIONS

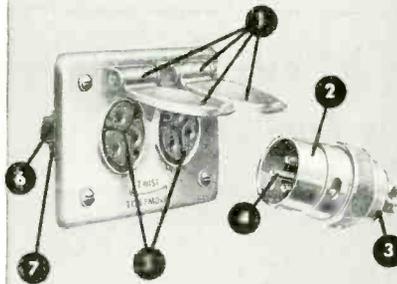


10 Amp. 250 V.
15 Amp. 125 V.
A.C. or D.C.

Small size solves space problems. Typical uses: business offices, institutional buildings, industrial plants, etc. Adaptable as component for portable electrical equipment: electric machine tools, communication and sound equipment, X-ray apparatus, etc. Embody all dependable features of larger Ever-Lok units, plus advanced improvements.

1. Spring hinged, gasketed covers close receptacle when not in use.

2. Plated steel housings fully protect the contacts.



3. Adjustable Cord Grips eliminate strain on connections.

4. Contacts are precision-made, self-wiping, and self-aligning.

5. Rigidly constructed, all interiors of molded arc-resisting composition.

6. Heat-treated beryllium copper contacts and terminals . . . an advanced EVER-LOK feature.

7. Compact design provides ample capacity, yet allows for easy wiring.



New 12-page catalog fully describes all types, dimensional drawings, ordering information, etc. Ask for catalog EL49-6.

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Precision-Built Electrical Equipment

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TYPICAL APPLICATIONS FOR Midget EVER-LOK DEVICES

in the Electronic and allied industries

Adaptable as components for:

- Accelerometers.
- Amplifiers:
 - Audio Frequency,
 - Audio Input Systems,
 - Keying,
 - Ultrasonic, and
 - Vibration Pickup, etc.
- Battery Chargers.
- Blowers, Small.
- Broadcast Input Control.
- Cameras:
 - Cathode Ray Oscillograph,
 - Television, and
 - X-Ray.
- Chambers, Humidity Test.
- Chronoscopes.
- Communication Systems:
 - Airport Traffic Control,
 - Portable Installation,
 - Radioteletype, etc.
- Controls:
 - Counter,
 - Sorting, and
 - Register, etc.
- Converters:
 - Frequency Shift.
- Detectors.
- Electrocardiographs.
- Electroencephalographs.
- Gages:
 - Measuring, and
 - Electronic Inspection.
- Geophysical Apparatus.
- Indicators.
- Inverters.
- Machines.
- Meters:
 - Sound Level, etc.
- Monitors.
- Oscillographs.
- Radar Systems, & Equip't.
- Receivers:
 - Communication,
 - Portable and Mobile;
 - Radio Direction
- Recorders:
 - Facsimile,
 - Materials Thickness,
 - Sound and Phonograph,
 - Sound Level, and
 - Strain.
- Spectrometers, Mass.
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- Transmitters.
- Turntables:
 - Recording and Transcription.
- Vibration Analysis Equipment.
- X-Ray Equipment.

We are looking for "trouble"

Let us know of your unsolved problem. Perhaps it can be resolved electronically. For the past six years we've helped many a manufacturer reduce costs and improve quality by more accurate measurement and control.

Among our customers are manufacturers of:

- CLUTCHES
- PLATE GLASS
- SPARK PLUGS
- COMBUSTION ENGINES
- LABORATORY EQUIPMENT
- ORDNANCE EQUIPMENT

We have available a service for pre-selection and testing (burning-in) of tubes for instrument manufacturers.

Send for a reprint of the informative article entitled "ELECTRONIC INSTRUMENTS FOR INDUSTRY." Have your problem surveyed without obligation.

INDUSTRIAL ELECTRONICS, INC.



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QUALITY COILS
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We manufacture quality coils for the radio and electronics industry. Universal, bank-wound, universal-progressive or solenoid coils made to JAN specifications. Let us know your requirements: We will quote promptly.

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NEW JERSEY
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A Complete Line of Electrolytic Capacitors For Every Electronic Application

Whatever your condenser needs may be, from original application to replacement, there is an Illinois condenser to meet them.

The Illinois Condenser Co. has developed an expanded line to serve every phase of the entire electronic field—from radio to television. Illinois Condenser Co. can supply condensers to your individual specifications in production quantities.

All Illinois condensers are backed by a one-year guarantee—can be depended upon to serve outstandingly, even in the most humid climates and under brutal heat conditions . . . thanks to strictest quality control manufacturing methods in the industry.

Time Tested ILLINOIS CONDENSERS

TYPE IHT—TUBULAR ELECTROLYTICS IN ALUMINUM CANS

Wire pigtails. Low, intermediate, and high voltage.

TYPE IHC — WAX IMPREGNATED CARDBOARD TUBULARS

Clamp mounting. Low and high voltage—multiple units.

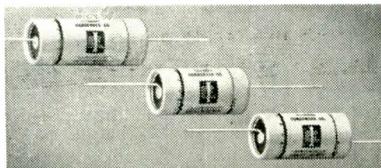
TYPE UMP—TWIST PRONG CONDENSERS

In seamless drawn aluminum cans. Universal mounting plate. Single, Dual, Triple and Quadruple, low and high voltage.

TYPE LN—INVERTED SCREW MOUNTING

Locknut metal cans. Stud screw base mounting. High voltage single and multiple units.

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HIGH VOLTAGE BUFFER CONDENSERS



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THIS BOOK...

The electronics BUYERS' GUIDE

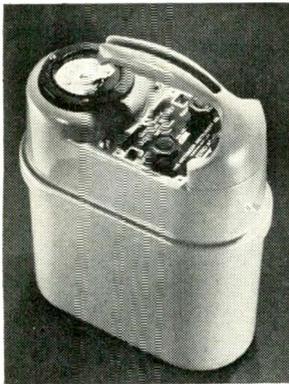
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Victoreen—the Finest in Radiation Instrumentation

GAMMA RADIATION SURVEY METER—Model 247A



A compact portable instrument designed to cover four ranges of gamma radiation intensities, 2.5—25—250—2500 milliroentgens (1/1000 r) per hour. The most sensitive range approximates that of a Geiger instrument and is inherently more stable. The ionization chamber and meter are hermetically sealed, and the case is watertight. Die castings have been used wherever possible for unusual rugged construction.

VICTOREEN MINOMETER—Model 287



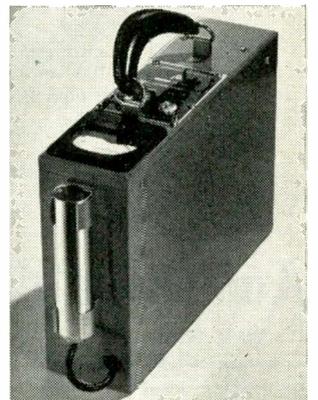
The Minometer provides a prescription for computing daily, the amount of radiation exposure. It consists of a small compact string electrometer and an ionization chamber designed in the shape of a fountain pen to be carried conveniently in a coat pocket. The chamber value is 0.2 r full scale when checked against the calibrated scale in the electrometer.

ALPHA SURVEY METER—Model 356



A portable Alpha meter in which alpha radiation is measured by means of an air ionization chamber, and a vacuum tube amplifier circuit which operates an indicating meter—light, compact, and unusually stable.

BETA GAMMA SURVEY METER—Model 263B



A portable beta gamma survey meter capable of detecting individual ionizing particles. It uses the new 1B85 counter tube in a compact external probe, easily accessible. Probe and tube are watertight. The instrument has three full scale ranges of sensitivity, 20.0—2.0—0.2 milliroentgens per hour measured with gamma radiation from radium. Incorporates the recommendations of field tests.

PROTEXIMETER

Roentgen Calibrated for visual indicated of scattered radiation



Measures scattered radiation accumulatively to meet the need in radiation laboratories and in industrial x-ray applications where it is essential to have accurate knowledge of such accumulated radiation. Easy to operate and requires a minimum of service. The plug-in type ionization chamber contains a sub-miniature electrometer tube hermetically

sealed in. Because of the plug-in design, several chambers can be used interchangeably with the same instrument to facilitate measurement at more than one location. The leakage across the chamber is so minute that it will not appreciably affect any reading. Standard flashlight batteries are used which, because of low tube drain, require infrequent replacement.

THE NEW All Metal *THYRODE 1B85

The 1B85 is a general purpose beta gamma counter tube designed to replace the thin-walled glass tube.

It is electronically interchangeable with the 1B67/VG-13 and other similar tubes. Greater uniformity and closer tolerances are maintained in the 1B85. The coaxial base fits Thyrode Socket No. 380. Tubes are easily replaceable even in water-tight probes. Resistance to vibration and mechanical shock is greater than that of the glass tubes.

Threshold voltage 800 Plateau slope 3% max.
Operating voltage 900 Wall (aluminum)30 mg/cm²
Plateau length 200 v. min. Temperature rating.—10 + 100° C

VICTOREEN HI-MEG RESISTOR

For electrometer circuits where stability, accuracy, and high humidity operation are of prime consideration. Resistor element is vacuum sealed in a glass envelope. Special silicone varnished surface makes the hi-meg less susceptible to humidity effects than other circuit components. Carefully controlled accelerated aging process insures stability. For application in Geiger tube circuits, photo cell circuits, mass spectrometers and leak detectors.

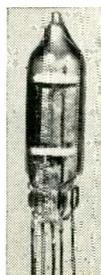
OPERATING CONDITIONS

Temp.—40 to 120° C Volt .001 to 1000 V Rel. humidity 0 to 98%

CHARACTERISTICS

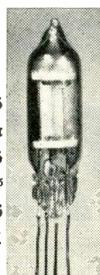
Resistance range 10³ to 10¹² ohms
Tolerance from specified resistance* ±10%
Tolerance from labeled resistance ±1%
Temp. coef.06 to .15% °C
Volt. coef.02 to .03% V
*Higher resistance or closer tolerances are available on special request.

SUBMINIATURE TUBES FOR NEW CIRCUIT REQUIREMENT



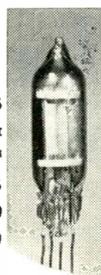
5800/VX-41A CHARACTERISTICS

Fil. Volt. 1.25
Fil. Cur. 10 ma
Plate Volt. 4.5
Grid Cur. ... 3 x 10⁻¹⁵
Trans.15
Ampli.1



5803 CHARACTERISTICS

Fil. Volt. 1.25
Fil. Cur. 10 ma
Grid Cur. 10⁻¹⁴
Plate Volt. 7.5
Trans.150
Ampli. 2.0



5828 CHARACTERISTICS

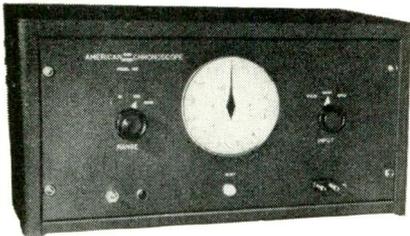
Fil. Volt. 1.25
Fil. Cur. 10 ma
Plate Volt. 50
Trans.450
Ampli.17

THE VICTOREEN INSTRUMENT CO.

5806 HOUGH AVE.,
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An Electronic Stop-Watch

for the measurement of time
10 microseconds to 1 second



Model 100

\$375.00

- DIRECT READING
- ACCURATE
- SIMPLE

THE AMERICAN HIGH SPEED CHRONOSCOPE

DESIGNED for universal application. Four ranges — 1, 10, 100 and 1000 milliseconds full scale. Accuracy is better than one scale division (1%) on any range.

INDISPENSABLE for development and production of business machines, contactors, gas tubes, relays, shutters, switches, welders and a host of other products. Write for Bulletin 100 A.

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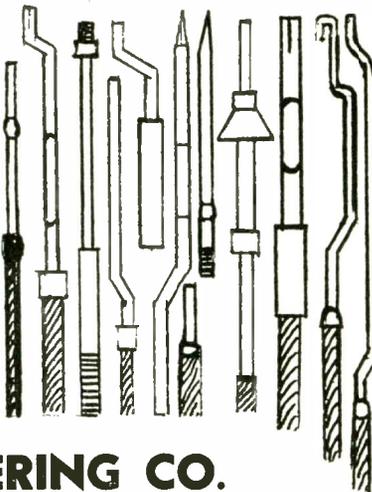
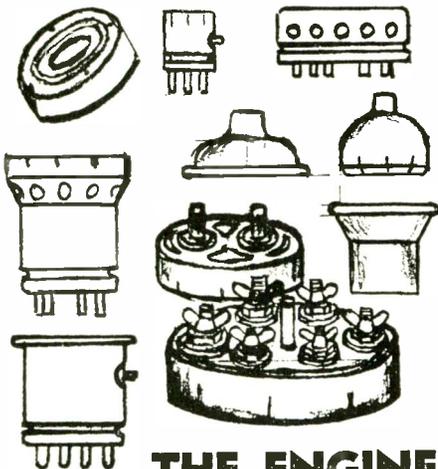
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TUBE
COMPONENTS

METAL STAMPINGS
POLISHING - PLATING
SCREW M'C'H PRODUCTS
ASSEMBLY WORK



CAPS - BASES
LEADWIRES
ALL TYPES

TUNGSTEN LEADS
MOLY NICKEL
KOVAR PLATINUM
AND ALL ALLOYS
NICKEL CLAD COPPER



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27 Wright St.

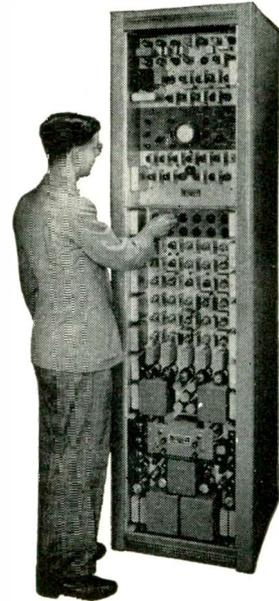
Newark 5, N. J.

POLARAD TELEVISION Equipment

for studio • laboratory • manufacturer

SYNCHRONIZING GENERATOR

Model PT 101—Television



FEATURES

- Built-in 3" oscilloscope with synchronized sweeps for viewing Timing and Video Output pulse wave forms.
- Synchronized marker system for checking pulse width and rise time.
- Extreme stability, insured by deriving all pulses from leading edge of master oscillator pulse.
- Means for checking synchronizing pulses in odd and even fields.

SPECIFICATIONS

525 line, interlaced, 60 fields, 30 frames, RMA Synchronizing pulses held to tolerance specified in the NITPB report of 1945. Output Pulses: Synchronizing, Video Blanking, Camera Blanking, Horizontal Driving, Vertical Driving Pulses. 5 volts across 100 ohm termination. Dual output jacks. 115 volts 50/60 cps. Complete with tubes.

TELEVISION MONOSCOPE SIGNAL SOURCE

Model PT 102

- Composite Video Signal
- Wide Band Video Amplifier, 6 DB down at 10MC
- Dual outputs for feeding two 75 or 100 lines
- Black positive or Black negative output
- Resolution greater than 600 lines

INPUT: Vertical and Horizontal Driving pulses. Camera and Kinescope Blanking Pulses.

OUTPUT: Composite Video Signal, 3 volts. 100 ohm line 115 volts 50/60 cps. Complete with tubes and including high and low voltage power units.

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Polarad

Electronics Company

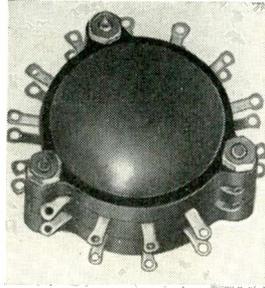
Television engineers and consultants to the nation's great television stations.



ROTARY SELECTOR SWITCHES

INSTRUMENT TYPE MOLDED SWITCHES

Fully Enclosed
Single and
Multi-Gang
Shorting and
Non-Shorting*
14 and 20
Positions
1 to 6 Decks



- All moving contacts enclosed—eliminates dirt and corrosion.
- Contact lugs permanently integrated into switch assembly.
- Sturdy construction with 3-post deck suspension, double-grip collector arms, and rectangular drive shaft through decks for precision indexing.
- Interchangeable, electrically and mechanically with J-B-T Series 55-14 and 20 position Laminated Switches, widely used by industry and the Armed Services.
- Normal make-and-break with resistance load, 25 Ma. at 300 volts AC or DC; normal carrying capacity (not make-and-break) 1 amp.; maximum momentary capacity (not make-and-break) 5 amp.; maximum voltage between contacts and ground, 1000 volts R.M.S.; between decks and ground, 2000 volts R.M.S. Average contact resistance 0.007 ohms or less.

Ask for Bulletin F-54

*Standard items, but not regularly stocked. Check with your Distributor.

VIBRATING REED FREQUENCY METERS

Panel Mounting or
Portable, for use
when constant or
known frequency
is important to
efficient operation
of equipment.



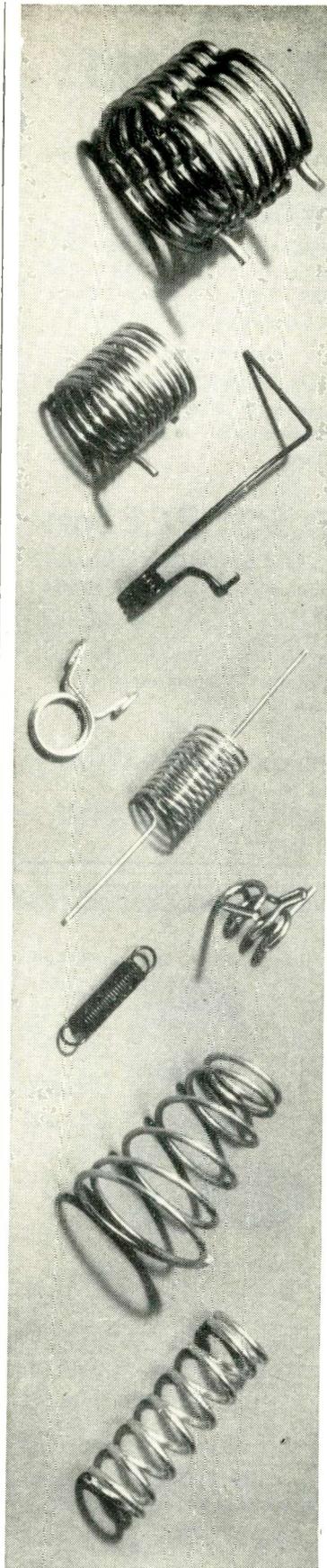
- **Permanently Accurate** within $\pm 0.3\%$ or better, depending on the model. This accuracy is not affected by poor wave form, external magnetic disturbances, or voltage fluctuations.
- **Size and Type for Every Service.** Made in a wide variety of case styles, reed groupings and frequency ranges from 12 cycles to 525 cycles. 100-130 volts, standard.
- **Rugged Construction,** with no parts to wear out or get out of calibration. Ideal for field and mobile applications.

Ask for Bulletins VF-43, VF-43 1A, 1B and 1C

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APPLIANCE TEMPERATURE TESTERS
TEMPERATURE INDICATORS
LABORATORY GALVANOMETERS

J-B-T INSTRUMENTS, INC.
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Designer of

SPRINGS

WEBSTER is geared to build precision springs the modern way. Our plant, complete in every detail, is equipped with modern, high-speed automatic spring-coiling machines for compression and extension springs of every size, with attachments for torsion springs; also fourslides for wire forms, and all necessary machines for stampings, flat springs and clock springs. Our Engineering Department is fully conversant with all spring problems and is at your service, without any obligation on your part, to solve your technical troubles. This is one of the many reasons WEBSTER has built up a reputation for friendly and efficient service.

PRODUCTS USING WEBSTER SPRINGS:

Electronics: I.F. and F-M Coil Windings, Corona or Grid Clips and Standoffs for Radio, Television and Phonographs, Dial Cord Springs, Pilot Light Socket Springs, etc.

Electrical Appliances:

Brushes	Switches
Cord Springs	Vibrators
Heaters	Vacuum Cleaners
Irons	Washing Machines
Motors	Toasters
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OUR NEW QUARTERS



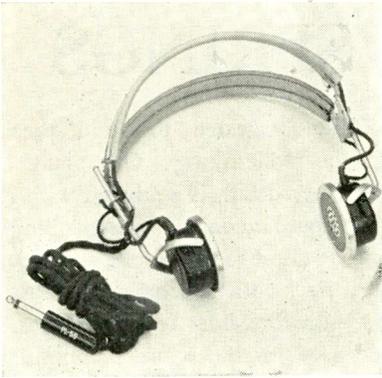
We have just moved into this new and modernly equipped plant and can now produce and deliver your orders promptly

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Hi-Fidelity DYNAMIC HEADPHONES



← Model DHS-17

IMPORTANT:

This PERMOFLUX Model now has CAA Type Certification #CAA TC 3R4-2; also Model DHS-15 Standard Dynamic Headset, CAA Certification CAA TC 3R4-1.

PERMOFLUX PRODUCTS represent the finest engineering developments . . . built of best materials to most exacting specifications.

PERMOFLUX is a GOOD SOURCE for:

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- Standard DYNAMIC Earphones
- High Fidelity DYNAMIC Earphones
- Standard DYNAMIC Headphones
- EAR CUSHIONS

Also an extensive line of:

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- Midget Transformers
- Output Transformers

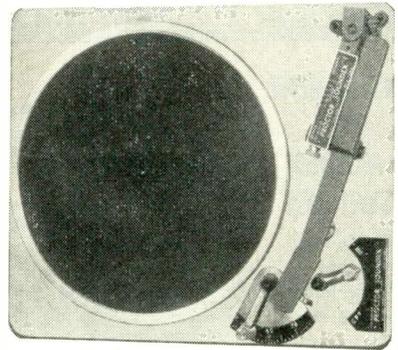


PERMOFLUX CORPORATION

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PROCTOR SOUNDEX PLAYBACK UNIT



**ANY: RECORD
SPEED
CARTRIDGE
PRESSURE
instantly**

With Proctor SounDEX's new Floating Disc Drive Multi-Speed Turntable and Pickup Arm

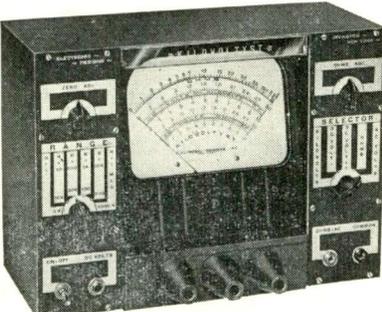
- Instantly shifts to 33 1/3—45—78
- Obsoletes costly rim, gear, belt drives
- Eliminates wow, flutter, speed variation
- Faster starting light-weight
- Interchangeable Cartridge Carriers
- Standard & microgroove substitution

Write for Bulletin

PROCTOR SOUNDEX CORP.
133 N. 6th Ave. Mt. Vernon, N. Y.

KILOVOLTYST

NEW! HIGH VOLTAGE—HIGH FREQUENCY



30,000 VOLT TELEVISION VACUUM TUBE VOLT-METER-OHMMETER (INCLUDING A HIGH-FREQUENCY PROBE)

The KILVOLTYST has an improved bridge amplifier circuit meter individually calibrated for use with test leads, DC leads, R.F. probe and batteries.

FEATURES:

- 1—Resistance multiplier block is completely shock-proof and will safely withstand 50,000 Volts.
 - 2—Resistance block has a potential difference of only 5,000 Volts between decks; insulation between decks will safely stand 20,000 Volts.
 - 3—Hi-Voltage Jacks designed for maximum safety.
 - 4—New and improved high frequency signal tracing probe.
 - 5—7-inch meter, tilted for easy reading.
 - 6—Indirect illumination of meter dial.
 - 7—Meter recessed in cabinet to provide protection.
 - 8—Cabinet designed to save bench space.
- Is supplied in individual copper-colored steel case—12" long x 6" deep x 9" high, 110-120 Volts—50-60 cycles.

LIST PRICE \$150.00 INCLUDING PROBE

EDIPROBE—THE PENCIL THIN R.F. PROBE



FEATURES:

1. Smallest R.F. probe made, 1/2" diameter x 4 1/2" long, low loss lamitox.
2. Standard phone plug will fit into D.C. jack of VTVM.
3. Frequency range 60 Cycles to over 100 Megacycles.
4. R.F. Voltage ranges 0/3-10-30-50. 50 Volts to be measured on 100 Volt range.
5. Effective circuit loading: 3 mmf. and 1 megohm.
6. Can be used as an output meter.
7. Can be used for measuring decibels.
8. Tests condensers for open circuits.

LIST PRICE \$7.00

VACUUM TUBE VOLTMETER-OHMMETER

FOR VISUAL DYNAMIC SIGNAL TRACING

Enables laboratory engineers and radio service technicians to measure every voltage required in the design laboratory and radio servicing.



The VTVM is supplied in individual black steel cases, 9 5/16" high, 6" wide, 4 3/4" deep.

Shipping weight 10 1/2 lbs. complete.

110 - 120 Volts, 50-60 cycles.

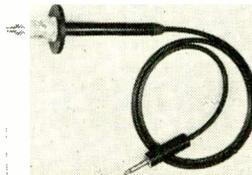
FEATURES OF THE VTVM

1. D.C. Ranges: 0 to 3-10-30-100-300 and 1,000 volts. All ranges have a constant input resistance of 11,000,000 ohms. Accuracy 3%±.
2. A.C. Ranges: 0 to 10-30-100-300 and 1,000 volts. Sensitivity: 1,000 ohms per volt. Accuracy 5%±.
3. Ohmmeter Ranges: 0-1,000 ohms, 0-10,000 ohms, 0-100,000 ohms, 0-1 megohm, 0-10 megohms, and 0-1,000 megohms.
4. R. F. Voltage Ranges: 0/3-10 30-50. 50 Volts to be measured on 100 Volt range (using the Ediprobe.)
5. Improved bridge amplifier circuit. Bridge Amplifier Circuit Meter individually calibrated for use with set of test leads, D.C. probe and batteries.

LIST PRICE \$52.50

HIGH VOLTAGE PROBE—Model P30

Overall range up to 30,000 Volts. Calibrated for Electronic Designs VTVM Model 100. Used in Television Circuits, Experimental High Voltage Applications, Industrial Electronics and for Transmitter Power Supplies. Send for full information.



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EAR and EYE TUNED



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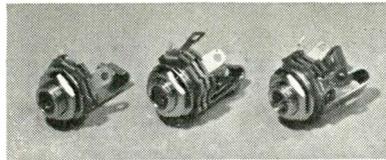
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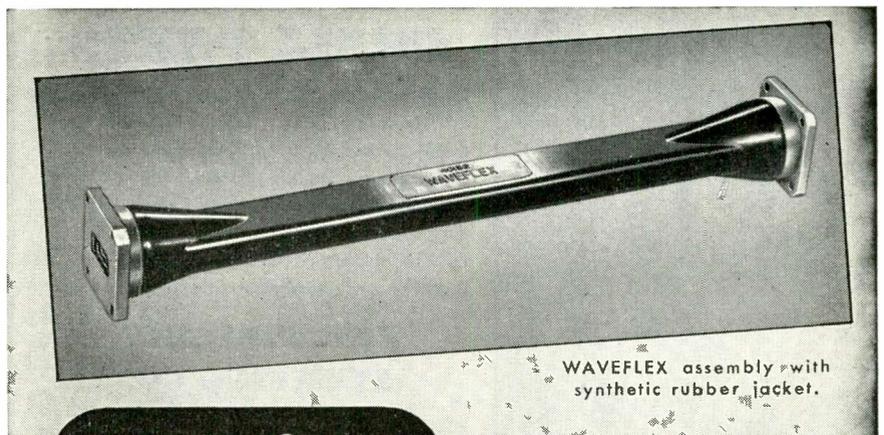
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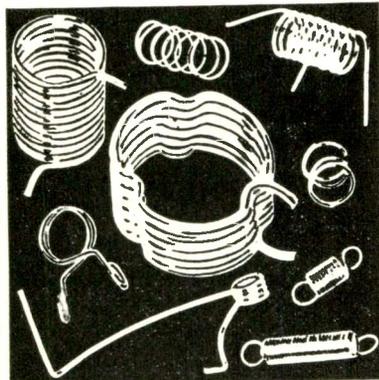
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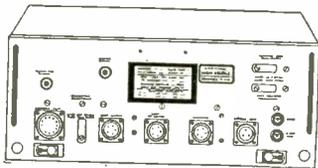
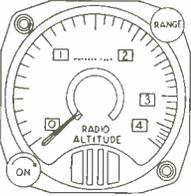
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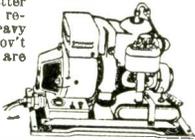


Brand new APN-1 14 tube electronic altimeter in original factory packing. This famous 18x9x7 unit, which weighs only 25 lbs. without plugs or cables, cost the govt. \$2000 and includes a transmitter, a receiver, all tubes, an altitude meter, an altitude limit switch, and two easily installed 11' antennas. Working on the radar principle, the receiver measures the absolute altitude from 3 to 4000 feet, with precision enough for blind landings. In addition the altitude limit switch gives an alarm if the plane's height varies by more than 10 feet from a preadjusted value. Fills recent C.A.A. requirements effective Feb. 15, 1949, that all scheduled airlines must have terrain clearance indicators capable of giving warnings at 500, 1000 and 2000 ft. Another outstanding feature is that connections are provided to control an electronic automatic pilot. Send for our aircraft radio equipment catalog. Export inquiries invited.

Model for 12 to 14 volts D.C. \$75.00
Model for 24 to 28 volts D.C. \$45.00

OUR PE-109 POWER PLANT
DIRECT CURRENT

This power plant consists of a gasoline engine that is coupled to a 2000 watt 32 volt DC generator. This unit is ideal for use in locations that are not serviced by commercial power or to run any of the surplus items that require 24-32v DC for operation. The price of this power plant tested and in good condition is only \$79.95 F.O.B. Buffalo, or we can supply in strictly "as is" condition for \$58.95 F.O.B. New York City. These latter are exactly as received, in heavy steel-strapped govt. cases, and we are unable to determine if the individual units are new, or what the condition is if used, while the \$79.95 are some of the same that we have brought to Buffalo for testing and repair if necessary. We do not recommend gambling on the "as is" condition, except for quantity purchasers. We can supply a converter that will supply 110v AC from the above unit or from any 32v DC source for \$12.95.



Sensational Value in AC-DC POCKET TESTER

This analyzer, featuring a sensitive repulsion type meter housed in a bakelite case, represents the culmination of 15 years achievement in the instrument field by a large company specializing in electronic test equipment.



Specifications of the AC-DC Model Volt-Ohmmilliammeter:
AC V—0.25, 50, 125, 250
DC V—0.25, 50, 125, 250
Milliamperes AC—0 to 50
DC Milliamperes—0 to 50
Ohms Full Scale—100,000
Ohms Center Scale—2400
Capacity—.05 to 15 Mfd.

Total Price, prepaid anywhere in the U.S.A.—\$7.00. Similar DC Meter, lacking the AC operated ranges of above, \$5.50 prepaid

"SO" RADAR SET

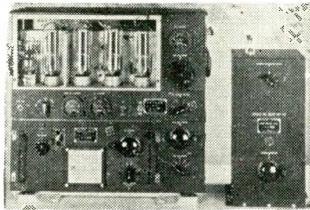
"SO" RADAR RECEIVER, complete with 9 tubes including picture tube. This Plan—Position—Indicator Oscilloscope has a self-contained pack designed to run from the 110 V. power supply on LST or IPT boats. It provides a 5" diameter picture adjustable at will to an 80, 40, 4 or 2 mile circle with the land, other ships, or any obstruction, so that navigation can be carried out in pitch darkness or densest fog with as much safety as in brightest sunlight. Your cost \$39.95.

All sales final and no returns unless otherwise specified in ad of item. Right reserved to change prices and specifications without notice. Cable address: Bufrad

GENERAL ELECTRIC 150 WATT TRANSMITTER
COST THE GOVERNMENT \$1800.00

COST TO YOU—BRAND NEW—EXPORT PACKED \$100.00

This is the famous transmitter used in U. S. Army bombers and ground stations, during the war. Its design and construction have been proved in service, under all kinds of conditions, all over the world. The entire frequency range is covered by means of plug-in tuning units which are included. Each tuning unit has its own oscillator and power amplifier, coils and condensers, and antenna tuning circuits—all designed to operate at top efficiency within its particular frequency range. Transmitter and accessories are finished in black crackle, and the milliammeter, voltmeter, and RF ammeter are mounted on the front panel. Here are the specifications: **FREQUENCY RANGE:** 200 to 500 KC and 1500 to 12,500 KC. (Will operate on 10 and 20 meter bands with slight modification for which diagrams are furnished. **OSCILLATOR:** Self-excited, thermo compensated, and hand calibrated. **POWER AMPLIFIER:** Neutralized class "C" stage, using 211 tube and equipped with antenna coupling circuit which matches practically any length antenna. **MODULATOR:** Class "B"—uses the 211 tube. **POWER SUPPLY:** Supplied complete with dynamometer which furnishes 1000v at 350 MA. from either 12 or 24 volts. Complete instructions are furnished to operate set from 110V AC. **SIZE:** 21 1/2 x 23 x 9 1/4". Total shipping wgt. 300 lbs., complete with all tubes including a full set of spares besides the necessary for operation, dynamometer power supply, seven tuning units, antenna tuning unit and the essential plugs.



VACUUM TUBE VOLT-OHM-CAPACITY METER

All purpose instrument. Designed not only to meet present conditions but to be readily adaptable to future needs. At the sensationally low price of this precision instrument no school, plant, lab or service shop need deprive itself of the "new look" in measuring equipment. Here are a few of the many features of this outstanding meter:

- 5 inch easy to read meter.
- DC voltage ranges from 0 to 1000 V (input resistance as high as 1 megohm pr volt.).
- 5 AC voltage ranges from 0 to 1000 V (No dry disc rectifier to age and destroy the accuracy of this V A C U M TUBE VOLT-METER).
- 6 Resistance ranges from 2/10 ohm to 1000 megohms.
- 4 Capacity ranges from .000025 to 20 MFD.
- A zero center range for balancing FM discriminators.
- Isolating resistor built into probe.
- Sturdy natural finish hard wood case.



This outstanding development of one of the leading manufacturers of test equipment costs only \$39.50 complete with all leads, as illustrated. 20,000 ohm per volt SUPERTESTER. Similar in appearance and made by same manufacturer as Vacuum Tube V-O Capacity Meter pictured above. Specifications as follows:

DC volts at 20,000 ohms per volt: 0-3v, 15v, 60v, 300v, 500v, 600v
AC volts at 10,000 ohms per volt: 0-6v, 30v, 120v, 600v, 3000v, 6000v
Current: 0-60 Microamps, 0-6MA, 60 MA, 600MA, 6 Amperes
Resistance: 0-3000, 300,000, 3 Megs, 300 Megs
Decibels: Minus 4 to plus 77 DB divided into 6 ranges
All special 1% accurate multipliers used. No external source of power required for AC measurements although there is no frequency error in the range from 30 cycles to 1 megacycle.

1949 MODEL MUTUAL CONDUCTANCE TUBE TESTER, \$52.95

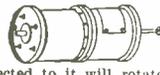
Attractive panel and case... Calibrated 4 1/2" meter... Calibrated microhm scale as well as a Bad-Goods scale... Front panel fuse... Individual sockets for all tube base types—voltages from 75 v. to 117 v. and comp. switching flexibility allow... present and future tubes to be tested regardless of location of elements on tube base... Indicates gas content and detects shorts or opens on each individual section of local, octal and miniature tubes including cold cathode, magic eye and voltage regulator tubes as well as all ballast. Manufacturer name withheld because of special price offer.

Model "C"—Sloping front counter case \$52.95
Model "P"—Handsome hand-rubbed portable case \$7.95
Built-in roll chart with either of above \$5.00 extra



\$12.95 Takes All Three BIG BARGAINS

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2. ALUMINUM GEAR BOX 18x8x7 that contains two powerful electric motors and two matched gear trains, 62 gears in all varying in size from 1/2 to 4 inch diameter. This unit is readily converted to rotate a beam antenna or any other similar use. \$5.00

3. HOME WORKSHOP AT BARGAIN PRICE. Accurate and precise 2 speed grinding hobby lathe, the essential machine for the home workshop. Sturdy enough for light production work or factory standby service. Supplied with 56" of belting for connecting to any available electric motor or power take-off. Also included in this unbelievable offer are such accessories as a 1/2" drill chuck with specially hardened tool steel jaws, a 4" electric furnace high speed grinding wheel, a cotton buffing wheel and a large supply of buffing compound, and a 4" steel wire scratch brush. Your cost \$6.00. Sole export agent. Distributor inquiries invited.

\$4.75 TAKES BARGAIN "O"

(All three items below)

AUDIO AMPLIFIER—Brand new, Push-Pull stage triode amplifiers having 2 of the valuable and scarce ounce type audio transformers that sell for over \$10.00 each. Neat aluminum case, fully enclosed. (Largest dimension 6 inches). Perfect for intercom system, phono amplifier, mike amplifier or signal tracer amplifier for testing radio sets. A sensational bargain at only \$3.40 each

REMOTE CONTROL UNIT—Aluminum case 4 x 3 x 2 containing 2 potentiometers, triode pole switch, 4 knobs, phone jack, gear mechanism and revolution counter. Including 8 prong JAN connector to fit box—\$1.39.



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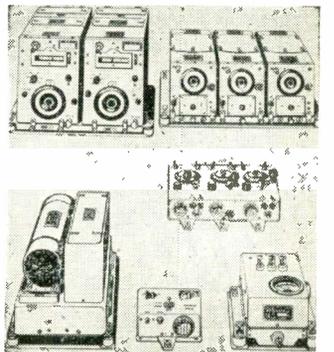
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274N COMMAND SET

(Made by Western Electric)

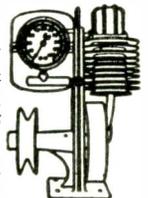
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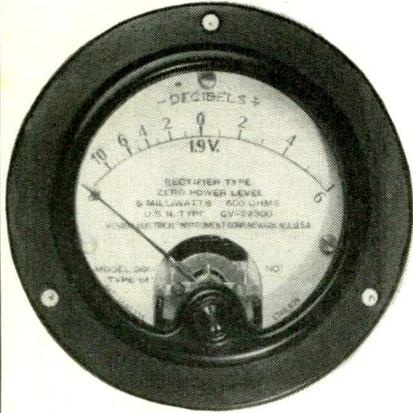
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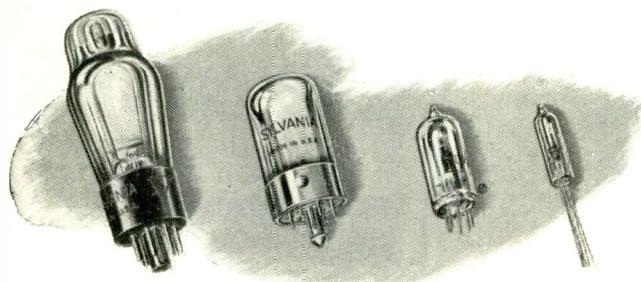
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SYLVANIA RADIO AND TELEVISION TUBES



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Even the small parts that go into the manufacture of Sylvania radio tubes—from the famous Lock-In to the tiny subminiatures—are made by Sylvania in its own plants. Every step of the way is quality controlled. That's just one good reason why Sylvania tubes are so well known for quality and performance.

Sylvania research has brought about many important advances in radio receiving tubes, making it possible to offer you a *complete line* that is unsurpassed in quality.



TRANSMITTING TUBES

To augment its comprehensive line of top quality receiving tubes, Sylvania has marketed a line of 20 high quality transmitting tubes.

Typical of this comprehensive line is the 3D24 (above), a beam power tetrode amplifier and oscillator with 45 watt anode dissipation. Measuring just a little over four inches, the 3D24 is rated to supply as much as 140 watts output in continuous commercial service. This compactness, coupled with dependable performance, makes it ideal for police, fire department, forestry, marine, amateur and aircraft applications.



CATHODE RAY TUBES

The complete line of outstanding cathode ray tubes offered by Sylvania consists of 16 electrostatic types ranging in size from two- and three-inch diameters to five-, seven-, and ten-inch screens. In addition, the line includes magnetic type tubes in ten-, twelve- and sixteen-inch size screens.

Made for a variety of uses, from oscilloscope screens to high performance direct view television receivers, these tubes are manufactured under the very highest of standards, for excellent brightness and definition.

Detailed information on this entire cathode ray tube line, as well as on radio receiving tubes and transmitting tubes, can be obtained promptly from the address below.

SYLVANIA ELECTRIC

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SYLVANIA TEST EQUIPMENT



OSCILLOSCOPES



Type 132
(Seven-inch Screen)

These modern Sylvania Oscilloscopes are ac-operated general purpose cathode ray instruments used to study waveforms, measure voltages and currents in various types of circuits. Excellent for television servicing, audio circuit analysis, transmitter monitoring, hum analysis, frequency comparisons.

Type 131 utilizes a type 3AP1 cathode ray tube having electrostatic deflection and focus. With horizontal and vertical amplifiers 0.5 volts rms gives 1-inch peak-to-peak deflection. Sweep generator variable from 15 to 40,000 cycles.

Two unique push-pull amplifiers give extra sensitive patterns on the 7JP1 screen of the Sylvania Type 132 Oscilloscope. One inch peak-to-peak vertical deflection is obtained with .21 volts rms input. Z-axis input provided for intensity modulation applications. An excellent instrument for television servicing. Type 132 price: \$144.50; Type 131: \$89.50.



Type 131
(Three-inch Screen)

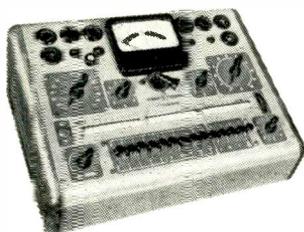
SIGNAL GENERATOR



To meet FM and AM service requirements, here's Sylvania's new Signal Generator Type 216! With it you can align the rf and if sections of all FM and AM receivers, adjust all types of FM and TV discriminators, and make overall receiver checks. Its high level output and

accurate calibration make it a valuable instrument for other service and laboratory uses requiring a high quality rf signal source. Beautifully styled! Dimensions: 11-3/8" x 17-1/16" x 10-5/8". Weight: 24-1/2 lbs. Priced at \$189.50.

TUBE TESTERS



Sylvania Tube Testers, made in both counter and portable types, are designed to handle standard, Lock-In and miniature types including 9-pin tubes. 4 1/2" meter dial—easy to read. Legible dial markings, fingertip controls for easy setting. Shorts

test is conducted at voltage low enough to prevent tube damage or faulty indications—high enough for full brilliance on shorts indicator. Provision for noise test. All tubes are tested under dynamic conditions, combining transconductance and emission tests. Either model: \$79.50.

MODULATION METER



You can now monitor modulation percentage and speech quality with Modulation Meter Type X-7018. Compact and economical. Helps you keep transmission efficient and at the same time comply with FCC overmodulation regulations. Also indicates carrier shift. Price: \$29.50.

AUDIO OSCILLATOR

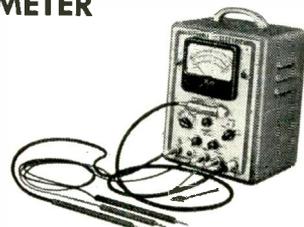
This Audio Oscillator Type 145 is one of the most versatile and convenient test instruments made. Its powerful signal of known frequency provides an accurate pure tone source for checking radio receivers. It is ideal for response and distortion testing of audio amplifiers, public address systems, juke boxes, wired music installations and individual speaker cones. An exceptionally valuable test instrument. Price: \$129.50.



POLYMER

The Sylvania Polymer Type 221 is a multi-purpose vacuum tube voltmeter that greatly simplifies the job of testing radio and television equipment. Tests dc and ac voltages to 1000 volts; direct current to 10 amperes; resistance to 1000 megohms. Frequency response essentially flat to 300 mc.

This instrument utilizes authentic vacuum tube circuits for measuring ac, rf, dc volts and resistance. Price: \$99.50.



VOLTAGE MULTIPLIER PROBE

Add this new DC Voltage Multiplier Type 222 to the Sylvania Polymer and the 1,000 vdc range setting will read 10,000 vdc full scale — you have a Kilovoltmeter for testing TV circuits and other high voltage applications. Price: \$9.95.



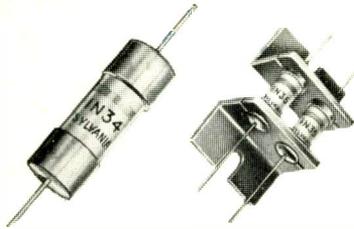
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CRYSTAL DIODES DUO-DIODES VARISTORS



GERMANIUM DIODES AND DUO-DIODES



Sylvania Germanium Diodes are long-life, lightweight, heaterless components that have found hundreds of applications in clippers, limiters, discriminators and other circuits calling for low power rectification at frequencies up to several hundred megacycles. They have low shunt capacity and no contact potential. Convenient pigtail leads eliminate the need for mounting hardware.

Sylvania Duo-Diodes consist of two matched diodes mounted in a single unit.

Type	Cont. Reverse Working Voltage	Peak Back Voltage *	Fwd. Curr. at +1v (ma min.)	Av. Anode Current (ma max.)	Recurrent Peak Anode Curr. (ma max.)	Reverse Current (μa max.)
1N34	60v max.	75v min.	5.0	40	150	50 @ -10v 800 @ -50v
1N35**	50v max.	75v min.	7.5	22.5	60	10 @ -10v
1N38	100v max.	120v min.	3.0	40	150	6 @ -3v 625 @ -100v
1N39	200v max.	225v min.	3.0	40	150	200 @ -100v 800 @ -200v
1N54	35v max.	75v min.	5.0	40	150	10 @ -10v
1N55	150v max.	170v min.	3.0	40	150	300 @ -100v 800 @ -150v
1N56	40v max.	50v min.	15.0	50	200	300 @ -30v
1N57	80v max.	90v min.	4.0	40	150	500 @ -75v
1N58	100v max.	115v min.	4.0	40	150	800 @ -100v

*For zero dynamic resistance.

**Duo-diode consisting of two units matched in the forward direction at +1v so that the current flowing through the higher resistance unit is within 10% of that in the lower resistance unit. Ratings shown for each diode.

GERMANIUM VARISTORS

Sylvania Varistors consist of 4 specially selected and matched germanium diodes whose resistances are balanced within $\pm 2.5\%$ in the forward direction at 1.5 volts. For additional balance, the forward resistances of each pair of varistor crystals are matched within 3 ohms.

1N40 and 1N42 are plug-in type; 1N41 is lug type.

Ratings shown in table are for each diode

Type	Cont. Reverse Working Voltage	Peak Back Voltage *	Fwd. Curr. at +1.5v (ma max.)	Av. Anode Current (ma max.)	Rec. Peak Anode Curr. (ma max.)	Reverse Current (μa max.)
1N40	25v max.	75v min.	12.75	22.5	60	50 @ -10v
1N41	25v max.	75v min.	12.75	22.5	60	50 @ -10v
1N42	50v max.	120v min.	12.75	22.5	60	6 @ -3v 625 @ -100v

*For zero dynamic resistance.

SILICON DIODES

Sylvania Silicon Diodes 1N21, 1N21A, 1N21B, 1N21C, 1N23, 1N23A, 1N23B, 1N25, 1N26 and 1N53 are used chiefly as first detectors in radar and other microwave superheterodyne receivers.

Type 1N22 is designed for use in microwave test probes, power indicators and other instruments.

Types 1N31 and 1N32 are used as high level video detectors.



Type	Design Freq. (mc)	Max. Conv. Loss (db)	Max. Output Noise Ratio	Burnout Test	I. F. Imp. (ohms)
1N21	3,000	8.5	4.0	Bs=0.3 erg	200-800
1N21A	3,000	7.5	3.0	Bs=0.3 erg	200-800
1N21B	3,000	6.5	2.0	Bs=2.0 erg	200-800
1N21C	3,000	5.5	2.0	Bs=2.0 erg	200-800
1N22	9,000	—	—	Bs=0.3 erg	200-800
1N23	10,000	10.0	3.0	Bs=0.3 erg	150-600
1N23A	10,000	8.0	2.7	Bs=1.0 erg	150-600
1N23B	10,000	6.5	2.7	Bs=0.3 erg	150-600
1N25	1,000	8.0	2.5	Bp=6.5 watts	100-400
1N26	25,000	8.5	2.5	Bs=0.1 erg	300-600
1N29		Obsolete—use 1N21B			
1N53	35,000	8.5	2.5	Bs=0.15 erg	400-800

Type	Min. Fig. of Merit	Video Imp. (ohms)	Burnout Test	Carrier Freq. (mc)	Video Freq.
1N27		Obsolete—use 1N32			
1N30		Obsolete—use 1N31			
1N31	55	6,000-23,000	Bp=0.02 watt	10,000	500 cps—5 mc
1N32	100	5,000-20,000	Bp=0.36 watt	3,000	500 cps—5 mc

Bs=total energy in simulated spike of pulse from TR box in radar service.
Bp=peak power pulse under pulsed conditions.

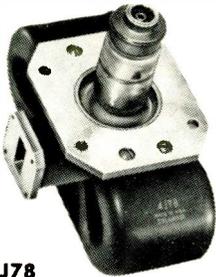
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MICROWAVE COMPONENTS



MAGNETRONS



4J78

The Sylvania family of Magnetrons operates in the shf band at peak power levels ranging from 7 to 300 kw and at average power ranging from 14 to 300 watts. 2J42 and 2J42A are of the vane type; 3J31, rising sun; 4J50, 4J52 and 4J78, hole and slot. All except 3J31 are supplied with magnet. Write for bulletin EC-37.

Type	Frequency Range (mc)	Pulsed Power Out (kw)	Avg. Power Out (watts)
2J42	9345-9405	7-14	14
2J42A	9345-9405	18-35	18
3J31	23,744-24,224	30-54	15-27
4J50	9345-9405	300	200
4J52	9345-9405	65-120	65
4J78	9003-9168	300	200



2C36

ROCKET TUBES

Sylvania Rocket Tubes are planar-electrode disc-seal triodes for use as oscillators and amplifiers at frequencies up to 3300 mc. Design permits broad band operation. Tuning is simpler and covers a greater continuous range than that of many other types of uhf tubes.

2C36 is a pulse-modulated oscillator for frequencies up to 1200 mc.

2C37 is designed for use as a c.w. oscillator up to 3300 mc. Plate disc is flat, grid disc folded.

5764 is a pulse-modulated oscillator for use up to 3300 mc.

5765 is for use as a c.w. oscillator without external feedback in the range from 900 to 3000 mc.

5766 is a c.w. oscillator for use up to 3300 mc. Plate disc is folded, grid disc flat.

5767 is a c.w. oscillator for use up to 3300 mc. Both discs are folded.

5768 is intended for use as a c.w. amplifier-multiplier up to 3000 mc.

For complete information, write for bulletin ES-4810.



4C35

HYDROGEN THYRATRONS

Sylvania Hydrogen Thyratrons are designed for pulsing service at high repetition frequencies, high peak currents and high voltages. An outstanding feature is very short de-

ionization time, which permits an unusually high switching rate.

For information on ratings and operating characteristics, write for Data Sheets EC-24 and EC-25.

TR's and ATR's

Sylvania TR and ATR Tubes are used chiefly as automatic electronic transmit-receive switches in radar equipment. Major characteristics of some of the more commonly used types are shown in table. For full data on complete line, write for bulletin ES-21C.



1B63A

Type	Frequency Range (mc)	Insertion Loss (db)	Max. Recovery Time (μ sec. at -3 db)
1B24	8490-9600	0.85-1.50	4
1B63	8565-9487 (1)	0.8	4
1B63A	8490-9578 (2) 8565-9487 (3)	0.8 max.	4

Type	Frequency Range (mc)	Transmitter Peak Power (kw min.)	Tuning Susceptance (mhos)	Arc Loss (db. max.)
1B35	9000-9600	5	-.06 to +.06	0.8

(1) 1.6 VSWR. (2) 1.9 VSWR. (3) 1.4 VSWR.

KLYSTRONS

Sylvania Types 6BL6 and 6BM6 are intended for use as c.w. oscillators. They are of the separate cavity type, with oscillation frequency depending chiefly on external tuning. SD-1103 and SD-1104 are suitable for either c.w. or pulsed operation. Data sheets are available.



6BL6

Type	Mode	Frequency Range (mc)
6BL6	1 $\frac{3}{4}$	1600-4000
	2 $\frac{3}{4}$	2100-4500
	3 $\frac{3}{4}$	4000-5500
6BM6	1 $\frac{3}{4}$	550-2300
	2 $\frac{3}{4}$	1100-3000
SD-1103	1 $\frac{3}{4}$	1600-4000
	2 $\frac{3}{4}$	2100-4500
	3 $\frac{3}{4}$	4000-5500
SD-1104	1 $\frac{3}{4}$	550-2300
	2 $\frac{3}{4}$	1100-3000



5C22

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INDUSTRIAL ELECTRONIC TUBES



FLASH TUBES



R4340

Sylvania Flash Tubes, used with suitable equipment, provide blue-white flashes of intense brilliance and extremely short duration. They find extensive use in flash photography, and may also be used in beacons, obstruction markers and signaling devices.

Type R4330 has a maximum rate of 6 flashes a minute, with a peak light output of 12,000,000 lumens and an integrated output of 3,500 lumen-sec. per flash.

Flashing rate of the R4340 is 4 per minute maximum, peak light output 12,000,000 lumens, integrated output 18,000 lumen-sec. per flash.

STROBOTRONS & TRIGGER TUBES

Sylvania Strobotrons provide a means of "freezing" the motion of rotating or reciprocating machinery. Type 1D21/SN4 produces neon-red flashes at rates up to 240 per second. SA-309 and R4350 produce bluish-white light pulses, and are ideal for application where true-color viewing is essential. Maximum flashing rate of the R4350 is 15 per second; of the SA-309, 100 per second.

Triggertube Type 0A5 provides a convenient means of triggering any of the above Strobotrons from very low current sources. Type 0A5 may also be used for other electronic relay and for regular Strobotron purposes.



1D21/SN4

GLOW MODULATOR TUBES

Light output of Sylvania Glow Modulator Tubes varies in an essentially linear manner with the current passing through the tubes. Tubes are of the crater type, providing high ionization density.



R1130B

	R1130B	R1131A
Operating Voltage, max.	150	135
Operating current, ma	5.35	3.25
Modulating Freq. Range, cps	15-15,000	15-15,000
Useful Light Range, Angstroms	3,500-6,500	3,500-6,500
Crater Diameter, inches	.056	.093

GEIGER-MUELLER TUBES



GG-304

These tubes are used for detecting and measuring radiations from radioactive materials in scientific, medical or industrial nuclear physics applications.

Both GG-304 and GG-306 are gamma-ray counters. GG-304 is especially useful for radiological safety and cosmic ray studies. GG-306 is a high-efficiency search head. Both are of the non-self-quench type employing an external quenching circuit.

GAS PRESSURE MEASURING TUBES

Sylvania Pirani Tube R1111 is used for measuring gas pressures in vacuum systems. Useful range of the tube is from 1 to 1,000 microns of Hg.

Tube operates on 1.5 volts. Cold resistance is 6.6 ohms. Hot resistance in an evacuated tube at 100 ma current is from 15.5 to 17.0 ohms.

Also available is Type R1111M, which consists of a pair of matched tubes Type R1111.



R1111

MISCELLANEOUS TUBES

SS501 Gas Discharge Tube

This tube is of the externally triggered, cold cathode type, for use as an electronic switch capable of handling high instantaneous currents in high voltage circuits.

SD-759A Ramberg Accelerometer

The Accelerometer is an electronic tube useful in measuring linear acceleration. Its operating range is from 1 to 50 g's. Operates at plate voltage of 10 volts per plate.

X-6090 Ionization Tube

The Sylvania X-6090 Ionization Tube has an ozone output of approximately 5 mg per hour under typical operating conditions. Operating voltage is approximately 3,500 volts ac.

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MATERIALS SECTION



On the following pages are tabulated the important electrical, mechanical and other significant characteristics of most raw materials used by the electronic industry, for convenient use by designers of component parts, housings and complete equipment. The intent is to speed up initial choice of the most appropriate material for a particular application; this can in most cases be done simply by determining which characteristics are critical and then glancing down the columns for those characteristics to spot the most favorable values. Some of the tables are entirely new, while others are revisions of similar data in the June 1948 Mid-Month Electronics Buyers' Guide.

Typical trade names are listed, and are identified in another section of the directory. Either average values or ranges of values are given, since actual values vary widely with manufacturing methods and chemical compositions. Specific values of a particular material should be obtained from its manufacturer before final design.

The Editors

CONTENTS OF MATERIALS SECTION

ACOUSTIC MATERIALS	perforated wood fiber, mineral wool, cork and other tiles used for noise reduction	M-2
COATINGS FOR CONDUCTIVITY	fired-on and air-setting silver, platinum and graphite paints for printed circuits	M-4
COATINGS FOR PROTECTION AND DECORATION	metallic, chemical, organic and inorganic	M-6
CERAMICS	electrical porcelains, steatites, titanates, alumina, corderite and forsterite	M-10
FLUORESCENT COMPOUNDS	phosphors for screens of television, radar and other cathode-ray tubes	M-11
GASES	inorganic gases for tubes and organic insulating gases for transmission lines	M-12
GLASS	compositions for insulators, tubes and metal-glass seals in electronic equipment	M-13
INSULATION FOR WIRES	extrudable and tape-applied plastics used for insulation or jacket on wires	M-13
INSULATING SHEETS	laminated thermosetting plastic, hard rubber, fiber and glass-bonded mica sheets	M-14
MAGNETIC CORE MATERIALS	for laminated, solid and powdered metal cores and magnetic shields	M-16
METALS FOR CONTACTS	bronzes, alloys of tungsten, silver and gold, and other alloys of copper	M-18
METALS FOR TUBES	structural, conducting, emitting and gettering metals used in tube construction	M-19
METALS FOR WIRES	pure metals and alloys for conductors, heating elements and wire-wound resistors	M-20
PERMANENT MAGNET MATERIALS	carbon, tungsten, chrome and cobalt steels, alnicos and newer alloys	M-22
PLASTICS	molding and casting thermoplastic and thermosetting materials with and without fillers	M-24
WAXES	vegetable, mineral and petroleum waxes, hydrogenated castor oil, beeswax and DeKhotinsky cement	M-28
WAX COMPOUNDS	microcrystalline petroleum wax and wax-resin bases for impregnating and dip coating	M-30
POTTING COMPOUNDS	asphalt bases with and without filler, for moisture-proofing iron-core components	M-30
SEALING COMPOUNDS	synthetic resin, natural resin, polystyrene and pitch bases for terminal seals	M-30
RADIOACTIVE MATERIALS	radium, uranium and radioactive isotopes having industrial applications	M-32

ACOUSTIC MATERIALS

Material	Thickness in.	Mounting	Sound-Absorption Coefficients						Noise Red. Coef. (average)	Wt. lb per sq ft
			128 cps	256 cps	512 cps	1,024 cps	2,048 cps	4,096 cps		
Acousteel, enameled metal pan perforated 1,105 holes per sq ft, backed with mineral wool	1 1/4	3	.25	.52	.99	.99	.81	.60	.85	1.08
Acousticolotex, CS-1, perforated 441 holes per sq ft, painted before perforating	1/2	1	.09	.15	.61	.77	.70	.64	.55	.66
	1/2	2	.14	.46	.52	.71	.72	.64	.60	.66
Acousticolotex, C-2, perforated 441 holes per sq ft, painted before perforating	5/8	1	.09	.26	.69	.86	.67	.62	.60	.83
	5/8	2	.12	.51	.65	.73	.66	.58	.65	.83
Acousticolotex, C-4, perforated 441 holes per sq ft, painted before perforating	1 1/4	1	.14	.42	.99	.74	.60	.50	.70	1.34
	1 1/4	2	.25	.58	.99	.75	.58	.50	.75	1.34
	1 1/4	7	.53	.58	.93	.70	.55	.48	.70	1.58
Acousticolotex, C-6, perforated 441 holes per sq ft, painted after perforating	1 1/4	1	.15	.34	.99	.94	.61	.61	.70	1.51
	1 1/4	2	.27	.57	.91	.91	.67	.58	.75	1.51
Acousticolotex, C-7, perforated 441 holes per sq ft, painted before perforating	1	7	.41	.48	.68	.79	.75	.55	.70	1.40
Acousticolotex, C-8, perforated 441 holes per sq ft, painted after perforating	1	2	.25	.49	.69	.78	.61	.48	.65	1.54
Acousticolotex, C-9, perforated 441 holes per sq ft, painted before perforating	3/4	1	.11	.23	.80	.93	.58	.50	.65	.96
	3/4	2	.12	.45	.79	.89	.61	.60	.70	.96
Acousticolotex, M-1, perforated 676 holes per sq ft, painted after perforating	5/8	1	.07	.21	.64	.86	.93	.83	.65	1.31
	5/8	2	.12	.48	.50	.79	.93	.82	.70	1.31
Acousticolotex, M-2, perforated 676 holes per sq ft, painted after perforating	1	1	.08	.27	.92	.95	.80	.71	.75	1.81
	1	7	.40	.44	.79	.99	.77	.71	.75	2.23
Acoustifibre, perforated 441 holes per sq ft, painted	5/8	1	.10	.16	.62	.97	.81	.73	.65	.56
	5/8	2	.13	.38	.72	.89	.82	.66	.70	.56
Acoustimetal enameled metal pan perforated 2,016 holes per sq ft, backed with mineral wool	1 1/4	3	.26	.47	.97	.99	.88	.88	.85	.91
Acoustone F, fissured, painted	11/16	1	.08	.25	.76	.84	.78	.73	.65	1.35
	13/16	1	.12	.31	.85	.88	.75	.75	.70	1.53
	13/16	2	.23	.50	.72	.77	.74	.69	.70	1.54
	13/16	7	.38	.64	.62	.68	.76	.75	.70	1.54
Airacoustic, unpainted	1/2	6	.13	.41	.40	.72	.78	.72	.60	.80
	1	6	.29	.51	.70	.82	.79	.80	.70	1.50
Arrestone, enameled metal pan perforated 484 holes per sq ft, backed with mineral wool	1 1/4	3	.25	.56	.99	.99	.77	.60	.85	1.20
Auditone, slotted, painted	3/4	1	.09	.28	.68	.80	.79	.81	.65	.91
	3/4	2	.13	.49	.60	.72	.80	.81	.65	.91
	1	1	.13	.33	.79	.85	.85	.72	.70	1.15
	1	2	.28	.48	.64	.86	.77	.75	.70	1.23
Corkoustic, cork tile, fissured surface, painted, moisture-resistant, beveled or square edges	1 1/2	1	.06	.16	.73	.69	.56	.89	.55	.77
	1 1/2	2	.18	.41	.70	.51	.58	.65	.55	.77
Cushiontone A, wood fiber tile, perforated 484 holes per sq ft, painted, beveled edges	1/2	1	.05	.18	.56	.76	.77	.73	.55	.79
	1/2	2	.07	.47	.55	.70	.77	.74	.60	.79
	5/8	1	.09	.25	.60	.80	.78	.73	.60	.92
	5/8	2	.13	.45	.55	.73	.79	.75	.65	.92
	3/4	1	.10	.28	.66	.91	.82	.69	.65	1.05
	3/4	2	.14	.51	.59	.87	.81	.70	.70	1.05
	7/8	1	.09	.28	.74	.98	.78	.70	.70	1.17
7/8	2	.17	.51	.73	.95	.75	.72	.75	1.17	
Cushiontone F, incombustible mineral wool tile, perforated 484 holes per sq ft, painted, beveled	3/4	1	.05	.14	.85	.90	.78	.78	.60	1.13
Econacoustic, painted	1/2	1	.05	.17	.62	.83	.77	.74	.60	.40
	1/2	2	.09	.32	.75	.78	.74	.78	.65	.40
	1	1	.16	.41	.80	.78	.73	.77	.70	.77
Fiberglas, felted mineral tile, fiber surface, painted	3/4	1	.12	.32	.75	.83	.70	.63	.65	.67
	3/4	2	.08	.44	.79	.83	.74	.65	.70	.67
	3/4	9	.47	.65	.75	.84	.83	.81	.75	.67
	1	1	.11	.31	.79	.94	.84	.79	.70	.94
	1	2	.17	.40	.83	.96	.85	.83	.75	.94
1	9	.51	.52	.75	.87	.89	.91	.75	.90	

Material	Thickness in.	Mounting	Sound-Absorption Coefficients						Noise Red. Coef. (aver- age)	Wt. lb per sq ft
			128 cps	256 cps	512 cps	1,024 cps	2,048 cps	4,096 cps		
Fibracoustic, painted	1	1	.18	.42	.81	.75	.71	.72	.65	.54
	1	2	.25	.62	.72	.72	.71	.76	.70	.54
Fibre-tone, perforated 484 holes per sq ft, painted	1/2	1	.08	.28	.58	.71	.68	.65	.55	.75
	13/16	1	.14	.37	.69	.80	.76	.73	.65	1.17
	13/16	2	.18	.54	.72	.74	.71	.72	.70	1.17
Muffletone, integrally colored, standard	1	1	.12	.30	.74	.76	.71	.67	.65	1.80
Muffletone, integrally colored, fissured	1	1	.09	.29	.83	.97	.77	.71	.70	1.92
Sanacoustic, enameled metal pan perforated 4,608 holes per sq ft, backed with mineral wool	1 1/4	3	.25	.58	.96	.97	.85	.72	.85	1.28
Simpson acoustical tile, perforated 484 holes per sq ft, painted, beveled	1/2	1	.09	.16	.67	.84	.76	.72	.60	.60
	1/2	2	.07	.37	.71	.75	.77	.69	.65	.60
	5/8	1	.06	.18	.74	.90	.78	.70	.65	.80
	5/8	2	.14	.50	.70	.83	.78	.71	.70	.80
	1	1	.12	.31	.98	.94	.70	.64	.75	1.10
Sound Isolation Blanket, muslin-covered, unpainted	1	4	.22	.46	.86	.98	.88	.77	.80	1.20
	2	4	.39	.57	.91	.91	.80	.78	.80	2.00
Transite Acoustical Panels, rock wool blanket, perforated 600 holes per sq ft, unpainted	1	5	.17	.49	.94	.90	.70	.43	.75	1.20
	2	8	.29	.57	.94	.93	.70	.48	.80	2.00
Transite Acoustical Unit, pad, perforated 576 holes per sq ft, painted	1	2	.28	.55	.83	.91	.76	.67	.75	2.20
Travertone, mineral wool tile, fissured surface, incombustible, painted	3/4	1	.12	.27	.72	.79	.76	.77	.65	1.13

MOUNTING METHODS:

- (1) Cemented to plaster board
- (2) Nailed to 1 x 2-inch wood furring 12 inches on center
- (3) Attached to metal supports applied to 1 x 2-inch wood furring
- (4) Laid directly on laboratory floor

- (5) Nailed to 1 x 3-inch wood furring 24 inches on center and filled in between furring with 1-inch mineral wool
- (6) Laid on 24-gage sheet iron nailed to 1 x 2-inch wood furring 24 inches on center
- (7) Attached to special metal supports mounted on 2 x 2-inch wood furring

- (8) Nailed to 2 x 2-inch wood furring 24 inches on center with 2-inch mineral wool between furring
- (9) Mechanically mounted to metal furring strips 24 inches on center 10 1/2 inches from boundary surface of sound chamber

Absorption Coefficients of General Building Materials, Seats and Audiences

Material	Coefficients		
	128 cps	512 cps	2,048 cps
Audience, seated, sabins per person	1.0-2.0	3.0-4.3	3.5-6.0
Brick wall, painted	.012	.017	.023
Brick wall, unpainted	.024	.03	.049
Carpet, unlined	.09	.20	.27
Carpet, felt lined	.11	.37	.27
Chairs, metal or wood	.15	.17	.20
Fabrics, hung straight, light, 10 oz per sq yd	.04	.11	.30
Fabrics, hung straight, medium, 14 oz per sq yd	.06	.13	.40
Fabrics, heavy, draped, 18 oz per sq yd	.10	.50	.82
Floors, concrete or terrazzo	.01	.015	.02
Floors, wood	.05	.03	.03
Floors, linoleum, asphalt, rubber or cork tile on concrete	...	.03-.08	...
Glass	.035	.027	.02
Marble or glazed tile	.01	.01	.015
Openings, stage, depending on furnishings	...	.25-.75	...
Openings, deep balcony, upholstered seats	...	.50-1.00	...
Openings, grills, ventilating	...	.15-.50	...
Pew cushions	.75-1.1	1.45-1.90	1.4-1.7
Plaster, gypsum or lime, smooth finish on tile or brick	.013	.025	.04
Plaster on lath	.02	.03	.04
Plaster, gypsum or lime, rough finish on lath	.039	.06	.054
Theatre and auditorium chairs, wood veneer seat and back	...	.25	...
Theatre and auditorium chairs, upholstered in leatherette	...	1.6	...
Theatre and auditorium chairs, heavily upholstered in plush or mohair	...	2.6-3.0	...
Wood paneling	.08	.06	.06
Wood pews	...	.40	...

NOTE: Multiplying area by coeff. gives equivalent absorption in sabins. To get reverberation time *T* of room for 512-cps tone, multiply room volume *V* in cu ft by 0.05 and divide result by total absorption *a* in sabins: $T = 0.05 V/a$. (Equivalent absorption in sabins is number of square feet of ideal perfectly absorbing surface that will produce same effect on reverberation time as does the surface in question).

COATINGS FOR CONDUCTIVITY

Application Process	Conductive Material	Base Material	Adherence	Surface Quality	Uniformity of Thickness %	Thickness in.	Resistance ohm-cm
Vacuum evaporation	Ni-Cr	Bakelite	Excellent	Mirrorlike	1	0.00001	0.26
	Ni-Cr	Bakelite	Excellent	Mirrorlike	1	0.00005	0.05
	Ni-Cr	Glass	Excellent	Mirrorlike	1	0.00001	0.25
	Ni-Cr	Polystyrene	Fair	Mirrorlike	1	0.00001	0.25
	Ni-Cr	Steatite	Fair	Porous	1	0.00001	0.5
	Ag	Bakelite	Fair	Mirrorlike	1	0.00001	0.12
	Ag	Glass	Fair	Mirrorlike	1	0.00001	0.11
Sprayed metal using wire gun or powder	Zn	Steatite	Good	Porous	25	0.002	0.05
	Zn	Ground Glass	Poor	Porous	25	0.002	0.05
	Zn	Bakelite	Fair	Porous	25	0.002	0.05
	Al	Glass	Good	Porous	25	0.002	0.2
	Al	Steatite	Excellent	Porous	25	0.002	0.2
	Cu	Carbon	Excellent	Smooth	25	.....	.....
Low melting point alloy flowed on (Woods metal)	Zn-Pb-I	Bakelite	Excellent	Porous	25	0.001	1.0
	Zn-Pb-I	Glass	Excellent	Porous	25	0.001	1.0
	Zn-Pb-I	Lucite	Poor	Porous	25	0.001	1.0
Silver or gold precipitation	Ag	Bakelite	Fair	Mirrorlike	10	0.0001	0.00008
	Au	Bakelite	Fair	Mirrorlike	10	0.0001	0.0003
Graphite deposition by precipitation	C	Vinylite, polystyrene or cellulose acetate	Excellent	Smooth	2.5	0.0005	200
Electrochemical deposition	Cu	Any of above coated with any metal but Al	Excellent	Smooth	5	0.002	—
	Ag		Excellent	after	5	0.002	—
	Cr		Excellent	buffing	5	0.002	—
	Ni		Excellent		5	0.002	—

Note: Excellent adherence means the coating cannot be scratched off with finger nails, lifted off by Scotch tape, or rubbed off with vigorous treatment with a pencil eraser. Poor means that it fails on all three tests. Data given here is based on information presented in National Bureau of Standards Miscellaneous Publication 192, "New Advances in Printed Circuits," issued Nov. 22, 1948 and available at 40 cents from Supt. of Documents, U. S. Government Printing Office, Washington 25, D. C.

Conductive Coating Material	Base Material	Application Method	Characteristics	Thinners
DuPont 4351 fired-on silver paint	Porcelain, steatite and titanium bodies; ceramic capacitors	Brush, dip or spray. Firing temp. 1,100-1,300 F. Firing cycle 10 min-6 hours, depending on base material and equipment	High Q; suitable for direct soldering	Butyl acetate
DuPont 4545 fired-on silver paint	Steatite; porcelain (bisque or glost)	Spray or brush. Firing temp. 1,220 F. Firing cycle 20 min-6 hours, depending on equipment and size of ceramic. A copper flash on the fired silver film, sometimes followed by a tin dip or plate before soldering, gives best results in sealing metal to ceramics	Suitable for solder seal. Square resistance of all DuPont fired-on silver paints is less than 0.01 ohm	Turpentine; toluol
DuPont 4581 fired-on silver paint	Mica	Spray or screen stencil with hand-cut Pro-film screens. Firing temp. 1,058 F; may vary with plant conditions	Q of 6,000 or more, depending on quality of mica	Pine oil; squeegee medium
DuPont 4616 fired-on silver paint	Mica	Screen stencil, using photographic screens of gelatin or polyvinyl alcohol (Pro-film screen not suitable). Other conditions same as for DuPont 4581	Same as DuPont 4581	Butyl carbitol acetate
DuPont 4666 fired-on silver paint	Quartz crystals	Spray or brush. Firing temp. 850-950 F. Firing cycle 5-20 min.	Good stability; high conductivity; suitable for direct soldering	Butyl acetate
DuPont 4731 fired-on silver paint	Low-expansion bodies; ceramic capacitors	Brush. Firing temp. 1,250-1,350 F. Firing cycle 10 min-6 hours. For dip or spray use DuPont 4756	High Q; suitable for direct soldering	Turpentine; toluol; pine oil
DuPont 4760 fired-on silver paint	Glass	Spray or brush. Firing temp.: soft or low-melting glass 1,000 F; heat-resistant glass 1,100-1,200 F	Suitable for solder seal	Turpentine; toluol; pine oil
DuPont 4810 fired-on silver paint	Mica	Screen stencil, using photographic screens of gelatin or polyvinyl alcohol (Pro-film screen not suitable). Firing temp. 850-950 F; for spray use DuPont 4933 fired at 1,058 F	Q of 6,000 or more, depending on quality of mica	Butyl carbitol acetate
DuPont 4822 fired-on silver paint	Very dense, low-expansion bodies (titanium)	Brush. Firing temp. 1,250-1,350 F. Firing cycle 10 min-6 hours, depending on base material and equipment	High Q. Suitable for direct soldering. For ceramic capacitors	Turpentine; toluol; pine oil

Conductive Coating Material	Base Material	Application Method	Characteristics	Thinners
DuPont 4837 fired-on silver paint	All types of base materials	Brush or spray. Firing temp. 750-850 F. Firing cycle 10 min-6 hours, depending on base materials and equipment	High conductivity; good bond at low bake temperatures	Turpentine; toluol; pine oil
DuPont 4989 fired-on silver paint	Steatite; porcelain (bisque or glost)	Spray or brush. Firing temp. 1,220 F. Firing cycle 20 min-6 hours, depending on equipment and size of ceramic	Particularly adaptable to mass production	Turpentine; toluol
DuPont 4990 fired-on silver paint	Glass	Squeegee. Other conditions same as for DuPont 4760	Suitable for solder seal	Turpentine; toluol; pine oil
DuPont 5026 fired-on silver paint	Ceramic capacitors; steatite; titanium	Dip or spray. Firing temp. 1,310 F. Firing cycle depends on equipment and base material	Water base medium. Suitable for direct soldering	Water
DuPont 5052 fired-on silver paint	Low-expansion bodies (steatite, titanium); ceramic capacitors	Squeegee with photographic screens of gelatin or polyvinyl alcohol (Pro-film screens not suitable). Firing temp. 1,250-1,350 F. Firing cycle 10 min-6 hours	High Q; suitable for direct soldering	Butyl carbitol acetate
Hanovia 38 fired-on silver paste	Glass	For brush painting. Firing temp. 580 C for soft glass; 600 C for lime glass; 650 C for pyrex or fused quartz. May be soft soldered directly on small area if done quickly	Also in powder form for manufacture of c-r tubes and electrical contacts, and as liquid silver for dipping, spotting, spraying, and screen printing	
Hanovia 28 fired-on silver paste	All ceramics having natural temp. of approximately 750 C	For brush painting. Fire at 750 to 800 C. Suitable for direct soft soldering	For mica and quartz use Hanovia 63. Fire mica at 540 C	
Hanovia 32A fired-on silver paste	Pyrex and ceramics	For brush painting. Fire pyrex at 680 C. ceramics at 750-800 C. Not recommended for direct soldering	Fired film can be electroplated first with copper, then tin, for soldering to large areas	
DuPont 4548 air-set silver paint	Nonporous materials; glass; Bakelite	Spray. Dry at room temperature for several hours	Fair scratch resistance; suitable electroplating base	Butyl alcohol
DuPont 4817 air-set silver paint	All types of base materials. On porous bases, apply varnish or shellac first	Brush or spray. Air dry for 10-12 hours. Apply a copper flash prior to electroplating. On glass use DuPont 4916 for spray or dip and dry 10 min at 100-160 F	Good scratch resistance; excellent for static shielding	Butyl acetate
DuPont 4922 air-set silver paint	Wood; paper; plastics	Brush or spray. Air dry for 10-12 hours. Apply copper flash prior to electroplating. For squeegee use DuPont 4929 and dry 3-4 hours at 100-160 F	High conductivity; adaptable for plating on plastics and coating radio shields	Butyl acetate
Metaplast M-13A and M-15A silver paint	General purpose; especially suited for methacrylate and cellulose plastics	M-13A for silk-screen printing; dry 3 hours at 122 F. M-15A for painting; dry 1 hour at 104 F or overnight at room temp.	50 to 60% silver by weight	Amyl acetate or cellosolve acetate
Metaplast M-13S and M-15S silver paint	Styrene and vinyl chloride plastics	M-13S for silk-screen printing; dry 3 hours at 122 F. M-15S for painting; dry 1 hour at 104 F or overnight at room temp.	50 to 60% silver by weight	Cellosolve or butyl cellosolve
Metaplast M-18A silver paint	General purpose	Spraying; dry 1 hour at 104 F or overnight at room temp. Especially suited for methacrylate and cellulose plastics	Approx. 35% silver by weight	Xylol or butyl acetate
Metaplast M-18S silver paint	Styrene and vinyl chloride plastics	Spraying; dry 1 hour at 104 F or overnight at room temp.	Approx. 35% silver by weight	Methyl cellosolve
Hanovia 6 fired-on platinum alloy paste	Ceramics; hermetic sealing of ceramic boxes for crystals	Thin and apply by brush. On unglazed ceramics, fire at 750 C. On glazed ceramics use Hanovia 13; on glass, pyrex and fused quartz use 13A fired at 650 C; both can be tinned and soldered directly	Fired film requires copper plating before tinning and solder-joining	Turpentine
Hanovia 05 liquid bright platinum	Porcelain, glass and other ceramics	Apply with camel's-hair brush or by spraying; dries enough for handling in hour at room temp. Fire at 600 C for glass, 650 C for pyrex and 750-800 C for ceramics	Gives high-polish mirror film having good conductivity. Good adherence	Volatile oils
Aquadag colloidal graphite solution	Any base material	Conductive coating; minimizes secondary emission and photoelectric effects. Opaque matte surface excludes external light and discourages reflection of light. Used for second anodes of c-r tubes, external shields directly on glass tubes, resistor elements and cements		Distilled water
Conductalute graphite-base paint	Any base material	Apply by stenciling or silk screen process. Harden by air-drying or baking	Conducts electricity; resists most acids, solvents, oil and heat. Can be silver plated in cyanide bath	

COATINGS FOR PROTECTION

Base Material	Coating	Remarks
Aluminum	Sat-N-Dip	Nonelectric process for producing smooth, uniform satin finish on wrought and extruded aluminum. Process obliterates minor surface scratches, discoloration, dirt, oil, lettering and oxides and develops passive surface forming excellent base for paint primers. Heliarc welds can be made without spitting or burning
Aluminum and its alloys	Alodizing	Nonelectric brush, spray, dip, tumbling barrel or flow process for producing a smooth tough coating ranging from iridescent blue-green to greenish yellow, suitable for final finish or as base for paint. Excellent corrosion resistance
	Alrok	Nonelectric dip oxidizing process giving yellow to green protective and decorative coating, suitable for paint base. Film is nonconductive. Inferior to anodizing in abrasion and corrosion resistance, but inexpensive and applicable to assemblies having nonaluminum materials
	Alumatreet	Nonelectric immersion process for removing corrosion and forming a ductile, tightly adherent, dull matte-type corrosion-resistant phosphate coating. Excellent base for organic finishes
	Alumilite Process	Anodic oxidation in sulfuric acid solution, giving hard, abrasion and corrosion-resistant coating that is transparent when sealed with boiling water, and an attractive yellow with chromate sealers. Can be dyed any color. Normal coating is about 0.0004 inch. High dielectric strength. Excellent paint adhesion
	Alumon	Nonelectric process of depositing firmly adherent zinc-copper base for subsequent electro-deposition of Cd, Cu, Ni, Zn and Ag directly. Cr, Au and Sn require primary coats of Ni, Cu or Cd. Unlimited throwing power. Can produce bright plating requiring no buffing
	Alumox	Simple immersion in heated solution produces hard, thin, corrosion-inhibiting coating varying from iridescent gray to deep greenish-gray. Relatively low abrasion resistance. Excellent base for paint
	Alzak	Electrolytic process giving mirrorlike highly reflective and corrosion-resistant surface, with reflectivities of 85% for visible and 90% for infrared. Involves electrolytic polishing and brightening, followed by anodizing in sulfuric acid. Diffused surface obtained by chemical etching instead of polishing
	Anodizing, chromic acid	Anodic oxidation in chromic acid solution. Applicable to riveted and welded parts. Gives negligibly thick, smooth, clear-gray coating that can be colored with water-soluble dyes. Easily scratched; should be protected with organic finish. Coating has high dielectric value, hence not suitable where conductivity is required. Highly corrosion-resistant
	Anodizing, phosphoric acid	Electrochemical anodizing in phosphoric acid electrolyte, giving coating that is ready to be plated directly with nickel and copper. Recommended for parts having relatively regular contours and small surface areas. Not suitable for pure aluminum, Al-Mg castings or die-casting alloys. Coating has high electrical resistance
Bonderite	Nonelectric spray or immersion process giving nonconducting dull gray to black phosphate coating having excellent paint bonding characteristics. Uses Bonderite 170 solution	
	Zincate	Nonelectrolytic immersion in sodium zincate, producing an extremely thin adherent zinc coating suitable for subsequent electrodeposition. Does not interpose electrically resistant layer and hence is suitable for applying silver coating to aluminum. Copper strike is usually applied before direct plating. Is self-arresting hence does not form objectionable rough deposits
Copper	Glass	Continuous coating of glass produced by dipping, spraying or dusting wire or any prepared metal shape with powdered glass, then heating in furnace at about 850 C to melt powder
Copper and copper alloys	Bright acid dip	Parts are brightened by immersion in nitric or sulfuric acid solution. Clear lacquer is applied by brushing, spraying or dipping to prevent tarnish. Electrostatic equipment reduces lacquer consumption in automatic machine spraying, giving excellent finish at low cost
	Gold plate	Used on microwave components to obtain high-conductivity surface coating. Plating solution is sodium gold cyanide, sodium cyanide and sodium carbonate. Sometimes flashed with rhodium to improve corrosion resistance
Magnesium alloy	Dichromate treatment	Corrosion-preventative dichromate dip giving yellow color
Metals and nonmetals	Sprayed metal	Use of special spray gun that melts and atomizes desired protective metal in wire form for spraying on practically any desired surface. Roughening, as by sandblasting, is generally required to get good adhesion of deposited metal. Used for producing conductive coatings on wood, plastics, carbon and other nonmetallic materials, for repairing damaged electroplated coatings on metals and for building up metal surfaces

AND DECORATION

Base Material	Coating	Remarks
Metals and nonmetals (Continued)	Varnish	Clear solution of drying oil and natural or synthetic resin. Drying takes place either by oxidation of oils, evaporation of solvent, or polymerization of resin and oil. Classified as air drying or baking, depending on method of drying. Used chiefly for protection of fabric, paper, wood and other fibrous insulation against mechanical damage and moisture, and for improving insulating properties, increasing heat transfer, providing a surface finish and bonding layers of laminated materials. Six major types of insulating varnishes are: (1) Clear Baking Varnish, used for armatures, field coils, transformers and instruments; (2) Black Baking Varnish, similarly used when greater resistance to moisture, acids and alkalis is required along with higher dielectric strength; (3) Clear or Black Air Drying Varnish, for applications where baking is not feasible; (4) Clear or Black Finishing Varnish, used over baking varnishes to improve appearance, give a harder surface, and protect against oil, moisture, dirt and metal dust; (5) Sticking Varnish, for cementing cloth, paper, mica, etc; (6) Core Plate Varnish, for insulating laminations of transformers and armatures. Oil varnishes are usually applied by hot dipping or vacuum impregnation, while finishing varnishes are applied by brush or spray
Metals, any	Brass plate	Electroplate of copper and zinc, applied to brass where uniform appearance is desired, and to steel for appearance or when bonding to rubber is desired
	Brush plating	For plating small portions of assemblies that cannot conveniently be dismantled or safely immersed. Uses prepared compounds of jelly-like consistency, available for nickel, cadmium, copper, silver, gold and chromium. After polishing, area is completely cleaned with special degreasing compounds that do not require immersion. Plating is done with ordinary paint brush having small anode at bristle end, that is dipped in prepared compound and moved over area in slow even strokes. Batteries or other d-c power source provide plating current
	Ceramic coatings	Crystalline porcelains, developed at NBS and still relatively new, have high dielectric and mechanical strength up to 2,000 F and high thermal shock resistance. Typical composition is 80% zirconia, 10% beryllia and 10% magnesia. Good for electrical insulators, radar transformers and spark plugs
	Chromium plating	Lustrous tarnish-resistant flash deposit of chrome electroplate about 0.00001 inch thick, applied by electroplating over nickel or copper plus nickel. Nickel is generally in form of plate over steel, copper or other base material. Plating is from bath containing chromic acid plus a sulfate or fluoride radical. Brilliance depends on condition of nickel surface. Modern bright nickel plating solutions sometimes permit omission of buffing and cleaning steps. Not for parts having deep recesses
	Copper plating	Most widely used as undercoating for nickel plating because of excellent throwing power, high deposition rate and good adhesion. Easily polished and buffed. Cyanide copper plating baths are most common for thin deposits prior to nickel plating. Proprietary plating baths give mirror-bright deposits. Copper plate tarnishes readily. Acid copper baths are used primarily for electroforming because they permit rapid buildup of thick deposits. Copper strike is required (rather than simpler cyanide dip) before plating from acid sulfate or fluoborate baths
	Enamel	Pigmented lacquer or varnish that can be air-dried or baked. Metals generally require cleaning and one of coatings listed here to get good adhesion. All materials listed under lacquer become enamels when color pigments are added
	Indium plating	Silver-white, extremely soft, malleable and ductile metal, tarnish-resistant, with unusual ability to harden and improve surface properties of nonferrous metals. Steel must first be plated with a nonferrous metal such as copper, silver or brass. Plating is from cyanide, sulfate, fluoborate and sulfamate solutions, with cyanide preferred. After plating, diffusion is achieved by oven baking for 2 hours at 350 F to obtain improvement in surface properties
	Lacquer, air dry	Used clear as lacquers and with thermoplastic color pigments as enamels, for protection and decoration. Always soluble in solvents in which originally mixed. Applied by brushing, hand or automatic spraying, machine or basket bulk dipping, centrifuging and barrel tumbling. Electrostatic equipment greatly reduces material consumption in automatic spraying. Types most extensively used are:
	Cellulose nitrate	Compatible with resins and solvents, nearly colorless, cheap, quick drying, most widely used of all thermoplastic lacquers. Maximum solids content for spraying is 35%, and 40% if hot
	Cellulose-acetate resin	Better resistance to heat and light than cellulose nitrate, low flammability, but has few solvents and is compatible with few resins; used as wire insulation
	Cellulose acetate-butylate resin	Durable outdoors, but high in cost and compatible with few resins; non-yellowing, and provides excellent protection for metals
	Ethyl-cellulose resin	Good resistance to alkalis, stable to heat and light, flexible even at low temperature and has many solvents
	Polyvinyl resin	Resistant to acids and alkalis, but soluble in ketones and chlorinated solvents
	Shellac and other natural resins	Excellent adhesion but easily scratched; good insulating properties, low cost, flexible, soluble in alcohol

COATINGS FOR PROTECTION AND DECORATION (Continued)

Base Material	Coating	Remarks
Metals, any (continued)	Methacrylates Excellent clarity but high cost	
	Polystyrene resins Good electrical properties, soluble in hydrocarbons	
	Polyethylene Tough, inert, heat-resistant, flexible, good electrical properties	
	Nylon High in cost, hence used for specialty work chiefly; wires are being nylon coated at rate of mile a minute	
	Lacquer baking	Used clear as lacquers and with color pigments as enamels, for protection and decoration. Thermosetting. After baking, not soluble in original solvents since baking polymerizes coating in insoluble condition. Can be applied in patterns by roller coating, screen stenciling and printing. Cheaper than air drying usually because fewer coats are needed to get same film thickness. Can be sprayed with solids content up to 50%. Rubbing-type paste waxes improve durability of finish. First three of following types are used most extensively:
	Urea-formaldehyde Hard, colorless, resistant to chemicals, good electrical properties, fast curing, but less adhesion to plastics than urea films	
	Alkyds Durable outdoors, excellent adhesion, but slightly yellow in color and not as hard as urea-formaldehyde; generally combined with other resins	
	Phenol-formaldehyde Resistant to chemicals, but darkens in light	
	Melamine Colorless, resistant to alkalis and high temperature, but high in cost	
	Vinyl coatings Synthetic finishes that can be applied to all ferrous and nonferrous metals without pretreatments or primer coats. Dries in 2 to 20 minutes at 250 to 350 F. Solid content can be up to 40%, providing stabilized coating with good hiding power. Odorless, tasteless, nontoxic; available in all standard colors as well as water-clear and transparent shades, varying from flat and satin finishes to high glosses. Average coverage is 400 sq ft per gallon. Successfully used also on molded phenolic plastics such as radio cabinets, and as insulation on wires. Can be applied by all conventional methods, including brushing, dipping, spraying, flushing or flow coating, and roller coating. Drying is by evaporation of volatile solvents, but heat from convection or infrared ovens required to complete the curing cycle and fuse the coating to the metal or plastic surface. Surface must be carefully cleaned and degreased to get good adhesion	
Nickel plating	Applied directly on base metal or on preliminary copper plate, for protection from corrosion. Does not protect steel from galvanic corrosion. If nickel plating is broken, corrosion of base metal is accelerated. Generally followed by thin chrome plate to provide abrasion and tarnish resistance. Protection is directly proportional to thickness of nickel. Steel items may be buffed after copper or nickel plating; nonferrous items are generally completely buffed before cleaning. Not for parts having deep recesses	
Rhodium plating	High-priced metal but widely plated because of hardness, brilliant blue-white color with exceptional reflectivity as required for searchlight mirrors, and excellent tarnish and corrosion resistance. Best applied over good nickel deposit. Generally plated from sulphate or phosphate-type solution	
Silicones	Hard, resistant to 600 F, sprays freely with up to 60% solids. Good insulating properties; used as insulation on wires	
Silver plating	Frosted appearance, brightened by buffing. Plating solution is silver nitrate and sodium cyanide. Tarnishes readily. For electrical contacts, improving conductivity, and reflectors	
Strip coatings	Based on vinyl chloride-acetate resins such as Vinylite. Applied by spray, dip or brush to form continuous film having low adhesion to permit subsequent stripping. Affords maximum protection against weathering, scuffing, corrosion and mechanical abrasion, particularly during forming and other manufacturing operations	
Tin dip or plate	Excellent corrosion resistance if coating is unbroken. Tin-plated parts can be severely worked and deformed without rupture of plating. Used extensively for copper, brass and bronze parts and wire that must be soldered	
Plastics	Metal plating	Initial copper film is applied to any plastic object by reduction of copper from Fehlings solution having metallo-organic derivative of sodium hydrosulfite. Intermediate layer of copper or silver can then be applied conventionally by electroplating, followed by final layer of desired metal
Silver	Electro- polishing	Reverse electroplating process for producing luster equal to that obtained by hand buffing, with much less removal of silver. Polishing time is about 15 seconds in alkaline cyanide solution at 5 volts d-c with work as anode
Steel	Black oxide dip	Nonmetallic chemical black oxidizing treatment for steel, cast iron and wrought iron. Poor abrasion resistance and inferior to plating
	Bluing	Immerse cleaned and polished steel in heated saltpeter or carbonaceous material and rub with linseed oil. Inexpensive, but poor corrosion resistance

Base Material	Coating	Remarks
Steel (Continued)	Bonderizing	Spray or immersion process producing gray crystalline phosphate coating. Widely used for finishing metal cabinets, light fixtures, switch boxes and machine parts. Inhibits corrosion and increases adherence of paint. Typical application sequence involves emulsion cleaner spray, two water rinses, spraying with Bonderite solution, water rinse, acid rinse, drying at 250 F for 1½ minutes, and spraying with zinc chromate primer
	Bower-Barff finish	Corrosion-resistant oxide finish produced by heating pieces in closed retort to 1,600 F and alternately injecting superheated steam and carbon monoxide
	Cadmium plating	Widely used for radio and electrical parts because easily soldered and has good conductivity. Coating is attractive but relatively soft and relatively high in price. Plating is from cyanide baths, with addition agents to produce bright or semibright deposits. Dip in dilute chromic acid or various proprietary chromate or phosphate solutions to get good paint adhesion
	Calorizing	Application of aluminum coating by cementation process involving packing steel articles in container with mixture of aluminum oxide, powdered aluminum and ammonium chloride and heating in inert atmosphere like hydrogen while container is slowly rotated. Coating is resistant to sulphur and does not oxidize
	Chromizing	Diffusion process for forming alloy of chromium and iron on surface to give corrosion resistance of high-chromium steels. Steel objects are packed in closed container with chromium powder and alumina and heated to about 1,400 C in hydrogen atmosphere
	Corronizing	Nickel and zinc layers are separately plated on steel or codeposited and composite coating is heated to temperature at which zinc and nickel form an alloy
	Galvanizing	Dip in molten zinc. Low cost, but generally inferior to cadmium plate and poorer adherence than zinc electroplating. Poor appearance and poor wear resistance
	Granodizing	Cold-spray process of applying nonmetallic crystalline phosphate coating that tends to suppress galvanic action, so rust or corrosion does not spread beyond area where accidental scratching exposes bare metal. Typical sequence involves using alkaline-emulsion spray as cleaner, rinsing, coating with Granodine and rinsing
	Lohmannizing	Immersion of iron or steel sheets in bath containing amalgamating salt, followed by pickling and dipping in two different baths of molten alloys of lead, tin and zinc to produce protective metal coating
	Parco Lubrizing	Chemical method of producing phosphate coating to prevent wear, involving immersion of cleaned articles for about 15 minutes in near-boiling solution of Parco Lubrite. Finish is matte black and does not alter magnetic properties or impair elasticity. Coating absorbs and retains oil, permitting rapid break-in of wearing parts and retarding wear and corrosion
	Parkerizing	Production of corrosion-resistant phosphate coating by immersing in solution of manganese dihydrogen phosphate and heating until effervescence ceases. Used chiefly as base for enamels and paints. Oiling gives appearance of gun metal
	Phosphate treatment	Nonmetallic chemical treatment for steel and iron. Good paint base and suitable for protection of internal surfaces of hollow parts, but inferior to plating and poor abrasion resistance
	Sherardizing	Application of thin zinc coating by tumbling parts in mixture of zinc dust at about 800 F. Zinc adheres by a form of amalgamation process. Preliminary cleaning required
	Tin-zinc coating	Most successful with 50 to 80% tin. Widely used on steel chassis blanks for radio sets and electronic equipment and on steel housings for electrical equipment to protect against rusting. Can also serve as foundation for nickel-chromium plating not intended for high temperatures
	Zinc plating	One of most widely used protective finishes for small steel articles because it is economical in initial cost and application, decorative and highly corrosion resistant. Recently developed aftertreatments maintain brilliance, prevent tarnish; these include afterdip in proprietary chromate or phosphate solutions. Steps include degrease (trend is toward trichlorethylene and perchlorethylene degreasers), alkali clean, acid pickle, plate and afterdip. Acid zinc plating baths are used where bright deposit is not required or where rust resistance is more important than decorative effect; throwing power is poor hence acid baths are not recommended for irregular objects. Cyanide baths with suitable addition agents have greatly superior throwing power and give bright lustrous deposits
Steel, stainless	Passivating treatment	Nitric acid immunizing dip
Tin	Protectatin	Immersion process for applying thin invisible oxide film to tinplate to provide good base for paint or to protect against staining and rusting. Tinplate is dipped for about 20 seconds in hot alkaline phosphate dichromate solution containing suitable wetting or penetrating agent

CERAMICS

Material	Alumina (Aluminum Oxide)	Corderite (Magnesium Aluminum Silicate)	Forsterite (2 MgO- SiO ₂)	Porcelain, Low- Voltage (Dry Process)	Porcelain, High- Voltage (Wet Process)	Porcelain, Zircon	Steatite (Magnesium Silicate)	Titanates (of Ba, Sr, Ca, Mg & Pb)	Titanium Dioxide (Rutile)
Dielec. Const. 1 mc	4.5- 8.4	4.5- 5.4	6.2	6.0- 8.0	6.0- 7.0	7.1- 10.5	5.5- 7.5	15- 12,000	14- 110
Power Factor 1 mc	0.0002- 0.01	0.004- 0.012	0.0004	0.003- 0.02	0.006- 0.01	0.0002- 0.008	0.0002- 0.004	0.0001- 0.02	0.0002- 0.005
Dielec. Strength <i>v/mil</i>	40- 160	40- 250	240	40- 240	90- 400	250- 400	200- 400	50- 300	100- 210
Resistivity <i>meg-cm</i>	10 ⁵ - 10 ⁸	10 ⁶ - 10 ⁸	10 ⁸	10 ⁶ - 10 ⁸	10 ⁶ - 10 ⁸	10 ⁷ - 10 ⁹	10 ⁷ - 10 ⁹	10 ² - 10 ⁹	10 ⁷ - 10 ¹²
Tensile Strength <i>lb/sq in.</i>	700- 3,000	1,000- 4,000	10,000	1,000- 3,500	3,000- 8,000	10,000- 15,000	7,500- 10,000	4,000- 12,000	4,000- 8,000
Compress. Strength <i>lb/sq in.</i>	11,000- 60,000	20,000- 45,000	85,000	25,000- 50,000	25,000- 70,000	70,000- 150,000	65,000- 130,000	40,000- 120,000	40,000- 160,000
Flexural Strength <i>lb/sq in.</i>	1,500- 10,000	1,500- 8,000	20,000	3,500- 6,000	9,000- 15,000	20,000- 35,000	16,000- 24,000	10,000- 22,000	18,000- 22,000
Impact Strength <i>Charpy</i>	0.17- 3.0	0.2- 2.5	4.0	0.2- 2.0	0.2- 2.2	0.4- 1.2	0.3- 5.0	0.3- 0.5	1.7- 3.1
Thermal Expans. <i>Coeff.</i>	2.2- 7	1.5- 3.0	9.1- 10.6	3.0- 6.5	3.0- 6.8	3.0- 5.5	6.0- 10.5	6- 10	7- 9.2
Te Value <i>°C</i>	400- 835	400- 780	1,000	275- 400	300- 500	700	440- 1,000	200- 400	550
Safe Temp. <i>°C</i>	1,300- 1,600	1,200- 1,250	1,000	900	1,000	1,000- 1,200	980- 1,100	800- 1,000	1,000
Water Absorp. %	0.00- 20	0.5- 15	0.00- 0.05	0.5- 2	0.00- 0.5	0.00- 0.5	0.00- 0.05	0.00	0.00
Spec. Grav.	2.2- 3.2	1.6- 2.3	2.8	2.2- 2.5	2.3- 2.5	3.0- 3.8	2.5- 2.8	3.1- 8.9	3.9- 7.2
Typical Uses	Insulation in vacuum tubes; spark plug cores	Resistor and coil forms; thermo- couple insulators	Insulators for high frequency applica- tions	Switch bases, resistor forms	Terminal blocks, resistor forms	Coaxial cable insulators, resistor forms	High-freq. insulation for coils, tubes, coaxial cables	Fixed capacitors, trim- mers, temp.-comp. ca- pacitors, piezoelectric phono pickups	
Remarks	Extremely hard; easy to degass	Highly resistant to heat shock	Similar to steatite; low loss	Usually glazed	Usually glazed	Resistant to heat shock; low loss	Called Lava in natural form	Properties vary greatly with composition and manufacturing processes	

NOTES

Dielectric properties vary with composition of material and with treatment during the manufacturing process, as well as with conditions under which the material is used, hence specific values should always be obtained from the manufacturer of the chosen ceramic prior to actual design.

In general, the dielectric constant changes only slightly with frequency. Zircon porcelain shows the greatest change, dropping from 7.6 at 1 kc to 6.9 at 100 mc for one grade.

All resistivity values are for room temp. 25C.

Impact strength is given in foot-pounds per square inch as obtained on a 1/2-inch rod by the Charpy test. Here again manufacturers' data should be consulted for actual values; some values given here were obtained by ASTM test D667-42T and some by D256-43T, while others were not identified as to test procedure.

The coefficient of linear thermal expansion is for the range from 20 to 100C, and is given in inches per inch per degree C $\times 10^{-6}$ (multiply values in this column by 10^{-6}).

The Te value is the temperature in degrees C at which a 1-centimeter cube has a resistance of one megohm. This is a convenient method for comparison of volume resistivity at elevated temperatures, since ceramic dielectric materials decrease their volume resistivity as temperature goes up (negative temperature coefficient of resistance).

Hardness of ceramics ranges from 6 to 9 on the Mohs scale, wherein the specimen is rubbed against sample minerals of varying hardness, each identified with a number.

FLUORESCENT COMPOUNDS

Compound	Activator	Fluorescent Color	Luminous Eff. in Candles per Watt below		Applications and Remarks
			1 KV	6 KV	
Cadmium borate	manganese	red	1	3	Night viewing navigation indicators, short persistence, not sensitive to ultraviolet rays and so used in airplane cockpits
Cadmium sulfide CdS:Cu	copper	deep red	—	—	Not very active. CdS:Ag used with ZnS:Ag gives bright yellow used for radar in daylight without filter and with tricolor red filter at night
Cadmium tungstate CdWO ₄	none	—	0.3	0.8	Fluoresces without activator, but of little importance in c-r tubes. Very sensitive to ultraviolet. Activated by Mn
Calcium phosphate	dysprosium	white	0.4	1.5	Long persistence, not sensitive to ultraviolet rays and so used in cockpits where other instruments are illuminated by ultraviolet light shining on their fluorescent dials
Calcium tungstate CaWO ₄ :Mn	manganese	blue	0.3	1	Stable photographic screen. Without an activator CaWO ₄ is RMA-P5 used for observing and photographing transients; blue-violet, very short persistence (5 microseconds). Also used in intensifying screens for x-ray
Zinc beryllium silicate ZnBeSiO ₄ :Mn	manganese	yellow-green	1.2	5	Alternate to Zn ₂ SiO ₄ for general use, medium persistence RMA-P3 used in early television tubes
Zinc cadmium sulfide ZnCdS:Cu	copper	orange-yellow	1.5	6	Medium to long persistence, phosphorescent, component of RMA-P7 radar screen. Has orange afterglow. Used for night viewing but not in cockpits
Zinc cadmium sulfide ZnCdS:Ag	silver	yellow	2.5	10	Short persistence, for daylight viewing and photography. Component of RMA-P6
Zinc orthosilicate (2ZnO-SiO ₂):Mn	manganese	green	3.5	9	Commonly called willemite. Used in RMA-P1 screen, popular for scopes, because of high light output, stability and ease of maintaining uniform characteristics in production. High efficiency at low voltages. Less apt to burn under electron bombardment than sulfides. Adding about 0.4% arsenic oxide and 3% Mn activator increases persistence. Used for daylight viewing, and used in cockpits because insensitive to ultraviolet
Zinc phosphate	manganese	red	—	—	Sometimes used as special-purpose persistent screen in tubes for cardiographs
Zinc sulfide ZnS	none	pale blue	—	—	Sulfides are the most important of materials used for c-r tube screens. Unactivated ZnS is relatively inefficient. Activity depends chiefly on impurities
Zinc sulfide ZnS:Cu	copper	yellow-green	2	12	Addition of 0.001% copper gives long-persistence RMA-P2 screen for daylight-viewing oscilloscopes, for photography of traces and for holding transient images
Zinc sulfide ZnS:Mn	manganese	orange	1.5	1.5	For low-voltage tubes
Zinc sulfide ZnS:Ag	silver	actinic blue	2	0.4	As little as 0.00001% silver gives short-persistence screen most suitable for photographic recording. Used with ZnCdS:Ag in RMA-P6 white medium-persistence screen. Used with ZnCdS:Cu in RMA-P7 to give medium persistence in blue and long persistence in yellow (known as AB screen in England). Used with Ni quencher in RMA-P11 10-microsecond persistence screen
Zinc silicate (2ZnO-SiO ₂ -H ₂ O):Mn	manganese	green	3.5	9	Medium persistence for general oscilloscopic work; commonly called calamine

GASES

Inorganic Gas	Molecular Weight	Density at 0° C 760 mm Hg gm/liter	Thermal Conductivity at 0° C cal/cm/sec/ deg C × 10 ⁻⁶	Specific Heat at Constant Pressure cal/gm/ deg C	Velocity of Sound at 0° C meters per sec	Resonance ^a Potential volts	Ionizing Potentials ^b volts			Wavelengths of Principal Spectral Lines angstrom units	
							I	II	III		
Air, dry	—	1.2929	56.8	0.2374	331.7	—	—	—	—	—	—
Argon	39.94	1.782	40.6	0.1252	—	11.56	15.69	27.8	36.8	1,048.26 6,965.430 7,503.867	1,066.70 7,067.217 8,115.311
Helium	4.00	0.1785	336.3	1.251	—	20.91	24.5	54.1	—	584.4 5,875.618	3,888.646
Hydrogen	2.02	0.0899	327	3.389	1,269.5	10.2	13.5	—	—	1,215.7 6,562.79	4,861.327
Krypton	83.70	3.708	21.2	0.0597	—	9.98	13.94	26.4	31.2	5,570.290	5,870.916
Mercury Vapor	200.61	—	—	—	—	4.87	10.38	18.7	—	1,849.68 3,650.146 3,663.276 4,358.35	2,536.519 3,654.833 4,046.561 5,460.740
Neon	20.18	0.9002	109.2	0.2455	—	16.58	21.47	40.9	63.2	735.95 5,400.562 5,852.488	743.73 5,832.488 6,402.246
Nitrogen	28.04	1.2506	52.4	0.2447	—	6.3	14.48	29.5	47.4	1,199.5 4,099.94	1,200.2 4,109.98
Oxygen	32.00	1.4290	56.3	0.2178	317.2	9.11	13.55	34.9	54.9	1,302.27 1,306.12 7,774.138	1,304.96 7,771.928 7,775.433
Sodium Vapor	23.00	—	—	—	—	2.1	5.12	47.5	70.8	3,302.323 5,682.657 5,889.953	3,302.988 5,688.224 5,895.923
Xenon	131.30	5.851	12.4	0.0382	—	8.39	12.08	21.1	28.5	1,295.8 4,500.977 4,671.226	1,469.9 4,624.276

^a Resonance potential represents the energy a bombarding electron must have to impart the next higher energy level to the outer electron of a gas atom.

^b Ionizing potentials I, II and III represent the energy bombarding electrons must have to remove completely successive outer electrons of a gas atom.

Insulating Gas (23°C; 760 mm total pressure)	Relative Dielectric Strength for D-C	Boiling Point deg C	Microwave Absorption Coefficients		Dielectric Constants		Remarks NOTE: Dielectric strength is relative to nitrogen
			9,430 mc	24,200 mc	9,430 mc	24,200 mc	
Trichloromonofluoromethane CCl ₃ F	3.0	24.1	—	—	—	—	Freon 11. Vapor-nitrogen mixture
Dichlorotetrafluoroethane C ₂ Cl ₂ F ₄	2.8	3.8	—	—	—	—	Freon 114
Trichlorotrifluoroethane C ₂ Cl ₃ F ₃	2.6	47.2	—	—	—	—	Freon 113. Vapor-nitrogen mixture
Dichlorodifluoromethane CCl ₂ F ₂	2.4	-28.0	0.00003	0.00031	1.00029	1.00031	Freon 12
Sulfur Dioxide SO ₂	1.9	-10.0	0.00011	0.00050	1.00075	1.00086	Corrosive when wet
Carbon Tetrachloride CCl ₄ (Vapor-nitrogen mixture)	1.65	76.74	—	—	—	—	Nonflammable. Toxic
Dichlorofluoromethane CHCl ₂ F	1.33	14.5	0.00052	0.00106	1.00049	1.00052	Freon 22
Hydrogen Sulfide H ₂ S	1.30	-60.75	≤ 0	≤ 0.00003	1.00030	1.00035	Toxic. Corrosive when wet
Ethylamine C ₂ H ₅ NH ₂	1.06	16.51	0.00031	0.00102	1.00053	1.00045	Flammable
Methyl Chloride CH ₃ Cl	1.06	-24.4	0.00055	0.00080	1.00094	1.00099	Moderately flammable
Dimethylamine (CH ₃) ₂ NH	1.04	7.4	—	0.00070	—	1.00040	Irritating. Flammable
Methyl Bromide CH ₃ Br	1.02	3.7	0.00042	0.00062	1.00095	1.00100	Nonflammable. Toxic

GLASS

Trade Name & No.	Type of Silicate Glass	Coeff. of Therm. Expansion ppm/°C	Density grams per cu cm	Soft. Pt. °C	Anneal Pt. °C	Vol. Resistiv. at 350 C megohm-cm	Diel. Const. room temp. 100 mc	Loss Tang. room temp. 100 mc	Remarks
Corning 0010	Potash-soda-lead	9.1	2.85	626	428	10	6.32	0.0024	Lamp tubing
Corning 0080	Soda-lime	9.2	2.47	696	510	0.13	6.75	0.0085	Lamp bulbs
Corning 0120	Potash-soda-lead	8.9	3.05	630	433	100	6.65	0.0018	Lamp tubing
Pyrex 1710	Lime-alumina	4.2	2.53	915	712	2,500	6.00	0.0042	High temp.
Pyrex 3320	Soda-potash-boro	4.0	2.27	780	535	—	4.71	0.0041	Sealing
Pyrex 7040	Soda-potash-boro	4.8	2.24	702	484	80	4.65	0.0028	Metal sealing
Pyrex 7050	Soda-borosilicate	4.6	2.25	703	496	16	4.77	0.0035	Series sealing; W seals
Pyrex 7052	Mixed alkali boro	4.6	2.28	708	475	25	5.07	0.0037	Kovar sealing
Pyrex 7060	Soda-boro	5.0	2.23	690	495	13	4.70	0.0038	Metal sealing
Pyrex 7070	Low-alkali boro	3.2	2.13	—	490	1,300	4.00	0.0012	Low loss
Vycor 7230	Alumina-boro	1.4	—	1,160	750	—	3.83	0.0016	Quartz-tungsten seal
Pyrex 7720	Soda-lead-boro	3.6	2.35	755	518	16	4.50	0.0031	Tungsten sealing
Pyrex 7740	Soda-boro	3.2	2.23	820	555	4	5.00	0.0080	Low expansion; general
Pyrex 7750	Soda-boro	4.1	2.19	704	467	50	4.28	0.0025	Sealing
Pyrex 7760	Borosilicate	3.4	2.23	780	515	50	(4.5)	(0.0018)	Electrical
Vycor 7900	96% silica	0.8	2.18	1,500	910	130	3.9	0.0006	High temp., low loss
Vycor 7910	96% silica, uv transm.	0.8	2.18	1,500	910	1,600	(3.8)	(0.00024)	High temp., low loss
Vycor 7911	96% silica, uv transm.	0.8	2.18	1,500	910	4,000	(3.8)	(0.00019)	High temp., low loss
Corning 8870	High lead content	9.1	4.28	580	429	5,000	(9.5)	(0.0009)	Sealing or electrical
GE	Silica glass, clear	0.6	2.20	1,667	1,140	4,000-30,000	3.81	0.0001	High-temp. insulator

Softening and annealing points are subject to normal manufacturing variations. Data on dielectric constant and loss tangent at 100 mc are from A. von Hippel's Laboratory for Insulation Research at MIT except data in brackets, which is for 1 mc at room temperature and taken at the Corning Glass Works. Loss tangent is loss factor divided by real dielectric constant. The tensile strength of commercial glasses, as measured for one-quarter inch diameter rods of annealed rods of glass in prolonged bending tests, is approximately 4000 psi. By tempering, this value can be increased to 10,000 psi and upwards, depending upon the degree of tempering. In designing articles of glass for various applications it is important, as with other materials, to use appropriate safety factors.

INSULATION FOR WIRES

Material	Type of use	Dielectric properties	Chem. properties	Resistance to ozone, sunlight	Physical properties	Non-flammability	Oil resistance	Trade names and remarks
Butadiene-styrene copolymer	Insulation or jacket	G	G	F	G	P	F	Buna S—vulcanizable; rubber-like; extrudable
Cellulose acetate-butyrate	Insulation	F	G	G	G	F	G	Tenite II; Kodapak—thermoplastic; extrudable or applicable as tapes
Cellulose ethyl ether	Insulation	F	G	G	G	F	G	Ethyl cellulose—thermoplastic; extrudable
Chloroprene polymer	Jacket	P	E	E	G	E	G	Neoprene—vulcanizable; rubber-like, extrudable or calendered strips; several types
Ethylene polymer	Insulation	E	E	E	E	P	F	Polythene—thermoplastic; extrudable
Isobutylene-diolefin copolymer	Insulation	G	E	G	G	P	P	Butyl rubber—vulcanizable; rubber-like; extrudable
Isobutylene polymer	Insulation	E	E	E	F	P	P	Polybutene—not vulcanizable; rubber-like; mixed with resins or rubber; extrudable
Organic polysulfides	Jacket	P	G	E	F	P	E	Thiokol—both thermoplastic and vulcanizable types; extrudable
Plasticized vinyl chloride polymer	Insulation or jacket	F	E	E	G	E	E	Koroseal—thermoplastic; extrudable; several types
Plasticized vinyl chloride-vinyl acetate copolymer	Insulation or jacket	F	E	E	G	E	E	Vinylite—thermoplastic; extrudable; available in many types
Vinylidene chloride-vinyl chloride copolymer	Insulation	F	E	E	G	E	E	Saran—thermoplastic; applicable as threads or tapes

NOTE: E—excellent; G—good; F—fair; P—poor

INSULATING SHEETS

Laminating Resin and Base	NEMA Grade	Power Factor 1 mc	Dielec. Constant 1 mc	Dielectric Strength		Impact Strength Izod	Flexural Strength psi	Compressive Strength psi	Tensile Strength psi
				Short Time	Step by Step				
Lignin Plastic	—	0.041	6.0	200	170	0.7	12,500	27,500	7,500
Melamine Formaldehyde, Asbestos Paper	—	0.18	9.0	125	70	1.2	21,000	37,000	9,000
Melamine Formaldehyde, Cellulose Paper	—	0.4	8.0	550	325	0.9	28,000	40,000	17,000
Melamine Formaldehyde, Cotton Fabric	—	0.4	7.0	350	300	1.4	20,000	40,000	15,000
Melamine Formaldehyde, Glass Fabric	G-5	0.01	7.2	500	360	30	39,000	65,000	45,000
Mica, glass-bonded	—	—	—	—	430	1.8	22,000	45,000	13,000
Phenol Formaldehyde, Asbestos Fabric	AA	0.44	6.8	50	30	3.5	20,000	38,000	10,000
Phenol Formaldehyde, Asbestos Felt	—	—	—	70	50	4	34,000	35,000	23,000
Phenol Formaldehyde, Asbestos Paper	A	0.115	5.2	160	95	1.8	16,000	36,000	8,000
Phenol Formaldehyde, Cellulose Paper	X	0.06	6.0	500	360	1.3	23,000	35,000	14,000
Phenol Formaldehyde, Cellulose Paper	P	0.06	6.0	500	360	1.1	15,000	22,000	8,000
Phenol Formaldehyde, Cellulose Paper	XX	0.04	5.0	500	360	1.0	16,000	34,000	9,000
Phenol Formaldehyde, Cellulose Paper	XXP	0.04	5.0	500	360	3.0	16,000	25,000	8,000
Phenol Formaldehyde, Cellulose Paper	XXX	0.032	4.8	470	320	0.8	15,000	32,000	7,000
Phenol Formaldehyde, Cellulose Paper	XXXP	0.027	4.5	470	320	0.5	15,000	25,000	7,000
Phenol Formaldehyde, Cotton Fabric	C	0.1	7.0	150	90	3.2	20,000	38,000	9,500
Phenol Formaldehyde, Cotton Fabric	CE	0.055	5.5	360	220	2.3	17,000	36,000	8,000
Phenol Formaldehyde, Cotton Fabric	L	0.10	7.0	150	90	2.5	20,000	35,000	9,000
Phenol Formaldehyde, Cloth	LE	0.045	5.0	360	220	1.8	19,000	37,000	8,500
Phenol Formaldehyde, Glass Fabric	G-1	0.02	4.5	550	400	4.0	24,000	45,000	25,000
Phenol Formaldehyde, Glass Fabric	G-3	—	—	500	395	10	—	—	—
Phenol Formaldehyde, Glass Fabric	—	0.028	5.0	300	200	8.5	22,000	—	14,800
Phenol Formaldehyde, Nylon Fabric	—	0.03	3.5	475	375	4.5	21,500	31,000	9,000
Phenol Formaldehyde, Wood	—	0.05	5	350	—	6	32,000	16,000	24,000
Rubber, hard	—	0.6	3.7	415	—	—	15,000	—	—
Silicone, Asbestos Fabric	—	—	—	100	75	7.5	14,000	45,000	—
Silicone, Glass Fabric	—	0.0015	—	300	250	10	14,000	35,000	13,000
Vinyl chloride-acetate, unplasticized	—	0.018	3.1	425	—	0.5	14,000	11,000	8,400
Vulcanized Fiber	—	—	4.7	200	—	4	16,000	26,000	8,500

NOTES

The materials listed above are in most cases available also as tubing and as rods either machined from sheets or molded and then ground

to size.
NEMA Grade: Established by National Electrical Manufacturers Association (Pub. No. 46-118—Standards for Laminated Thermosetting

Products, Aug. 1946) for laminates using phenolic resin binders (except G-5 which uses a melamine binder).
Average values are given throughout; actual

Hardness Rockwell	Specific Gravity	Linear Expansion	Water Absorption %	Typical Trade Names and Remarks
M90	1.4	2.3	0.8	Benelex. Natural resin used by itself or with phenolics as laminates and in molding compounds. Good up to 175F.
M115	1.8	—	3.0	Dilecto. For arc and flame resistant applications. For temp. up to 245F. Gray color. All melamine laminates are TS.
M125	1.5	—	0.5	Dilecto; Panelyte. Unlimited colors, tough, strong, low water absorption, good chemical resistance. Good up to 260F.
M115	1.5	—	0.8	Formica. Good chemical resistance, tough, excellent machining qualities. For table tops, panel boards, etc.
M120	1.9	—	1.1	Formica; Lamicoide; Micarta; Phenolite; Taylor; Textolite. Strong, flame-resistant, for combat ship insulation.
—	3.2	—	0.002	G-E Mycalex 2821; Mycalex. Low dielectric power losses at high frequencies, high mechanical strength.
M100	1.7	1.8	0.85	Phenol Fibre; Dilecto. Good resistance to heat and flame because of high inorganic content; fabric is tougher, stronger, and more resistant than paper grade. For low-voltage applications only. All phenol formaldehyde laminates are thermosetting. Low water absorption and minimum dimensional change when exposed to moisture.
M115	1.6	—	0.85	
M100	1.7	1.0	0.85	
M100	1.4	2.0	2.3	
M101	1.37	1.4	1.9	Consoweld; Farlite Compreg; Formica; Inderon; Insurok; Lamitex; Panelyte; Pregwood; Phenol Fibre; Spauldite; Synthane. In general, paper-base grades have high dielectric and mechanical strength, low moisture absorption, and are suitable for hot-punching. One major use is for insulation in radio and electronic equipment. Grade X is for mechanical applications where electrical properties are secondary; P is primarily intended for punching; XX is suitable for usual electrical applications, while XXP is similar but better suited for hot-punching; XXX is suitable for r-f work and high-humidity jobs, while XXXP is similar but with lower dielectric losses and is better for hot-punching. Unlimited colors.
M102	1.35	1.7	0.95	
M105	1.35	1.9	0.95	
M109	1.35	1.7	0.70	
M114	1.30	1.8	0.70	
M100	1.35	2.0	1.70	Dilecto; Farlite; Formica; Insurok; Lamicoide; Micarta; Moldarta; Panelyte; Phenol Fibre; Phenolite; Spauldite; Synthane; Textolite. Tough, good machining, opaque, limited range of colors; sunlight lowers surface resistance; very low burning rate. NEMA grade C is tough and strong for gears, and has high impact strength; CE is tougher; L is from finer cotton fabric, not so tough, while LE is similar but tougher, with good moisture resistance. All four grades are unsuited for electrical applications except at low voltages. Certain other cloth-base grades can be post-formed.
M104	1.35	1.8	1.2	
M100	1.36	1.4	1.4	
M105	1.34	1.8	0.9	
M109	1.6	1.5	1.5	Conolon; Formica. Used primarily for resistance to heat, chemicals, and fatigue. High strength and high modulus of elasticity. Some types are good up to 400F. All are general-purpose heat-resisting grades, G-1 being from staple-fiber-type glass cloth and the others continuous-filament-type glass cloth. Unlimited colors.
M119	1.7	1.8	2.0	
—	1.67	—	2.2	
M110	1.15	—	0.2	Dilecto. Excellent electrical insulating properties, resistance to fungi and strength for radar and electronic insulation.
M100	1.3	0.6	7.0	Pregwood. Low burning rate. Limited range of colors. Good machining. Used for making propellers, insulation, etc.
123-80	1.27	—	0.08	Ace X-2-B. High strength and high dielectric quality. Easily punched and machined. Noninflammable. Good insulator.
—	1.75	—	1.3	Formica; Textolite. Withstands temperatures over 480F, with unusual properties that often justify its high cost. Limited range of opaque colors. Not affected by sunlight. Does not burn. Good machining qualities.
M100	1.7	—	0.6	
—	1.4	6.9	0.08	Vinylite Plastic rigid sheets, 0.01 or 0.015 inch thick; also in rolls. When heated, takes a deep draw. Readily machined, spun, punched, formed. Bonds by heat or solvent sealing. Readily printed. Exceptional dimensional stability for scales, dials, and dial windows. Available in transparent, translucent, opaque and opaque high-impact grades.
R80	1.3	—	40	Diamond Fibre; National; Taylor; Vulcoid; Wilmington Fibre. Not a true laminate; values shown here for comparison.

values vary widely with manufacturing methods and chemical compositions, hence specific values should be obtained from manufacturers before designing for a particular application.

Standard ASTM test methods were in general used in obtaining the average values given. Dielectric strength values are in volts per mil for 1/8-inch thickness. Impact strength is in ft-lb

per inch of notch as described for molded plastics. Linear expansion is in inches per inch per degree C $\times 10^{-3}$. Water absorption is for 24-hour immersion of 1/8-inch thickness.

MAGNETIC CORE MATERIALS

Magnetic Material	Chemical Composition (Balance Iron)	Typical Heat Treatment °C	Initial Permeability	Maximum Permeability	Saturation, gauss
Hydrogen Reduced Iron	0.02 impurity	1,480 H ₂ and 880 H ₂	25,000	275,000	21,500
Cobalt	99 Co	1,000 anneal	70	240	18,000
Nickel	99 Ni, 0.2 Cu	1,000 anneal	110	600	6,100
COMMERCIAL MATERIALS					
Cast Iron	2 Si, 3 C	As cast	100	600	—
Magnetic Iron	0.1 impurity	950 anneal	250	5,500	21,500
Armature Steel	0.5 Si	950 anneal	—	5,500	21,400
Electrical Steel	1 Si	950 anneal	400	6,000	21,100
Motor Steel	2.5 Si	800 anneal	—	6,000	20,500
Dynamo Steel	3.25 Si	800 anneal	600	6,000	20,000
Transformer 72	3.6 Si	800 anneal	500	6,500	19,900
Transformer 65	4.0 Si	800 anneal	—	7,000	19,700
Transformer 58	3.6 Si	800 anneal	—	—	19,900
Transformer 52	4.5 Si	800 anneal	—	9,000	19,400
Grain-Oriented Steel	3.0 Si	800 anneal	1,500	30,000	20,000
Temperature Compensator	29.5–32.5 Ni	—	—	—	4,200
45 Permalloy	45 Ni	1,050 anneal	2,500	25,000	16,500
Monimax	47 Ni 3 Mo	1,125 H ₂	2,000	25,000	15,000
Sinimax	47 Ni 3 Si	1,125 H ₂	3,000	25,000	11,000
45 Permalloy, H ₂ Ann.	45 Ni	1,200 H ₂	4,000	50,000	16,500
Permenorm*	50 Ni	1,075 H ₂	—	—	16,000
1040 Alloy*	71 Ni, 15 Cu, 3 Mo	1,100 H ₂	40,000	100,000	6,000
Supermalloy	79 Ni, 5 Mo	1,300 H ₂	100,000	800,000	8,000
Mumetal	75 Ni, 2 Cr, 5 Cu	1,175 H ₂	20,000	100,000	6,500
4-79 Mo-Permalloy	79 Ni, 4 Mo	1,100 anneal	20,000	100,000	8,700
78 Permalloy	78.5 Ni	1,050 ann. 600 Q.	8,000	100,000	10,700
Hiperco	34 Co, 0.5 Cr	850 anneal	650	10,000	24,200
Permendur	50 Co	800 anneal	800	5,000	24,500
2-V Permendur	49 Co, 2 V	800 anneal	800	4,500	24,000
45-25 Perminvar*	45 Ni, 25 Co	1,000 and bake	365	1,800	15,500
7.5-45 Perminvar*	45 Ni, 25 Co, 7.5 Mo	1,000 and bake	550	3,800	10,300
Heusler Alloy*	61 Co, 26 Mn, 13 Al	1,000 ann. bake	—	250	5,500
Sendust*	9 Si, 5 Al	As cast	30,000	120,000	10,000
COMPRESSED POWDER CORES					
Grade B Electrolyt. Iron*		Insul. and press	35	55	—
Carbonyl Iron 70		Insul. and press	70	—	—
Carbonyl Iron 40L		Insul. and press	40	—	—
Carbonyl Iron 16.5E		Insul. and press	16.5	—	—
2-81 Mo-Permalloy	81 Ni, 2 Mo	In., pr. and 650 ann.	125	130	—
Sendust*	9 Si, 5 Al	Insul. and press	65	—	—
Ferrite	Zn, Mn, Ni oxides	Press and fire	15-1,200	100-1,500	1,300-4,200

* Not commercially available in U. S. A.

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NOTES

General. Tabulated data are for materials in the form of bars, rods, wire or sheet, unless otherwise indicated. Permeability values are in many instances only approximate. They are appreciably affected by variations in composition, and manufacturing process. Permeability decreases and hysteresis loss increases appreciably if materials are mechanically stressed after final anneal

Hysteresis Loss at Sat. erg/cm ² / cycle	Residual Flux Density gauss	Coercive Force oersted	Electrical Resistivity μ ohm-cm	Density lb/in ³
300	13,600	0.05	10	0.28
2,000	5,000	10	9	0.32
3,000	3,600	3.4	8	0.32
20,000	5,300	4.6	30	—
5,000	13,000	1.0	10	0.28
—	—	0.9	18	0.28
—	12,000	0.85	25	0.28
—	—	0.75	42	0.28
—	—	0.65	50	0.27
—	—	0.6	56	0.27
3,500	12,000	0.5	59	0.27
—	—	0.4	56	0.27
—	—	0.3	64	0.27
—	—	0.15	47	0.27
—	—	—	80	—
1,200	8,000	0.3	45	0.29
—	—	—	80	0.30
—	—	—	90	0.28
—	—	0.07	45	0.29
—	14,000	0.2	50	0.29
200	2,500	0.014	55	0.32
—	—	0.002	60	0.32
200	—	0.05	42	0.31
200	5,000	0.05	55	0.32
200	6,000	0.05	16	0.31
—	—	1.0	25	0.29
12,000	14,000	2.00	7	0.30
12,000	14,000	2.0	26	0.30
4,000	3,300	1.4	19	0.31
2,600	4,300	0.6	80	0.32
—	—	—	—	—
100	5,000	0.05	80	0.26
—	—	—	—	0.23
—	—	—	—	0.27
—	—	—	—	0.25
—	—	—	—	—
—	—	—	—	0.29
—	—	—	—	—
—	700-3,500	0.5-3.5	—	—

- (1). Commonly called electrical steels. Values are for 29 gage sheets (0.014 inch thick). For coiled strip, permeabilities are slightly higher than given here. Magnetic iron and Armature grades age slightly (coercive force grows). First four grades are used chiefly for core laminations of motors, generators, reactors, power transformers, and other power frequency applications. Transformer grades are used for audio transformers as well as for small or high grade power transformers or motors. The number identifying types gives the percentage of a watt core loss for 29 gage sheet operated at 60 cps and 10,000 gauss. Special thin transformer sheet steels, down to 0.001 in. thick, are available for higher-frequency applications
- (2). Values are for 29 gage, measured in direction of rolling. With flux transverse to rolling direction, core loss increases considerably, and permeability decreases to about one-fourth the tabulated value. This material is used for spiral cores, with butt joints so that flux is always in rolling direction. Typical trade names are Hipersil, Silectron, Corosil
- (3). Thermomagnetic (permeability decreases as temperature increases) in usable temperature range. Used as temperature-compensating magnetic shunt for permanent magnets, in airplane tachometers, watt-hour meters, voltage regulators and contactors
- (4). Alloys with nickel content ranging from 35 to 90% are generally called permalloys, but are marketed under a variety of trade names. Used chiefly for transformer laminations. 45 permalloy has highest magnetostriction of the series
- (5). Used as spiral tape cores for pulse transformers
- (6). Equivalent materials—Hipernik, Allegheny 4750, Nicaloi
- (7). Equivalent materials—Hipernik V, Orthonol X, Delta-max, Permanite. These materials are purified and highly oriented by rolling and heat treating control. Have nearly rectangular hysteresis loops, with residual flux close to saturation. Used for cores of coils for magnetic amplifiers, reactors for mechanical rectifiers
- (8). Permalloys characterized by high initial permeability, low hysteresis loss, minimum magnetostriction. Widely used for cores of audio, radio, video transformers, sensitive relays, magnetic shields
- (9). Iron-cobalt alloys having high saturation flux density, coupled with high permeability. Used for transformers, motors, electromagnets and pole pieces. Addition of vanadium permits rolling to sheets a few thousandths of an inch thick. Used for telephone receiver diaphragms
- (10). Iron-cobalt-nickel alloys have remarkably constant permeability in low magnetic fields
- (11). Powdered materials, available in wide range of particle sizes and compressed or cast to desired core shape for loading coils and high-frequency coils. Density varies with molding pressure, which ranges from 10 to 100 tons per sq in. Permeability value is controlled largely by binder used for particle insulation
- (12). Equivalent materials—Ferroxcube; similar material—Ferramic. Oxides of iron and other materials mixed, compressed, and fired much like ceramic materials to form cubic ferrite. Used in place of powdered iron cores

METALS FOR CONTACTS

	Material	Composition	Tens. Strength lb/sq in.	Applications and Remarks
Red Bronzes	Electronics Bronze	98.75 Cu, 1.25 Sn	77,000	Spring-type contacts
	Government Bronze	95 Cu, 5 Sn	50,000	Springs, contacts, diaphragms
	Riverside No. 105	95 Cu, 4 Zn, 1 Sn	38,000	Fuse clips, electrical contacts, 38% conductivity
	Spring Oreide	92 Cu, 8 Sn	55,000	Spring contacts, switches, diaphragms
	Sheet Gun Metal	90 Cu, 10 Sn	—	Corrosion-resistant electrical contacts
	Lubaloy	90 Cu, 1.75 Sn, 8.25 Zn	81,000	Contact springs, radio tube sockets
Phosphor Bronzes	Super-X, Grade A, E	96.5 Cu, 3.5 Sn, P	79,500	Fuse clips, springs, switches, diaphragms
	Omega Brand, No. 30	95.5 Cu, 4.3 Sn, 0.2 P	160,000	Light springs and contacts
	Riverside No. 30	94.4 min Cu, 3.8-4.8 Sn, 0.05-0.35 P, 0.3 Zn	88,000-40,000	Light springs and contacts, resists corrosion from salt water, Brinell hardness No. 100
	Hard Phosphor Bronze	92.8 Cu, 7 Sn, 0.2 P	—	—
	Super-X, Grade C	92 Cu, 8 Sn, P	93,500-57,000	Spring contacts requiring good fatigue resistance
	Riverside No. 47	91 min Cu, 7.5-8.5 Sn, 0.05-0.25 P, 0.2 Zn	101,000-53,000	Spring contacts, fuse clips, used to meet severe forming and endurance requirements, resists salt water corrosion
Other Copper Alloys	Anaconda Beryllium Copper	2-2.25 Be, 0.25-0.5 Ni, rest is Cu	196,000-50,000	Springs, high fatigue and strong parts, fuse clips, switch blades
	Beraloy No. 25	97.75 Cu, 2 Be, 0.25 Co	175,000-66,000	Springs, electrical contacts, valve diaphragms
	Silvel	Cu, Zn, and Ni or Mn and Sn, and Fe	130,000-73,000	German silver, electrical contact springs
	Super-X 18% Nickel Silver Grade B	55 Cu, 18 Ni, 27 Zn	99,500-50,000	Tarnish-resistant springs and switch blades
	Best German Silver	50-46 Cu, 31-20 Ni, 34-29 Zn	—	—
	Cupaloy	Cu-Cr alloy	60,000	Commutators, slip rings, high conductivity
	Steb Metal	Ag on Cu	—	Silver rolled into copper
	Combarloy	Ag and Cu alloy	—	High-conductivity commutator bars
Silver Alloys	Elkonite	Ag-WC or 40 Ag, 60 Mo	—	Contactors, high conductivity, easily machined, Brinell hardness No. 110-150
	Elkonium No. 1	Ag alloy	—	Substitute for fine silver contacts
	Fasaloy	Ag, Cu, Co	—	—
	Gibsaloy Grade A	95-50 Ag, 5-50 Ni	—	Sintered powder electrical contacts
	Gibsaloy Grade C	99-93 Ag, 1-7 graphite	—	—
	Gibsaloy Grade NM	1-35 Ni, 1-30 Mo, rest is Ag	—	Contacts for high current densities
	Gibsaloy Grade NW	1-35 Ni, 1-30 W, rest is Ag	—	Contacts for high current densities
	Fastell	Silver alloy	—	Electrical contacts, various grades are made by alloying Ag with various hardening metals
	Mallory D-50	Silver alloys	30,000	—
Tungsten & Other Alloys	Elkonite (10-W-3)	77 W, 23 Cu	55,000	Sintered alloy; does not respond to heat treatment; Brinell hardness No. 225
	Mallory HA & HB Metal	W-alloy	—	—
	Wilcoloy	WC	—	Telegraph relays (tungsten carbide)
	Milwaloy 18	Fe, Ni, Mn	—	Nonmagnetic for use in circuit breakers
	Aeralloy	Pt alloy	—	—
	Elkonium No. 13	Pd alloy	—	Brinell hardness No. 240
	Paliney	Pd, Pt, Ag, Cu, Ni or Au	170,000	Nonmagnetic contacts, pivots, bearings, springs, grade No. 6 (Brinell H. No. 240) can be heat treated. Grade No. 7 (Brinell, hardness No. 280) is corrosion and wear resistant
	No. 712 Alloy	29 Os, 40-50 Ir, rest is Pt	—	—
	Electrical Gold Alloy	70 Au, 25 Ag, 5 Ni	—	—

METALS FOR TUBES

Name	Composition	Typical Applications and Remarks
Aluminum	99.94 Al	Work hardens, melts at 1,220 F
Baral	Up to 50 Ba, rest is Al	Getters, stable in air
Barium	100 Ba	Malleable and lustrous
Beryllium	100 Be	Windows for x-ray tubes, light metal, coef. of exp. of cast iron
Brass	Cu, Zn	Base pins, grid caps; usually nickel-plated
Calloy Strontium-Aluminum	Up to 50 Sr, rest is Al	Getters, stable in air
Columbium	100 Cb	Lowest work function of pure refractory metals, melts at 1,950 C. Getter, stable in air
Copper	Cu	Pure copper melts at 1,981 F; in various forms copper is used for components of electronic tubes requiring high conductivity, but because of its softness it is frequently coated or plated on a structural metal. OFHC copper is used for magnetron anodes and conductors
Electrolytic Copper	99.9 Cu	
Lake Copper	99.9 Cu	
Arsenical Lake Copper	99.4 Cu, 0.3 As, 0.2 O ₂	
Casting Copper	98.5-99.8 Cu	
Deoxidized Copper	99.95 Cu, Ag, P	
Gallium	100 Ga	Photoelectric cells and tubes, melts at 29.9 C, coef. of exp. 0.000018
Gold	100 Au	Plated on grids and other parts: high conductivity, melts at 1,945 F
Graphite (Carbon)	99.997 C	Anodes in high-power vacuum tubes
Iron	Fe	Pure iron is not used commercially, but it is frequently an alloying metal, melts at 2,786 F
Radiohm	12-13 Cr, 4-5 Al, bal. Fe	Tube parts, resistant to heat to 1,000 C
D-H No. 42 Alloy	41.5-43 Ni, rest Fe	Glass-metal seals, coef. of exp. of glasses, max. operating temp. 400 C
Platinite	54-58 Fe, 46-42 Ni, 0.15 C	To replace Pt in electronic tubes, heat resistant, coef. of exp. of glasses, glass-metal seals
Dilver	54-58 Fe, 42-46 Ni	Heating elements, properties similar to Platinite
Dumet	54 Fe, 46 Ni, plated with Cu	Resistance alloy for sealing in glass bulbs; Platinite with an oxidized Cu plated coating
Fernico	54 Fe, 28 Ni, 18 Co	Metal-glass joints, same coef. of exp. as glasses
Kovar	30 Ni, 15 Co, 0.2 Mn, balance is Fe	Low expansion alloy for hard glass-metal seals, mean expansivity (25-400 C) is 0.0000045
Fernichrome	37 Fe, 30 Ni, 25 Co, 8 Cr	Metal seals to soft glass, substitute for Dumet
Nilstain 416	23-30 Cr, 0.35 C (max), balance is Fe	Glass sealing wire, heat resistant
Molymet	45 Fe, 45 Ni, 10 Mo	Grid wire
Magnesium	99.9 Mg	Commercial Mg is 99.9 percent pure; getter material for O ₂
Barnay	35 Ba, balance is Mg	Getters
Revere Magnesium M	Mn and Mg	Tube parts and resistances
Misch Metal	50 Ce, 45 La, 5 others	Getters
Nickel	Ni	Pure nickel has a high temp. coef. of resis., melts at 2,616 F
Hoskins 651	100 Ni	Base pins of miniature tubes
A Nickel	99 Ni & Co (min), 0.25 Cu, 0.3 Fe, 0.35 Mn, 0.2 C, 0.2 Si, 0.008 S (max)	Constructional parts of electronic tubes, base pins, support wires and rods, grid side rods, getter tabs, shields, thyratron grids
220 Nickel	99 Ni & Co (min), 0.2 Cu, 0.2 Fe, 0.2 Mn, 0.15 C, 0.01-0.05 Si, 0.008 S (max)	Hot cathodes (225 Nickel, having higher Si content, can be used where liberation of appreciable Ba is not objectionable); this grade is used if liberation of Ba is to be minimized
330 Nickel	99 Ni & Co (min), 0.15 Cu, 0.2 Fe, 0.2 Mn, 0.15 C, 0.1 Si, 0.008 S (max)	Anodes, cold cathodes and structural parts
Alloy No. 484	98 Ni, 2 Mn	Sparking electrodes
Tantalum-Nickel	Ni plus Ta	Less expensive substitute for tantalum
Gridnic A-F		Grid wires and other wire parts
Mangrid D, E	4.5 or 20 Mn, bal. Ni	Vacuum-tube grid wire; magnetic
Filnic, H-K	Ni, Co, Ti, Fe, Si	Resistance metal for filaments and heaters
D-H No. 52 Alloy	51-52 Ni, balance is Fe	Glass-metal seals and grid wires, max. operating temp. 500 C
Sylvaloy	97 Ni, 3 Si	Vacuum-tube filaments
Tensite	98 Ni, 2 Al	Vacuum-tube filaments
Konel	73.07 Ni, 16 Co, 8.8 Ti, 0.55 Si, 0.26 Al	Filaments, substitute for platinum, heat and corrosion resistant, hot short above 1,250 C
Palladium	100 Pd	Malleable, ductile, hard, melts at 2,822 F
Platinum	100 Pt	Melts at 1,773 C (3,191 F); for soft glass seals
Silver	100 Au	Melts at 1,761 F, used for high-conductive coating as on tube base pins
Tantalum	100 Ta	Electrodes, melts at 2,996 C, corrosion resistant, nonmagnetic, secondary emission comparable to W, work function is lower, used for grids in tubes having thoriated tungsten filaments, electron emission at 2,100 K is comparable to that from tungsten at 2,500 K
Tungsten	100 W	Filaments and heaters, melts at high temperature of 6,152 F (3,370 C), nonmagnetic, oxidizes when heated in air, used for electron emitters, targets in x-ray tubes, arcing contacts because of its low vapor pressure
Tungsten, Thoriated	0.5-0.75 ThO ₂ , bal. W	Common grade of tungsten used for filaments
Zirconium	100 Zr	Substitute for Pt, melts at 3,090 F. Getter, stable in air

METALS FOR WIRES

Material	Composition	Specific Resistance at 20° C (68° F)		Temperature Coefficient of Resistance		Specific Heat gram-calories
		Microhm-cm	Ohms Per Cir. Mil-foot	Temp. Coeff.	Diff. in Temp. Deg C	
Evanohm	20 Cr, 75 Ni, 2.5 Al, 2.5 Cu	133	800	0.00002	-50-100	0.107
Radiohm	16.5 Cr, 5 Al, bal. Fe	133	800	0.00007	20-500	—
Alferon	14.25 Cr, 3.5 Al, bal. Fe	112	675	0.00016	20-500	0.172
Nichrome	61 Ni, 15 Cr, bal. Fe	112	675	0.00017	20-500	0.107
Nichrome V	80 Ni, 20 Cr	108	650	0.00013	20-500	0.104
Chromax	35 Ni, 20 Cr, bal. Fe	100	600	0.00031	20-500	0.110
Nirex (Inconel)	13 Cr, 8 Fe, bal. Ni	98.1	590	0.000125	20-500	0.109
Comet	30 Ni, 4.75 Cr, bal. Fe	95	570	0.00088	20-500	0.114
14 Alloy	42 Ni, 5.5 Cr, bal. Fe	93.1	560	0.0025	20-500	—
Nilvar	36 Ni, bal. Fe	80.5	484	0.00135	20-100	0.123
Stainless Type 304	18 Cr, 8 Ni, bal. Fe	73	438	0.00094	20-500	0.117
42 Alloy	42 Ni, bal. Fe	66.5	400	0.0012	20-500	0.119
Advance	43 Ni, bal. Cu	49	294	±0.00002	20-100	0.094
Manganin	13 Mn, bal. Cu	48.2	290	±0.000015	15-35	—
Lucero	70 Ni, 30 Cu	48.2	290	0.0010	20-250	0.127
46 Alloy	46 Ni, bal. Fe	45.7	275	0.0027	20-500	0.117
52 Alloy	51 Ni, bal. Fe	43.2	260	0.0029	20-500	0.115
Filnic "F"	Ni-Co-Ti	41	250	0.00179	20-400	—
Midohm	23 Ni, bal. Cu	30	180	0.00018	20-100	0.092
R-63 Alloy	4 Mn, 1 Si, bal. Ni	25	150	0.0027	20-250	0.126
Hytemco	72 Ni, bal. Fe	20	120	0.0045	20-100	0.125
Magno	4.5 Mn, bal. Ni	20	120	0.0036	20-100	0.127
95 Alloy	11 Ni, bal. Cu	15	90	0.00049	20-100	0.092
Manganese Nickel	2 Mn, bal. Ni	14	85	0.0045	20-100	0.129
Z Nickel	Ni, other metals	14	85	0.0043	30-500	0.130
Tantalum	Ta	12.4	75	0.00382	—	0.036
Platinum		10.610	63.80	0.00300	20	0.0324
Iron	Fe	10.000	60.14	0.0050	20	0.1065
Gr. "A" Nickel	99 Ni	10	60	0.0050	0-100	0.130
Lohm	6 Ni, bal. Cu	10	60	0.00071	20-100	0.092
High Brass	Cu-Zn	8.3	50	0.0016	0-100	0.088
99 Alloy	99.8 Ni	—	48	0.0060	0-100	0.130
Low Brass	Cu-Zn	7.0	40	0.0017	0-100	0.090
Zinc		5.916	35.58	0.00347	—	0.0931
Molybdenum		5.7	34.27	0.0033	20	0.0647
Tungsten		5.523	33.22	0.0045	18	0.0336
30 Alloy	2.25 Ni, bal. Cu	5	30	0.0013	20-100	0.092
Com. Bronze	Cu-Zn	4.2	25	0.0020	0-100	0.091
Aluminum		2.670	16.06	0.00446	—	0.214
Gold		2.42	14.55	0.0034	20	0.0316
Copper		1.724	10.37	0.00393	20	0.0921
Silver		1.629	9.796	0.0038	20	0.0559

Alloys having similar properties and compositions: Nichrome V, Tophet A, Chromel A, Superior, Chronin and Nichrome III; Advance, Cupron, Constaloy, Excelsior, Constantan and Ideal; Manganin and Tarnac; Midohm and 180 Alloy.

Thermal Conductivity <i>watts per cu cm</i>	Approx. Melting Point <i>deg C</i>	Coefficient of Linear Expansion		Tensile Strength at 20° C <i>pounds per sq in.</i>		Specific Gravity	Density <i>pounds per cubic inch</i>
		Coeff. of Linear Exp.	Diff. in Temp. <i>deg C</i>	Max	Min		
0.152	—	0.000014	—	225,000	90,000	8.1	0.292
—	1,480	0.0000155	20-1,000	175,000	90,000	7.30	0.263
0.02	1,480	0.0000114	20-100	150,000	70,000	7.31	0.264
0.132	1,350	0.000017	20-1,000	175,000	95,000	8.247	0.2979
0.136	1,400	0.000017	20-1,000	200,000	100,000	8.412	0.3039
0.130	1,380	0.0000158	20-500	150,000	70,000	7.95	0.2872
0.136	1,395	0.0000161	20-750	175,000	80,000	8.55	0.3089
0.135	1,480	0.000015	20-500	160,000	75,000	8.15	0.294
0.136	1,425	0.0000108	25-425	150,000	70,000	8.10	0.292
0.110	1,425	0.000001	20-100	150,000	70,000	8.08	0.292
0.200	1,399	0.000020	0-1,000	300,000	100,000	7.93	0.286
0.160	1,425	0.0000053	20-400	150,000	70,000	8.12	0.293
0.218	1,210	0.0000149	20-100	135,000	60,000	8.9	0.321
—	1,020	0.0000187	15-35	90,000	40,000	8.192	0.296
0.250	1,350	0.0000125	20-100	150,000	70,000	8.90	0.3215
0.153	1,425	0.000008	25-425	150,000	70,000	8.17	0.295
0.167	1,425	0.0000095	20-500	150,000	70,000	8.247	0.2979
—	1,450	0.0000143	20-500	175,000	95,000	8.590	0.3103
—	1,100	0.0000175	20-500	100,000	50,000	8.9	0.321
0.385	1,425	0.0000152	20-500	175,000	70,000	8.72	0.315
0.289	1,425	0.000015	20-1,000	150,000	70,000	8.46	0.305
0.271	1,435	0.0000143	20-500	135,000	60,000	8.750	0.316
0.145	1,100	0.0000175	20-500	75,000	35,000	8.9	0.321
0.272	1,435	0.0000146	20-500	135,000	60,000	8.813	0.3184
0.270	1,450	0.000014	30-1,000	230,000	90,000	8.75	0.316
—	2,996	0.0000065	—	180,000	50,000	16.6	0.6
0.695	1,773	0.0000089	20	50,000	—	21.45	0.7750
0.619	1,535	0.0000117	20	120,000	50,000	7.86	0.2840
0.615	1,450	0.000015	20-500	135,000	60,000	8.9	0.321
0.21	1,100	0.000018	20-500	100,000	50,000	8.9	0.321
1.29	930	0.0000202	25-300	125,000	55,000	8.53	0.306
—	—	—	—	—	—	—	—
1.55	1,000	0.0000191	25-300	120,000	47,000	8.6	0.313
1.12	419	0.000033	20	30,000	22,000	7.14	0.2579
1.46	2,625	0.000005	20	313,000	100,000	10.2	0.3685
1.60	3,410±20	0.000004	20	940,000	490,000	19.3	0.6973
0.387	1,100	0.0000175	20-500	60,000	30,000	8.9	0.321
2.11	1,040	0.0000184	25-300	75,000	37,000	8.7	0.318
2.03	660	0.000024	20	45,000	35,000	2.7	0.0975
2.96	1,063	0.0000142	20	20,000	—	19.3	0.6973
3.88	1,083	0.0000166	20	60,000	35,000	8.92	0.3223
4.19	960	0.0000189	20	42,000	—	10.5	0.3793

PERMANENT MAGNET MATERIALS

Permanent Magnet Alloy	Chemical Composition (Balance is Fe)	Residual Flux Density B_R gauss	Coercive Force H_C oersteds	Maximum Energy Product $(BH)_{max}$	B_o gauss at $(BH)_{max}$	Density lb/cu in.	Coef. of Temp. Expansion (20-300 C) in./in./°C
0.65% Carbon Steel	0.65 C, 0.85 Mn	10,000	42	180,000	6,500	0.283	13.3x10 ⁻⁶
1% Carbon Steel	1 C, 0.50 Mn	9,000	51	200,000	5,900	0.282	12.4x10 ⁻⁶
5% Tungsten Steel	5 W, 0.70 C	10,500	70	330,000	7,000	0.292	13.5x10 ⁻⁶
6% Tungsten Steel	6 W, 0.70 C, 0.50 Mn, 0.50 Cr	9,500	74	330,000	6,500	0.294	14.5x10 ⁻⁶
1% Chrome Steel	0.90 Cr, 0.60 C, 0.45 Mn	9,500	52	230,000	6,500	0.282	13.4x10 ⁻⁶
2% Chrome Steel	2.15 Cr, 0.90 C	9,300	60	260,000	6,300	0.282	13.1x10 ⁻⁶
3½% Chrome Steel	3.5 Cr, 1 C, 0.50 Mn	9,500	66	290,000	6,500	0.281	12.6x10 ⁻⁶
6% Chrome Steel	6 Cr, 1.1 C, 0.40 Mn	9,500	74	300,000	6,200	0.281	12.2x10 ⁻⁶
9% Cobalt Steel	9 Co, 0.90 C, 1.25 W, 5 Cr	7,800	122	410,000	5,100	0.286	14.0x10 ⁻⁶
17% Cobalt Steel	17 Co, 0.70 C, 8.25 W, 2.5 Cr	9,000	170	650,000	5,900	0.302	15.9x10 ⁻⁶
36% Cobalt Steel	36 Co, 0.80 C, 3.75 W, 5.75 Cr	9,600	228	930,000	6,300	0.296	17.2x10 ⁻⁶
40% Cobalt Steel	40 Co, 0.70 C, 5 W, 4.25 Cr	10,000	242	1,030,000	6,500	0.296	17.4x10 ⁻⁶
Alnico IA	12 Al, 22.5 Ni, 5 Co	6,600	540	1,400,000	4,100	0.249	12.6x10 ⁻⁶
Alnico IB	12 Al, 21 Ni, 5 Co	7,100	450	1,400,000	4,700	0.249	12.6x10 ⁻⁶
Alnico IIA	10 Al, 18 Ni, 12.5 Co, 6 Cu	7,000	630	1,600,000	4,200	0.256	12.4x10 ⁻⁶
Alnico IIB	10 Al, 17 Ni, 12.5 Co, 6 Cu	7,500	560	1,600,000	4,600	0.256	12.4x10 ⁻⁶
Sintered Alnico II	10 Al, 17 Ni, 12.5 Co, 6 Cu	7,200	550	1,500,000	4,400	0.249	12.4x10 ⁻⁶
Alnico IIIA	12 Al, 26 Ni	6,500	560	1,350,000	4,000	0.249	13.0x10 ⁻⁶
Alnico IIIB	12 Al, 25 Ni	7,000	470	1,350,000	4,500	0.249	13.0x10 ⁻⁶
Alnico IIIC	12 Al, 24 Ni	7,500	400	1,350,000	5,000	0.249	13.0x10 ⁻⁶
Alnico IVA	12 Al, 28 Ni, 5 Co	5,500	730	1,250,000	3,100	0.253	13.1x10 ⁻⁶
Alnico IVB	12 Al, 27 Ni, 5 Co	6,000	660	1,300,000	3,400	0.253	13.1x10 ⁻⁶
Sintered Alnico IV	12 Al, 28 Ni, 5 Co	5,500	730	1,250,000	3,100	0.232	13.1x10 ⁻⁶
Alnico V	8 Al, 14 Ni, 24 Co, 3 Cu	12,700	650	5,500,000	10,400	0.264	11.3x10 ⁻⁶
Sintered Alnico V	8 Al, 14 Ni, 25 Co, 3 Cu, 1 Ti	10,000	575	3,500,000	—	0.260	11.3
Alnico VIB	8 Al, 15 Ni, 24 Co, 3 Cu, 1 Ti	10,500	760	3,650,000	7,100	0.268	11.4x10 ⁻⁶
Alnico VIC	8 Al, 15 Ni, 24 Co, 3 Cu, 0.5 Ti	11,000	700	4,000,000	7,900	0.268	11.4x10 ⁻⁶
Alnico XII	6 Al, 18 Ni, 35 Co, 8 Ti	6,100	1,000	1,650,000	3,200	0.264	11.0x10 ⁻⁶
Nipermag	12 Al, 30 Ni, 0.4 Ti	5,600	660	1,340,000	3,400	0.249	13.0x10 ⁻⁶
Cunico I	50 Cu, 21 Ni, 29 Co	3,400	710	850,000	2,000	0.300	—
Cunico II	35 Cu, 24 Ni, 41 Co	5,300	450	990,000	3,400	0.300	—
*Cunife I	60 Cu, 20 Ni	5,700	590	1,850,000	4,200	0.311	—
*Cunife II	50 Cu, 20 Ni, 2.5 Co	7,300	260	780,000	4,700	0.311	—
Remalloy; Comol	12 Co, 17 Mo	10,000	230	1,100,000	6,900	0.295	—
Indaloy (Sintered)	Mo, Co	9,000	240	9,000,000	—	0.288	—
*Vectolite	30 Fe ₂ O ₃ , 55 Fe ₃ O ₄ , 2.5 Co ₂ O ₃	1,600	900	500,000	940	0.113	—
Silmanal	86.75 Ag, 8.8 Mn, 4.45 Al	590	6,300	83,000	292	0.325	20 x10 ⁻⁶
Vicalloy I	9.5 Va, 52 Co	9,000	300	1,000,000	5,500	0.296	11.2x10 ⁻⁶
*Vicalloy II	13 Va, 52 Co	10,000	450	3,000,000	8,200	0.293	11.2x10 ⁻⁶
Platinum Alloys	{ 77.8 Pt, 22.2 Fe 76.7 Pt, 23.3 Co	{ 5,830 4,500	{ 1,570 2,700	{ 3,070,000 4,000,000	{ 3,400 2,600	{ — —	{ 10 x10 ⁻⁶ 11 x10 ⁻⁶
New KS	3.7 Al, 17.7 Ni, 27.2 Co, 6.7 Ti, bal. Fe	7,150	785	2,030,000	4,300	0.27	12 x10 ⁻⁶
PF 1	Pure Fe powder, pressed	6,000	470	1,100,000	—	—	—
PF 2	Fe + 30% Co, powder	8,600	410	1,600,000	—	—	—

Tensile Strength (as used) lb/sq in.	Hardness (as used) BR-Brinell (RC-Rockwell)	Mechanical Properties	REMARKS
300,000	60-65 RC	H, M, F, P	<p>NOTE: Values given are in many instances approximate and appreciably affected by variations in composition and manufacturing processes. Mechanical properties are specified as follows: H—hard; B—brittle; D—ductile; P—punchable; M—machinable; MA—machinable after annealing; F—hot-forgeable.</p> <p>1. So-called magnet steels, usually cast in ingots and hot-rolled into bars and strips. As-rolled hardness (depending upon section, steel, and treatment) varies from approximately 25 RC to approximately 55 RC and material is ordinarily suitable for hot forming and punching operations but not for cold forming or machining operations unless carbide tools are used. Material may be annealed to 25-35 Rockwell C in the case of cobalt steels, and to approximately 15 RC in all other cases. This will permit ordinary cold machining operations but the anneal is detrimental to magnetic properties and should be kept as light as possible. After forming, material is hardened (depending on steel) by either water or oil quench from hardening temperature. Intricate shapes may be cast.</p> <p>2. So-called cast magnets, though Alnico II, IV and V can also be sintered. The Alnicos are always provided in final form and heat-treated by the manufacturer. Grinding, which is the only finishing or machining operation practical, may be performed by either consumer or manufacturer. Cast of final shape in sand molds from induction furnaces, Alnico is a hard, weak, and brittle material but possesses sufficient strength for successful use in almost all permanent magnet applications. May be precision cast. Alnicos V and VI heat-treated in magnetic field possess properties indicated only in direction established by this field. Transverse modulus of rupture in lb/sq in. ranges from 7,200 for cast Alnico II to 50,000 for Alnico XII, with sintered Alnicos going above 75,000.</p> <p>3. Ordinarily chill cast in small bars, which may then be cold-rolled to strip and punched, or the bars may be machined and cut to size. (Material not hot workable as of date.) Readily machinable both before and after its final heat treatment (which will ordinarily be performed by the manufacturer). Intricate shapes may be precision cast or sand cast. As cast, hardness is 180 BR. May also be sintered.</p> <p>4. Sand cast in small bars and cold-drawn or rolled to wire or strip sizes. Magnetic properties depend upon severe cold reduction, and those specified are in direction of drawing or rolling only. Machinable both before and after final heat treatment. As cast, hardness is 135BR. Material not hot-forgeable. Used for magnets less than 0.25 inch in diameter.</p> <p>5. Cast in ingot form and hot-rolled to bars and strips, which may then be hot-bent, hammered, sheared, punched, or cold-machined, but not cold-formed or rolled. As cast, hardness is 20-40 RC. Heat-treated after forming or machining operations, after which it may be only ground. Quite fragile and brittle. Intricate shapes may be sand cast and machined before heat treatment.</p>
300,000	60-65 RC	H, M, F, P	
300,000	60-65 RC	H, M, F, P	
300,000	60-65 RC	H, MA, F, P	
300,000	60-65 RC	H, MA, F, P	
300,000	60-65 RC	H, MA, F, P	
300,000	60-65 RC	H, MA, F, P	
300,000	60-65 RC	H, MA, F, P	
300,000	60-65 RC	H, MA, F, P	
300,000	60-65 RC	H, MA, F, P	
300,000	60-65 RC	H, MA, F, P	
300,000	60-65 RC	H, MA, F, P	
300,000	60-65 RC	H, MA, F, P	
300,000	60-65 RC	H, MA, F, P	
4,000	45 RC	H, B	
4,000	45 RC	H, B	
3,000	45 RC	H, B	
3,000	45 RC	H, B	
65,000	43 RC	H	
12,000	45 RC	H, B	
12,000	45 RC	H, B	
12,000	45 RC	H, B	
9,000	45 RC	H, B	
9,000	45 RC	H, B	
60,000	42 RC	H	
5,450	50 RC	H, B	
50,000	—	H, B	
23,000	56 RC	H, B	
23,000	56 RC	H, B	
39,500	58 RC	H, B	
10,500	45 RC	H, B	
100,000	200 BR	D, M	
100,000	200 BR	D, M	
100,000	200 BR	D, M	
100,000	200 BR	D, M	
—	60 RC	H, P, M, F	
—	—	—	
nil	—	B	
110,000	230 BR	D, M	
—	60 RC	—	
360,000 (90% Red.)	60 RC	—	
103,000	210 BR	—	
—	—	—	
—	—	—	
Very low	—	B	
Very low	—	B	

PLASTICS

Molding or Casting Material	Type	Power Factor			Dielectric Constant			Diel. Strength v/ml	Volume Resistivity meg-cm
		60 cps	1 kc	1 mc	60 cps	1 kc	1 mc		
Alkyd Resin	TS	—	—	—	6.2– 6.7	—	5.0	390– 400	—
Allyl Resin, Cast	TS	0.019	0.01– 0.018	0.06	3.45	3.25– 3.8	3.6	570– 1,275	>10 ⁸
Aniline Formaldehyde Resin No Filler	TP	0.002	0.004	0.006– 0.008	3.7– 3.8	3.7	3.5– 3.6	600– 650	10 ¹⁰ – 10 ¹¹
Casein	—	—	—	0.052	—	—	6.1– 6.8	400– 700	—
Cellulose Acetate, Molding	TP	0.01– 0.06	0.01– 0.06	0.01– 0.1	3.5– 7.5	3.5– 7.0	3.0– 7.0	250– 365	10 ⁴ – 10 ⁷
Cellulose Acetate Butyrate	TP	0.04	0.01– 0.06	0.01– 0.05	6.4	—	3.2– 6.2	250– 400	10 ⁴ – 10 ⁶
Cellulose Nitrate (Nitrocellulose; Pyroxylin)	TP	0.06– 0.2	0.3	0.06– 0.1	11.2	7.0	6.0	280– 600	10 ⁴ – 10 ⁵
Cellulose Propionate	TP	—	0.007– 0.016	0.012– 0.022	—	3.6– 3.9	3.3– 3.6	410– 450	10 ⁵ – 10 ⁸
Cold-Molded Compound, Inorganic (Refractory Ceramic)	TS	—	—	—	—	—	—	50– 75	—
Cold-Molded Compound, Organic (Nonrefractory)	TS	0.2	—	0.07	15	—	6	85	1.3 × 10 ⁶
Ethyl Cellulose	TP	0.01– 0.02	0.008– 0.03	0.02– 0.04	3.8– 4.0	3.4– 4.0	3.0– 3.7	400– 600	10 ⁴ – 10 ⁸
Glass-Bonded Mica	TS	0.003– 0.007	0.001– 0.002	—	7.5– 7.6	7.4– 9.2	7.0	300– 500	10 ⁷ – 10 ¹¹
Glyceryl Phthalate Resin	—	0.003– 0.004	0.006– 0.008	0.025– 0.035	4.0– 4.5	4.0– 4.5	3.7– 4.0	300– 350	10 ⁸
Melamine Formaldehyde Asbestos Filler	TS	0.08	0.05	0.03	8.0	7.3	6.7	300	10 ⁵
Melamine Formaldehyde Cellulose Filled	TS	0.08	0.05	0.06	9.5	9.0	8.2	300	10 ⁵
Methyl Methacrylate (Acrylic)	TP	0.06– 0.07	0.05– 0.06	0.03– 0.04	3.5– 4.0	3.3– 4.0	3.0– 3.5	400	10 ² – 10 ³
Nylon (Polyamide)	TP	0.02– 0.04	0.02– 0.04	0.03– 0.04	4.0– 4.6	4.0– 4.5	3.4– 3.5	350– 470	10 ⁷ – 10 ⁸
Phenol Formaldehyde No Filler (PF ₁)	TS	0.10	0.08	0.03	6.5	6.0	5.0	300	10 ⁵
Phenol Formaldehyde Wood Flour Filler (PF ₂)	TS	0.12	0.06	0.06	7.0	6.0	5.5	300	10 ³
Phenol Formaldehyde Cellulose Filler (PF _{3, 4, 5, 6})	TS	0.20– 0.25	0.08– 0.1	0.06	9.0– 10	8.0	6.0	200– 300	10 ³
Phenol Formaldehyde Mineral Filler (PF _{7, 8})	TS	0.025– 0.05	0.02– 0.03	0.01– 0.02	6.0	5.5	5.0	350	10 ⁵ – 10 ⁶
Phenol Formaldehyde Mineral Filler (PF _{9, 10})	TS	0.35– 0.42	0.25– 0.4	0.1– 0.2	15– 50	12– 30	7– 8	200– 300	10 ² – 10 ⁵
Phenol Formaldehyde, Cast	TS	0.025– 0.5	0.01– 0.3	0.01– 0.2	6.5– 30	5.5– 30	5– 15	75– 450	10 ² – 10 ⁶
Polydichlorostyrene	TP	0.0003– 0.0008	0.0002	0.0002	2.64– 2.66	2.62	2.62	370	—
Polyethylene	TP	0.0002– 0.0005	0.0002– 0.0005	0.0002– 0.0005	2.25– 2.3	2.25– 2.3	2.25– 2.3	460– 470	10 ¹⁰ – 10 ¹¹
Polystyrene	TP	0.0001– 0.0005	0.0001– 0.0005	0.0001– 0.001	2.6– 2.75	2.4– 2.75	2.4– 2.75	450– 600	10 ⁹ – 10 ¹³

Heat Distort. Temp. °F	Max. Service Temp. °F	Impact Strength Izod ft lb/in.	Tensile Strength lb/sq in.	Hardness Rockwell	Specific Gravity	Linear Expans. in./in. /°C × 10 ⁻⁶	Typical Trade Names and Remarks
350-400	—	0.18	3,000-4,000	—	2.2	—	Plaskon Alkyd. High heat resistance, excellent electrical properties even after immersion or long exposure to moisture. Short curing time.
140-200	212-225	0.3-0.4	5,000-6,000	M95-M115	1.32-1.40	5.5-10	Allymer; Kriston. Used as or in molding, casting and coating compositions. Transparent but readily colored. Withstands heat.
210-245	180-190	0.32	8,500-10,000	M115-M120	1.22-1.25	5-6	Cibanite; Dilectene. High dielectric strength and weather resistance. Used for radio insulators.
300	300-325	1.0	10,000	M70-M100	1.35	4.1-6.8	Ameroid; Galorn. Cheap and easy to mold. Hardened by formaldehyde or similar agent, and seasoned by drying.
100-150	120-210	0.5-6.0	2,000-8,000	R52-R123	1.27-1.34	8-16	Bakelite; Koppers; Fibestos; Hercules flake; Kodapak; Lumarith; Nixon; Plastacele; Tenite; Vuepak. Light, tough; many colors.
100-180	120-130	0.6-7.3	1,400-6,500	M15-M72	1.18-1.23	11-17	Tenite II; Hercose. Also called acetobutyrate. Better moisture resistance and dimensional stability than cellulose acetate.
120-165	140	2-8.5	3,000-10,000	R90-R120	1.35-1.57	9-16	Celluloid; Hercules flake; Nitron; Nixonoid; Nixon; Pyralin. Highly inflammable; excellent molding qualities.
120-160	120-140	0.8-11.4	2,000-6,500	R63-R104	1.16-1.22	13-16	Forticel. Used for radio and telephone housings and cabinets. Tough; high impact strength; stable over wide range of heat and humidity.
—	700-1,300	0.4	—	M35-M65	1.8-1.9	0.8	Aico; Hemit; Textolite. Ceramic type, thermosetting after baking. Resists heat and arcing. Gray, black only.
—	400-500	0.4	—	M35-M65	1.87-2.15	1.4	Aico; Amerine; Garit; Gummon; Textolite; Thermoplax. Becomes TS during baking. Resists heat, arcing. Low cost. Dark colors.
110-150	150	2.5-11.6	2,700-8,000	R20-R100	1.09-1.19	10-15	Celcon; Koppers; Ethocel; Ethofoil; Hercules flake; Lumarith; Nixon. Tough, durable, resistant to sun and chemicals.
300	300-400	0.6-1.8	5,000-16,000	K80-K105	2.6-3.9	1.0-1.1	Mycalex; Mykroy.
175-195	250	0.45-0.55	8,500-10,500	M115-M120	1.4	5.5-6.0	Bakelite. Widely used as ingredient in commercial finishes.
270	210	0.2	5,000	M109	2.2	4.5	Melmac; Plaskon; Resimene. Resistant to heat, arcing, surface tracking, water, chemicals. For insulation, radio cabinets. Properties vary with filler used; cellulose filler gives 125-sec arc resistance for uses like connector inserts.
300	260	0.2	6,000	M112-M122	1.55	2-4.5	
130-190	120-160	0.1-0.5	5,000-9,500	M87-M105	1.2	7-11	Lucite; Plexiglas. Used to pipe light; for solid and liquid-filled lenses; dials, escutcheons. Easily colored. Softens in hot water.
130-170	—	1.5-2.7	7,000-11,000	R111-R118	1.09-1.15	10.0-15.0	Marketed under generic name nylon. Widely used for injection molding; tough; strong; can be boiled; can be molded in thin sections.
230	250	0.3	6,000	M124	1.30	—	Bakelite; Catapak; Co-Ro-Lite; Drackett; Durez; Durito; Heresite; Indur; Insurok; Makalot; Micarta; Neillite; P-C-I; Resinox; Textolite. Values given apply also to phenol-furfural and furfural-aldehyde-phenol molding materials. Phenolics are available in many different types for molding or casting, coatings, laminating materials, and adhesives. Phenolics are relatively inexpensive; widely used for radio cabinets, appliance housings, knobs, electrical plugs, telephone handsets, component parts, switch plates, insulation.
260	300	0.2	6,000	M115	1.45	3.5	
250	250-300	0.3-4.0	5,000-6,000	M110	1.42-1.45	2.0-3.3	
250	250-300	0.3	5,000	M100	2.0	1.9	Mineral filler (Mica or asbestos) gives low-loss insulating qualities for high-frequency applications. Difficult to machine. Low shrinkage. Will withstand up to 450 deg F intermittently.
250-280	260-400	0.2-0.7	4,000	M95-M100	2.0	2.0-2.12	
95-175	160	0.25-0.6	2,000-9,000	M20-M120	1.26-1.78	5-15	Bakelite; Catalin; Gemstone; Marblette; Prystal. Unlimited colors. For radio and clock cabinets, meter windows.
230-250	212-230	0.3-0.5	4,500-8,500	M90-M103	1.38-1.4	—	Mathieson DCS. Modification of polystyrene having higher heat distortion point, lower water absorption. Cost is high.
122	140-200	>3	1,700-1,900	R35-R40	0.92	18-24.8	Bakelite; Polythene. Excellent electrical properties, nearly constant up to 3,000 mc. No known solvents at room temp. Low-priced. It floats.
170-200	150	0.3-0.45	5,000-9,500	M76-M80	1.05-1.07	6.8-8	Bakelite; Koppers; Loalin; Lustrex; Lustron; Plexene; Styron; Textolite. Good high-frequency insulator up to 3,000 mc. Low cost.

PLASTICS (continued)

Molding or Casting Material	Type	Power Factor			Dielectric Constant			Diel. Strength v/mil	Volume Resistivity meg-cm
		60 cps	1 kc	1 mc	60 cps	1 kc	1 mc		
Polystyrene with Chlorinated Diphenyls	TP	0.002	0.003	0.001	2.8	2.8	2.8	400	10 ¹³
Polyvinyl Carbazole	TP	0.0005- 0.001	0.0004- 0.001	0.0004- 0.001	3.0	3.0	3.0	750- 1,000	10 ⁹ - 10 ¹⁰
Shellac Compound	TP	0.004- 0.04	0.05	—	3- 4	4- 5	—	200- 600	1.8 × 10 ⁸
Silicone Rubber			0.002- 0.006	0.0007- 0.005		3- 10	3.1- 7.4	330- 1,000	1.5 × 10 ⁵ - 10 ⁸
Styrene Copolymer Cross Linked	TS	0.0003	0.00015	0.00025	2.4- 3.0	2.4- 3.0	2.4- 3.0	325- 550	>5 × 10 ¹⁰
Styrene Elastomer	TP	0.0012	0.0005	0.001	2.4	2.5	2.5	600	10 ⁹ - 10 ¹⁰
Styrene Resin, Modified	—	—	—	0.0003- 0.0006	—	—	2.7- 2.9	—	10 ⁹
Tetrafluorethylene	TP	0.0005	0.0005	0.0005	2.0	2.0	2.0	480	10 ⁹
Urea Formaldehyde Alpha Cellulose Filler	TS	0.10	0.055- 0.06	0.04	9.5	9.0	7.5	300	10 ⁹
Vinyl Butyral Resin Flexible, Filled	TP	0.057	0.040	0.045	6.5	6.1	5.0	350	2 × 10 ⁵
Vinyl Butyral Resin Flexible, No Filler	TP	0.115	0.057	0.060	5.60	5.10	3.92	175- 375	5 × 10 ⁴ - 10 × 10 ⁴
Vinyl Butyral Resin Rigid	TP	0.007	0.0075	0.0065	3.61	3.58	3.33	400	>10 ⁸
Vinyl Butyral Resin Thermosetting	TS	—	0.01- 0.1	0.02- 0.1	—	4- 13	4- 10	175- 375	—
Vinyl Chloride Resin Plasticized	TP	0.10- 0.15	0.09- 0.16	0.09- 0.10	5.8- 6.4	4.2- 5.5	3.3- 3.5	325- 425	1 × 10 ⁸ - 50 × 10 ⁸
Vinylidene Chloride	TP	0.042	0.075	0.065	6.0	5.0	4.0	350	10 ⁸
Vinyl Chloride Acetate Rigid	TP	0.007- 0.01	0.011- 0.013	0.018- 0.019	3.2- 3.3	3.1- 3.2	3.0- 3.1	400- 425	10 ⁸
Vinyl Chloride Acetate Flexible, Filled	TP	0.055	0.063	—	8.1- 8.3	6.9- 8.4	—	340- 400	2 × 10 ⁷
Vinyl Chloride Acetate Flexible, No Filler	TP	0.084	0.123	0.100	8.1- 8.3	6.9- 8.4	4.2	150- 300	5 × 10 ⁶
Vinyl Formal	TP	0.007	0.01	0.02	3.6	3.3	3.0	300- 600	—

NOTES

Properties have in most cases been determined by ASTM (American Society for Testing Materials) test methods, at room temperature under standard test conditions. Values will generally be appreciably different above or below room temperature, hence this variation must be carefully considered if the application involves wide temperature ranges.

PF designations in parentheses for phenolics are from the SPI Handbook (Society of the Plastics Industry, Inc., 295 Madison Ave., New York, N. Y.).

Values differ widely for identical plastics in many cases because small variations in manufacturing methods, in composition and in molding

conditions cause wide variations in certain properties. The ranges shown therefore constitute the limits of values given in various sources.

Manufacturers should always be consulted before making a definite choice of material. This tabulation is intended as a guide to relative properties of the various commercially available plastics.

Type Designations: TP—thermoplastic; can be repeatedly softened by heat and reformed; TS—thermosetting; becomes infusible when heated during or after molding, and cannot be appreciably softened when heat is reapplied.

Power Factor: Determined by ASTM D 150-42T Test Method. Maximum values are given.

Dielectric Constant: Determined by ASTM D 150-42T Test Method. Maximum values are given. For electronic applications it is desirable that values be low for dielectric constant and power factor.

Dielectric Strength: Determined by Short Time method in ASTM D 149-44T Test Method for $\frac{1}{8}$ " thickness. Minimum values are given expressed in volts per mil of thickness. For high-voltage electronic applications, high values are desirable here.

Volume Resistivity: Determined by ASTM D 257-38, which involves measuring the resistance in megohms between two electrodes covering opposite faces of a centimeter cube of the material. Minimum values are given.

Heat Distort. Temp. °F	Max. Service Temp. °F	Impact Strength Izod ft lb/in.	Tensile Strength lb/sq in.	Hardness Rockwell	Specific Gravity	Linear Expans. in./in. /°C×10 ⁻⁵	Typical Trade Names and Remarks
180	—	0.2	3,000	—	1.4	—	Styramic. Higher heat distortion value than polystyrene and comparable strength and cost, and almost as good electrically.
210-320	—	0.5-1.0	4,000-6,000	—	1.2	5-8	Poletron. High heat distortion point. Retains excellent electrical characteristics up to 3,000 mc even at high temp.
—	150-190	2.6-2.9	900-2,000	—	1.1-2.7	—	Complac; Compo-Site. Animal resin used in making molding compounds used for phonograph records, insulators.
—	520	—	200-650	—	1.4-2.0	—	Silastic. High and constant surface resistivity; difficult for water film to form on surface; high heat resistance; flexible down to -70° F.
217-235	—	0.25-0.35	7,000-10,000	M68-M95	1.04	5.9-9	Plexene; Textolite. High heat resistance, low power factor, good chemical and weather resistance. For r-f coil forms.
140-150	140-200	1.5-2.0	900-1,200	—	0.95-0.97	18-23	Styraloy; Styron. Low specific gravity; floats. Can be used at up to 435° F. Rubberlike, flexible; for cable sheathing.
117-126	—	0.28	4,800	—	1.05	—	Marbon. Used principally with synthetic rubbers for wire and cable insulation. Light amber in color. Low-priced.
140-270	400	2.0-4.5	1,100-1,800	D55	2.1-2.3	5.5	Tellon. Nonflammable, weather-resistant, resistant to all chemicals except molten alkali metals. For insulators and wire insulation.
270	170	0.2	6,000	M110	1.55	3.0	Beetle; Plaskon; Rhonite; Synvarol; Uformite; Urac. Electrically nontracking. For radio cabinets, insulators.
—	—	—	500-3,500	—	1.1-1.5	—	Butacite. Tough; resistant to light, heat, and water. Retains flexibility and toughness over wide temperature range. Impact strength varies with type and amount of plasticizer. One modified type is thermosetting. Used as safety glass interlayer, for fabric impregnation and coating, and as plywood adhesive. Slow burning rate. Acids and alkalis have slight effect. Unlimited colors, from transparent to opaque. Also called vinyl butyral. Available in sheets and flakes.
—	—	—	500-3,500	—	1.05	—	
115-140	115	0.8-1.2	4,000-8,500	—	1.07-1.2	8-22	
—	100-140	—	500-3,500	—	1.1-1.5	36	
—	150-175	—	1,000-9,000	—	1.2-1.6	—	Chemaco; Geon. Excellent chemical resistance, low water absorption. For extruded wire covering and tubing.
150	150	0.5	4,000	M50	1.75	19	Saran. High tensile strength. Practically inert chemically. Excellent molding qualities.
120-130	130	0.2-0.3	4,000-7,000	—	1.35-1.4	7	Chemaco; Tygon; Vinylite. Varying composition and degree of polymerization gives wide range of properties for extrusion, molding, casting and surface coating. High gloss. Used for insulation, radio dials and windows, transcription records, unbreakable home records, grommets, and name plates. Unlimited range of colors. Elastomeric (flexible like rubber).
—	125	—	850	—	1.7	—	
—	150	—	1,000-9,000	—	1.2-1.6	0.3-0.5	
160-170	—	0.5-1.0	9,000-12,000	M80	1.2-1.3	7.7	Formvar. Vinyl-base resin used for extrusions, castings and in molding compounds. For wire insulation, coatings.

Heat Distortion Temperature: Determined by ASTM D 548-41T at 264 pounds per square inch fiber stress, and represents temperature at which a centrally loaded simple beam will deflect 0.010 inch when subjected to temperature rise in standard time-temperature-time increments. Values for polyethylene and polytetrafluoroethylene were obtained at 66 psi since these materials are generally suitable only for low-stress applications.

Maximum Continuous Service Temperature: Maximum values recommended for molded parts under no stress for long and short time. Some are higher and some lower than corresponding heat-distortion temperatures, hence both columns should be closely studied when considering applications subject to heat. These temperatures do

not apply to parts immersed in water, chemical solutions, or solvents.

Impact Strength Izod: Minimum value in foot-pounds per inch notch, determined by ASTM D 256-43T, which is one of the most widely used tests for plastics. It represents energy required to break a bar of plastic held in cantilever fashion.

Tensile Strength: Amount of load in pounds per square inch of cross-section, required to pull a test specimen apart. Used principally as guide in applications primarily structural, and is valuable identification test for the soft thermoplastics where impact test is not practical.

Hardness: Minimum value obtained by Rockwell test. The M scale involves a 1/4-inch diameter steel ball with 100-kilogram major load,

while the R scale uses a 1/2-inch ball and 60-kilogram load. The higher the value, the greater is the hardness.

Specific Gravity: Maximum value obtained by ASTM D 792-44T.

Coefficient of Thermal Expansion, Linear: Maximum value, giving inches expansion per inch of length per degree centigrade change in temperature (multiply values given by 10⁻³). Important when plastics are used in conjunction with metal inserts or metal components in final assembly.

Trade Names: Representative examples are given, and in most cases there are many others. Trade names are identified as to manufacturer elsewhere in this directory (in Trade Name Index).

WAXES

Characteristics	Acrax C, A-355	Amber	Apiezon Wax W	Beeswax, White	Beeswax, Yellow	Cerese Wax, Brown, G	Ceresine 135/8 std Yellow, Syn.	Cenco Sealstix 11430	Halowax 1001	Halowax 1013
Dielectric Constant at 1 megacycle	2.4	2.65	2.65	2.5	2.9	2.27	2.25	3.22	3.7	4.5
Loss Tangent ^A at 1 megacycle	0.002	0.0056	0.0025	0.01	0.01	0.0011	0.0005	0.024	0.0038	0.008
at 10 megacycles	0.0015	0.0068	0.002	0.006	0.0095	0.0006	0.0005	0.027	0.04	0.078
at 100 megacycles	0.0012	0.008	0.0016	0.005	0.0095	0.0004	0.0005	0.025	0.13	0.12
Density at 25 C	0.975	1.06	—	0.95	0.946	0.922 ^B	0.881 ^B	1.19	1.54	1.65
Melting Point, C	137	—	—	62	45-64	76.7	138	—	—	—
Temperature, Soft, C	—	200	80-90	62-65	—	—	57	80-85	91	119-122
Flash Point, C	285	—	—	—	—	237.8	202	Flamma- bility low	Does not burn	Does not burn
Chemical Resistance to water	Excellent	Excellent	—	—	—	Excellent	—	Excellent	Good	Good
to alcohols	Good	Poor	—	—	—	—	—	Poor	—	—
to hydrocarbons	Poor	Poor	—	—	—	—	—	—	Poor	Poor
to acids	—	—	—	—	—	Good	—	Excellent	Good	Good
to alkalis	—	Good	—	—	—	Excellent	—	Poor	Good	Good
to oxygen	—	—	—	—	—	Good	—	—	Good	Good
Appearance	Hard, brown	Clear- yellow red brown	Black	White	Yellow, opaque	Brown, trans- lucent solid	Yellow and opaque	Light brown	White to pale yellow	Light straw
Composition	Cetyl aceta- mide	Fossil resin	—	Blanched beeswax, U. S. P.	—	Petrol- eum wax	Vegetable and min- eral waxes	DeKho- tinsky cement	Chlor- inated naphtha- lene	Chlor- inated naphtha- lene
Acid Value	<10	—	—	18-24	—	0.01	—	—	—	—
Saponification Value	—	—	—	90-101	—	0.01	—	—	—	—
Solvents	—	—	—	Ether, carbon tetrachl., naphtha, turpen- tine	—	Benzene, toluene, petrol- eum solvents	—	—	—	—
Methods of Handling	—	—	(Import- ed as six- inch sticks)	—	—	Pouring, flash dip, impreg- nate, surface coating in solu- tion	—	—	—	—
Uses	Insula- tion, stop-off for plat- ing, im- prove resistance of var- nish to salt spray and water	—	Sealing wax in vacuum systems	Leather dressing, polishes, molding	—	Insula- tion, moisture- proofing	—	Rigid cement for instru- ments, apparatus	Dielectric in paper capacitors	Applica- tions where resistance to burn- ing, chemical resistance and high softening point required

^A Loss Tangent = Loss Factor/Dielectric Constant.

^B Approximately 15C.

Abridged from Tables of Dielectric Materials, Report V, Laboratory for Insulation Research, MIT, NDRC Contract OEMsr-191.

Halowax 1014	Halowax 11-314	Opalwax	Ozokerite Wax	Parowax	Permafil C26A2	Plicene Cement 11441	135 A. M. P. Wax	132° ASTM Paraffin
4.4	2.94	3.1	2.3	2.25	3.75	2.49	2.25	2.03
0.008	0.00032	0.11	0.0008	0.0002	0.030	0.0025	0.0001	0.00012
0.058	0.00068	0.055	0.0007	0.0002	0.033	0.0021	0.0001	0.00011
0.6	0.0025	0.0027	0.0006	0.0002	0.034	0.0016	0.0001	0.00013
1.76	—	0.98	0.9	0.892 ^B	1.31	1.02	0.81 ^B	—
—	35-63	86	53	50	—	80	56	56
136-139	—	—	—	—	None	60-65	—	36
Does not burn	Self-extinguishing	—	Flammability high	200	—	—	213	204-218
Good	Excellent	—	Excellent	Excellent	Good	Excellent	Excellent	Excellent
—	—	—	—	—	—	Good	Good	—
Poor	—	—	—	—	—	—	Poor	—
Good	Good	—	Excellent	Good	Good	Excellent	Good	—
Good	Good	—	Excellent	Excellent	Good	Excellent	Good	Good
Good	Good	—	Good	Good	Good	—	—	Good
Pale yellow	White, crystalline, opaque	Pearl white	Opaque, brown-black	White	Amber, transparent	Opaque, black	Yellow	White solid, translucent
Chlorinated naphthalene	Dichloro-naphthalene	Hydrogenated castor oil	Native paraffin	Petroleum wax	Cross-linked addition polymer	—	Low-loss paraffin	Paraffin wax
—	—	<2	—	Nil	—	—	—	Nil
—	—	175-185	—	Nil	—	—	—	Nil
—	—	—	—	Benzene toluene, petroleum solvents	—	—	—	Hydrocarbons and chlorinated solvents
—	—	Surface coats; emulsify, spread and dry	Impregnation	Pour, flash dip, impregnate; compression molding, surface coating	Casting or impregnation	—	Pour, flash dip, impregnate, compression molding	Surface coat, impregnate
Applications where resistance to burning chemical resistance and high softening point required	—	Insulation, make fibrous materials grease, oil and water-proof	Waterproof insulation, paper, temporary sealing	Coating and sealing	Coil impregnation, laminated materials	—	Temporary sealing, paper impregnation	Water-repellant coatings, impregnate fibrous materials

WAX COMPOUNDS

Material	M-R 3309	M-R 896 EX	M-R 1283 EX	M-R 1271 EX	M-R 1067 EX	M-R 1281 EX
Composition	Microcrystalline petroleum wax base					
Melting Point (Drip) °F	167-172	174-179	180-185	180-185	184-189	204-208
Cold Flow °F	165-170	169-174	170-175	170-175	180-185	205-210
Penetration in tenths of mm	32 F, 200 gm, 60 sec	16-18	12-14	9-11	9-11	14-16
	77 F, 100 gm, 5 sec	20-24	15-16	11-13	11-13	14-16
	115 F, 50 gm, 5 sec	42-44	41-43	16-18	16-18	39-43
Color	Brown	Lt. Brown	Dk. Brown	Yellow	Lt. Brown	Lt. Brown
Pouring Temp. °F	225-275	225-275	225-275	225-275	225-275	350-400
Spec. Grav.	0.93	0.92	0.93	0.93	0.93	0.93
Viscosity in sec (ASTM)	40-44	34-38	46-50	46-50	40-44	
Flash Point °F	525	470	500	500	520	520
Chief Functions	General impregnating and dip coating					Dip coating
Typical Uses	Moisture-proofing coils, transformers and capacitors. Use at 225 F minimum to drive out moisture before impregnating					Dipping air-core coils
Remarks	Low M. P.	Low viscosity, ideal for rapid impreg.		In general, lower M. P. waxes are cheaper. Operating temp. usually governs choice		Tough coating; supports coil turns
Note:	Viscosity is for flow through Unversal orifice at mean pour. temp.					

POTTING COMPOUNDS

Material	M-R 860 EX	M-R 868 EX	M-R 3193	M-R 1399 EX	Pot Head No. 63	M-R 803 EX
Composition	Mineral-filled asphalt base				Asphalt base without filler	
Softening Point °F	215-220	230-240	245-255	270-275	126-128	175-185
Penetration in tenths of mm	32 F, 200 gm, 60 sec	25-27	25-27	2-3	3	33-36
	77 F, 100 gm, 5 sec	38-42	38-42	4-5	6-7	56-60
	115 F, 50 gm, 5 sec	53-56	53-56	5-6	13-14	105-115
Pouring Temp. °F	400	425	450	450	220	350
Color	Black	Black	Black	Black	Black	Black
Spec. Grav.	1.69	2.03	1.70	1.69	0.96	1.00
Flash Point °F	475	475	520	590	380	460
Chief Functions	Potting for moisture proofing, providing mechanical support inside cases and absorbing noise of vibrating laminations					
Typical Uses	Potting small iron-core transformers and choke coils					
Remarks	Mineral filler provides higher thermal conductivity, raises softening point slightly and greatly increases viscosity				803 EX also used for storage battery seals	

SEALING COMPOUNDS

Material	M-R 1366 EX	M-R 1600 EX	M-R 1601 EX	M-R 1602 EX	M-R 1603 EX	M-R 1300 EX	M-R 1437 EX	M-R 1450 EX	M-R 1445 EX
Composition	Synthetic resin base with mineral filler						Synth. resin	Polystyrene base	
Cold Flow °F	238-243	253-258	245-250	225-230	265-270	228-233	228-233	237-242	245-250
Softening Point (R & B) °F	250-255	248-253	255-260	238-243	270-275	238-243	235-240	229-234	236-241
Pouring Temp. °F	350-400	350-400	350-400	350-400	350-400	280-330	260-300	275-325	320-380
Color	Tan	Tan	Brown	Brown	Tan	Tan	Brown	Lt. Cream	Cream
Adhesion	Satisf.	Good	Good	Good	Satisf.	Excellent	Excellent	Good	Good
Penetration in 0.1 mm	0	0	0	0	0	0-1	1-2	0-1	0
Spec. Grav.	1.55	1.56	1.57	1.56	1.57	1.53	1.06	1.05	1.05
Flash Point °F	450	490	480	480	520	400	400	500	500
Chief Functions	Moisture proofing and providing mechanical support for leads of components								
Typical Uses	Capacitor end seals								
Remarks	Chloride content below 4 parts per million. 1600 EX and 1602 EX have high mineral oil resistance					Also for screw hole fillers	Low pouring temp. and S. G. Combining with cellulose polymer improves toughness		
Note:	Penetration is at 77F/100gm/5 sec								

M-R 1462 EX	M-R 3732	M-R 3733	M-R 3734	M-R 1475 EX	M-R 1476 EX	M-R 1477 EX	M-R 3760
Petroleum wax-resin base				Microcrystalline petroleum wax base			
243-248	244-249	241-246	231-236	262-267	260-265	258-263	260-265
235-240	215-220	210-215	170-175	240-245	225-230	171-176	250-255
6-7	6-7	8-9	7-8	13-15	15-16	16-17	15-16
12-13	7-8	10-11	8-9	17-19	20-22	21-23	17-19
42-44	10-12	34-36	25-27	32-34	33-36	34-37	20-22
Lt. Gray	Tan	Tan	Tan	Tan	Tan	Tan	Tan
275-300	300-325	275-300	285-310	285-310	275-300	275-300	300-350
1.05	1.00	1.00	1.00	0.93	0.93	0.93	0.90
70	103	76	85	44	42	42	41
435	490	400	400	520	520	520	500
Impregnating and dip-coating work requiring high drip melting point and high cold flow temperature							Moist., corona
Impregnating windings of iron-core transformers				Impregnating and dipping high-voltage coils, dip-coating small capacitors			
Good electrical properties		Stays hard at 115 F		Lower viscosity and lower cost than M-R 3732		These four waxes have uniformly high M. P. but vary in cold flow temp. M-R 3760 has good low-temp. flexibility; will not craze at -40 C; will not bleed at 100 C	

Diamond H	M-R 1316 EX	M-R 250 S.C.	M-R 1460 EX	M-R 2846	Leverite	Rubberseal No. 1	Rubberseal No. 2	Rubberseal No. 3	Rubberseal No. 4
Asphalt base without filler					Asphalt compound				
180-195	205-215	235-250	265-275	285-295	285-295	145-150	165-170	180-185	225-230
2-3	25-27	1-2	15-20	2	0	40-50	25-30	10-15	1-3
10-12	38-42	8-10	20-28	4	0.5	55-60	35-40	20-25	5-7
31-33	53-56	11-13	40-43	9-11	1.0	85-90	85-90	30-35	14-17
400	350	425	400	500	475	325	350	375	400
Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
1.01	1.00	1.03	1.00	1.03	1.00	1.01	1.01	1.02	1.03
500	480	475	475	610	570	400	410	415	430
Potting, screw hole filling and cementing sockets						Moisture proofing where flexibility and good adhesion are needed. Noncorrosive			
Potting small iron-core transformers and chokes						Potting iron-core transformers, sealing cable connections. First three also for storage battery seals			
Used when thermal conductivity is not a prime requisite but high melting point and low viscosity are desired						Dielectric strength is 700 volts per mil. Tough, rubbery, elastic, bituminous compounds			

M-R 1648 EX	M-R 1649 EX	M-R 1322 EX	M-R 1209 EX	M-R 2438	M-R 1303 EX	M-R 2199	M-R 3081	M-R 2835	M-R 773 EX	M-R 2867	M-R 2885
Syn. resin, mineral fill		Resin base with mineral filler			Natural resin base with mineral filler					Pitch base	Pitch base, min. fill
270-275	270-275				150-155	175-180	178-183	215-220			
275-280	285-290	174-178	182-186	220-225	172-176	180-185	198-202	253-258	185-190	220-225	210-215
410-460	390-440	325-350	300-350	375-400	350-375	375-400	350-375	400-425	325-350	400-425	425-450
Brown	Lt. Brown	Black	Green	Black	Black	Dk. Brown	Bl, Gray, R	W, R, Br, Bl	Dk. Br	Black	Black
Fair	Fair	Good	Satisf.	Fair	Good	Satisf.	Satisf.	Satisf.	Good	Good	Fair
0	0	0	0	0	0	0	0	0	0-1	0-1	0
1.41	1.41	1.57	1.52	1.50	1.63	1.69	1.58	1.72	1.51	1.16	1.51
520	520	410	415	420	415	410	410	420	430	400	465
Encasing by casting or low-press. mold.		Moisture proof seals		proof insulating		Poured insulating coverings over screw heads that might give a shock			Mineral-oil resistant seals for oil-filled units and for potting		
Encasing paper capacitors		Sealing tops of dry batteries		Screw hole fillers, cementing lamp sockets, and (except 2199) dry battery seals					Seals on oil-filled capacitors and transformers		
High impact strength. 1649 EX resists mineral oil		1322 EX has good moisture resistance, improved impact strength		Wide range of characteristics. 3081 is standard general-purpose battery sealing material			Mineral filler gives improved thermal conductivity				

RADIOACTIVE MATERIALS

Source	Half-life hours, days or years	Emission	Maximum Radiation Energy in million electron volts		Typical Applications
			α or β	γ -Ray	
Argon A ³⁷	34 d	β	K	—	Determining volatile constituents in distillation
Arsenic As ⁷⁶	26.8 h	β, γ	1.1, 1.7, 2.7	0.57, 1.25	Corrosion studies on arsenical brasses
Arsenic As ⁷⁷	40 h	β	0.8	—	
Barium Ba ¹³¹	12 d	β, γ	K, e ⁻	1.2	
Bismuth Bi ²¹⁰	5 d	β	1.17	—	
Bromium Br ⁸²	34 h	$\beta-, \gamma$	0.47	0.55, 0.78	Analysis of chemical mixtures
Calcium Ca ⁴¹	8.5 d	γ	—	1.1	
Calcium Ca ⁴⁵	180 d	$\beta-, \gamma$	0.2-0.9	0.7	Plant nutrition, bone formation; check efficiency of water purification, recovery of minerals, and concentration of sugar
Carbon C ¹⁴	5,300 y	$\beta-, \text{no } \gamma$	0.145	—	Cancer research, plant physiology; studying aging of metals, exchange reactions, distillation processes and crystallization
Cesium Cs ¹³⁴	2 y	β, γ	0.75	0.8	Check efficiency of water purification, recovery of minerals and concentration of sugar
Chlorine Cl ³⁶	1,000,000 y	β	0.66	—	Corrosion studies of stainless steel; analysis of mixtures
Cobalt Co ⁶⁰	5.3 y	$\beta-, \gamma$	0.3	1.1, 1.3	Detecting flaws in metals, plastics, welds
Copper Cu ⁶⁴	12.8 h	β	0.58+, 0.66-	—	Same as iron
Iodine I ¹³⁰	12.6 h	$\beta-, \gamma$	0.61-1.03	0.6	
Iodine I ¹³¹	8 d	$\beta-, \gamma$	0.6	0.37, 0.08	Plant hormones
Ionium Io	8.3×10^4 y	α, γ	4.66-4.81	—	
Iron Fe ⁵⁵	4 y	$\beta+$	0.15	—	Anemia; wear of bearings; thickness measurements; control of electroplating, rayon processing, and other chemical processes; tracing water pollution; inspection of welds; metallurgical research; diffusion research
Iron Fe ⁵⁹	44 d	β, γ	0.26, 0.46	1.1, 1.3	
Nickel Ni ⁵⁹	15 y	β	K	—	Electroplating and chemical process control; magnet research
Phosphorus P ³²	14 d	$\beta-, \text{no } \gamma$	1.7	—	Circulatory diseases, metabolism; steelmaking and adsorption research
Polonium Po ²¹⁰	140 d	α, β, γ	5.3 α , e ⁻ , 0.8 β	0.8	
Potassium K ⁴²	12.4 h	$\beta-$	3.5	—	Heart and nervous diseases; tracing toxic fumes
Radium Ra	1,590 y	α, γ	4.79	0.19	
Radium RaD	22 y	$\beta-, \gamma$	0.03	0.05	
Radium RaE	5.0 d	$\beta-$	1.17	—	Radiography, neutron sources, luminous dialstatic eliminators, radioactive resistors, measuring liquid levels, medical applications
Radium RaF	140 d	α, γ	5.3	—	
Radon Rn	3.85 d	α	5.49	—	
Sodium Na ²⁴	14.8 h	$\beta-, \gamma$	1.4	1.4, 2.8	Heart research, gangrene
Strontium Sr ⁸⁹	53 d	β	1.5	—	Dissipating static charges on machinery (Polonium now used commercially for this purpose)
Strontium Sr ⁹⁰	25 y	$\beta-, \text{no } \gamma$	0.6	—	
Sulphur S ³⁵	87 d	$\beta-$	0.17	—	Penicillin action; steelmaking research; adsorption and distillation studies
Titanium Ti ⁵¹	72 d	β, γ	0.36	1.0	Measuring Ti content of iron alloys
Tungsten W ¹⁸⁵	77 d	β	0.55	—	Tracing sources of water pollution; alloy research
Uranium U _I	4.51×10^8 y	α	4.15-4.23	—	Same as radium
Uranium UX _I	24.5 d	$\beta-, \gamma$	0.11-0.30	0.92	
Uranium U _{II}	2.69×10^6 y	α	4.71-4.78	—	
Zinc Zn ⁶⁵	250 d	$\beta+, \gamma$	0.4	0.45-1.14	
Zinc Zn ⁶⁹	13.8 h	γ	—	0.44	
Zirconium Zr ⁹⁵	65 d	β, γ	1.0, 0.39	0.73	



COMPILED BY THE RESEARCH DEPARTMENT OF ELECTRONICS

DIRECTORY SECTION OF THE 1949-1950 electronics BUYERS' GUIDE

In the preparation of **ELECTRONICS BUYERS' GUIDE**, every effort was made to insure the completeness and accuracy of the Directory listings according to the information provided by the manufacturers.

The listings were compiled from information provided by more than 3,000 companies manufacturing electronic or allied products and include all products that will be available in the coming year, insofar as the companies themselves can determine. The completeness and accuracy of the listings are entirely due to the helpful cooperation of these manufacturers.

Products are arranged and indexed in a simple, easy-to-find, telephone-book style. Names of Manufacturers who are advertisers in the **BUYERS' GUIDE** are bold-faced in the listings and page numbers of their advertisements are shown. This makes it possible to obtain complete information on products quickly and easily by referring to the advertising pages.

Several new product headings have been added. Due to lack of sufficient information, only manufacturers who were known are included under these new headings. Listings include an index of registered trade names and an alphabetical listing of all companies engaged in the manufacture of electronic components, complete equipment or allied products.

NOTE: *This punch-out tab is for your convenience in locating the Directory Section of this issue. Simply push out and fold under. It will then serve as a tab mark to indicate where the listings start.*

**PUSH OUT
AND FOLD**

Directory Section

Alphabetical Listings Of All COMPONENTS—COMPLETE UNITS—ALLIED PRODUCTS Used in Electronic Equipment for All Purposes

The complete product lines of more than 3,000 companies in electronic fields are arranged and indexed in the following listings in a simple, alphabetical, easy-to-use, telephone-book style.

Products are arranged alphabetically by the generic name followed by the descriptive or type name if there is one, as: **ADAPTERS—Battery**. For example: To find the manufacturers of wax impregnated capacitors you would turn to the generic heading **CAPACITORS**. Listed alphabetically under it you would find **CAPACITORS—Wax Impregnated**.

The only exceptions are: **INSULATION COMPOUNDS; INSULATION MATERIALS; INSULATION PARTS; METALS; PLASTIC MATERIALS; and TUBE PARTS**. Products in these classifications are arranged alphabetically under those six generic headings.

Cross references are provided wherever necessary to cover names, other than the standard one, that are sometimes used.

Advertisers in this issue are boldfaced with the page numbers of their advertisements shown.

ABRASIVES

Borden Co., Chemical Div., Durite Plastics, 5000 Summerdale Ave., Phila. 24, Pa.
Carborundum Co., The, Global Div., Niagara Falls, N. Y.
Do All Co., 254 No. Laurel Ave., Des Plaines, Ill.
Eraser Co., Inc., The, Industrial Products Div., 104 S. State St., Syracuse, N. Y.
Ideal Industries, Inc., Park & Borden Aves., Sycamore, Ill.
Linde Air Products Co., Unit of Union Carbide and Carbon Corp., 30 E. 42nd St., New York 17, N. Y.
Martindale Electric Co., Box 617, Edgewater Branch, Cleveland 7, Ohio
MICO INSTRUMENT CO., 80 Trowbridge St., Cambridge 38, Mass. SEE ADV. PG. 170.
Minnesota Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.
Norton Co., 1 New Bond St., Worcester 6, Mass.
Sittler Corporation, 18 N. Ada St., Chicago 7, Ill.
U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.

ACCELEROMETERS

Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
Calidyne Co., The, 751 Main St., Winchester, Mass.
Consolidated Engineering Corp., 620 N. Lake Ave., Pasadena 4, Calif.
Eclipse Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
Flight Research Engineering Corp., P. O. Box 1-F, Richmond 1, Va.
Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.
Hastings Instrument Co., Box 1275, Hampton, Va.
Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
Massa Laboratories, 3868 Carnegie St., Cleveland, Ohio
Miller Corp., Wm., 363 W. Colorado St., Pasadena, Calif.
Schottland, Frederick D., 104-18 Metropolitan Ave., Forest Hills, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
TRANS-SONICS, INC., Bedford Airport, Bedford, N. Y. SEE ADV. PG. 132.

ADAPTERS—Battery

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
Eby Inc., Hugh H., 4700 Stenton Ave., Phila. 44, Pa.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.

ADAPTERS—Foreign

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
Eagle Electric Mfg. Co., Inc., 23-10 Bridge Plaza S., Long Island City, N. Y.
Kulka Electric Mfg. Co., Inc., 30 South St., Mt. Vernon, N. Y.
Wood Electric Co., Inc., C. D., 70-17 83rd St., Glendale, N. Y.

ADAPTERS—Panoramic

PANORAMIC RADIO PRODUCTS, INC., 10 South Second Ave., Mt. Vernon, N. Y. SEE ADV. PG. 213.

ADAPTERS—Short Wave for Radio

ABC Radio Labs., 3334 N. New Jersey St., Indianapolis 5, Ind.
Aermotive Equipment Corp., 1632-8 Central St., Kansas City 10, Mo.
Radio Transceiver Labs., 116-23 Jamaica Ave., Richmond Hill 18, N. Y.
Waterproof Electric Co., 72 E. Verdugo Ave., Burbank, Calif.

ADAPTERS—Test

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
Industrial Devices, Inc., 22 State Road, Edgewater, N. J.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
Premier Instrument Corp., 52 W. Houston St., New York 12, N. Y.
Rice's Sons, Inc., Bernard, 325 Fifth Ave., New York 16, N. Y.
Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.
United Radio Mfg. Co., 191 Greenwich St., New York, N. Y.

ADAPTERS—Tube

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
J.F.D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
Precision Apparatus Co. Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

ADHESIVES

American Marietta Co. Adhesive, Resins & Chemical Div., 3400 13th Ave. S. W., Seattle 4, Wash.
American Products Mfg. Corp., Oleander & Dublin Sts., New Orleans 18, La.
American Resinous Chemical Co., 103 Foster St., Peabody, Mass.
Armstrong Cork Co., Lancaster, Pa.
Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.
Borden Co., The, Chemical Div., 350 Madison Ave., New York 17, N. Y.
Catalin Corp. of America, 1 Park Ave., New York 16, N. Y.
Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.
Dolph Co., John C., Monmouth Junction, N. J.
Durez Plastics & Chemicals Inc., 1921 Walek Rd., N. Tonawanda, N. Y.
du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.
General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
Goodyear Tire & Rubber Co., Inc., Chemical Div., 1144 Market St., Akron 16, Ohio
INSULATION MFRS. CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
Koppers Co., Inc., Chemical Div., Koppers Bldg., Pittsburgh 19, Pa.
Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.
Marbon Corp., Gary, Indiana
Minnesota Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.
Monsanto Chemical Co., Plastics Div., Springfield 2, Mass.
Paisley Products, Inc., 1770 Canalport Ave., Chicago 16, Ill.
Reichhold Chemicals, Inc., 601-707 Woodward Heights Blvd., Detroit 20, Mich.
Rohm & Haas Co., Washington Square, Phila 5, Pa.
Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
Technical Specialties Co., P. O. Box 1468, Wilmington, Del.
U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.

ADHESIVES—Waterproof & Corrosion Proof Compounds

American-Marietta Co., Adhesive, Resin & Chemical Div., 3400 13th Ave. SW., Seattle 4, Wash.
American Resinous Chemical Co., 103 Foster St., Peabody, Mass.
Armstrong Cork Co., Lancaster, Pa.
Borden Co., The Chemical Div., 350 Madison Ave., New York 17, N. Y.
Durez Plastics & Chemicals Inc., 1921 Walek Road, North Tonawanda, N. Y.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
Horn Co., Inc., A. C., 43-36 Tenth St., Long Island City 1, N. Y.
Insulative Co., 1 Broadway, New York, N. Y.
Koppers Co., Inc., Chemical Div., Koppers Bldg., Pittsburgh 19, Pa.
Paisley Products, Inc., 1770 Canalport Ave., Chicago 16, Ill.
Sauereisen Cements Co., Sauereisen Bldg., Pittsburgh 15, Pa.
U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
U. S. Stoneware Co., The, Akron 9, Ohio

AIR CLEANERS—Electrostatic

FERRANTI ELECTRIC INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

ALARM SYSTEMS

See Controls, Alarm System

ALPHA RAY SOURCES

See Isotopes

ALUMINUM OXIDE

See Insulation Materials

AMMETERS

See also Microammeters
Micro-Microammeters
Milliammeters

Assembly Products, Inc., Chagrin Falls 6, Ohio
Associated Research Inc., 3758 W. Belmont, Chicago 18, Ill.
Beebe Electrical Instrument Co., Inc., Penacook, N. H.
Bradshaw Instruments Co., 348 Livingston St., Brooklyn 17, N. Y.
Burlington Instrument Co., Burlington, Iowa
Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
Columbia Electric Mfg. Co., 4519 Hamilton Ave., N. E., Cleveland 14, Ohio
DeJur-Amsco Corp., Northern Blvd., at 45th St., Long Island City 1, N. Y.
Electric Auto-Lite Co., The, Toledo 1, Ohio
Electric Design & Mfg. Corp., Burlington, Iowa
Electro-Mechanical Instrument Co., 812 Chestnut St., Perkasie, Pa.
Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska
Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
FERRANTI ELECTRIC CO., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
Fluke Engineering Co., John, Box 755, Springdale, Conn.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
International Instruments Inc., 331 East St., New Haven 11, Conn.
J. B. T. INSTRUMENTS INC., 441 Chapel St., New Haven 8, Conn. SEE ADV. PG. 229.
Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
Martindale Electric Co., Box 617, Edgewater Branch, Cleveland 7, Ohio
Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
Norton Electrical Instrument Co., 59 Hilliard St., Manchester, Conn.
Rawson Electrical Instrument Co., 110 Potter St., Cambridge 42, Mass.
Reliance Instrument Co., 3027 W. Van Buren St., Chicago 12, Ill.
Roller-Smith, Bethlehem, Pa.
Sensitive Research Instrument Corp., 9 Elm Ave., Mt. Vernon, N. Y.

SHURITE METERS, 61 Hamilton St., New Haven 8, Conn. SEE ADV. PG. 225.
STERLING MFG. CO., 9205 Detroit Ave., Cleveland 2, Ohio. SEE ADV. PG. 232.
Stewart-Warner Electric Div., Stewart-Warner Corp., 1826 Diversey Pkwy., Chicago 14, Ill.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
Supreme, Inc., Greenwood, Miss.
Triplett Electrical Instrument Co., 286 Harmon Road, Bluffton, Ohio
U. S. Gauge Div., American Machine & Metals, Inc., Sellersville, Pa.
Wallace & Tiernan Products, Inc., Belleville 9, N. J.
Welch Scientific Co., W. M., 1515 Sedgwick St., Chicago 10, Ill.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

AMMETERS—r-f

Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
Assembly Products, Inc., Chagrin Falls 6, Ohio
Burlington Instrument Co., Burlington, Iowa
Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
Electric Design & Mfg. Corp., Burlington, Iowa
Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
International Instruments, Inc., 331 East St., New Haven 11, Conn.
Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
Roller-Smith, Bethlehem, Pa.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
Triplett Electrical Instrument Co., 286 Harmon Road, Bluffton, Ohio
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

AMPLIFIERS—Audio Frequency

Acme Electronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
Acro Products Co., 5330 Baltimore Ave., Phila. Pa.
Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa.
Airpax Products Co., 1024 Greenmount Ave., Baltimore 2, Md.
Allied Radio Corp., 833 W. Jackson Blvd., Chicago 7, Ill.
Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
American Communications Corp., 306 Broadway, New York 7, N. Y.
Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.
Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
Audar Inc., Argos, Indiana
Audio Equipment Co., 80-20 45th Ave., Elmhurst, N. Y.
AVIOMETER DIV. OF ROANWELL CORP., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
Barber & Howard, East Ave., Westerly, R. I.
Bardwell & McAlister, Inc., P. O. Box 1310, Hollywood, Calif.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
Bell Sound Systems, Inc., 555 Marion Rd., Columbus 7, Ohio
Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
Berndt-Bach Inc., 7377 Beverly Blvd., Los Angeles, Calif.
Bogen Co., David, 663 Broadway, New York 12, N. Y.

Brelco Electronics Corp., 55 Vandam St., New York 13, N. Y.
Brociner Electronics Lab., 1546 Second Ave., New York 28, N. Y.
Brook Electronics, Inc., 34 DeHart Place, Elizabeth, N. J.
BROWNING LABORATORIES, INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
Clarke Instrument Corp., 910 King St., Silver Spring, Md.
Collins Audio Products Co., P. O. Box 368, Westfield, N. J.
Collins Radio Co., Cedar Rapids, Iowa
Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
Commercial Radio Sound Corp., 575 Lexington Ave., New York 22, N. Y.
Commercial Research Labs., Inc., 20 Bartlett Ave., Detroit 3, Mich.
Communication Equipment & Engineering Co., 5646 W. Race St., Chicago 44, Ill.
Concord Radio Corp., 901 W. Jackson Blvd., Chicago 7, Ill.
Conn Ltd., C. G., Electronics Div., Elkhart, Ind.
Continental Electronics, Ltd., 252 Norman Ave., Brooklyn 22, N. Y.
Cook Laboratories, 139 Gordon Blvd., Floral Park, N. Y.
Dalmo Victor Co., San Carlos, Calif.
Dilks Co., Seymour, Conn.
Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 25, Mass.
Eckstein Radio & Television Co., LeRoy, Minn.
Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
Electro-Physical Labs., Inc., 290-8 Dyckman St., New York 34, N. Y.
ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.
Electronic Systems Co., 201 N. Wells St., Chicago 1, Ill.
Electronics Contracting Co., 122 Chambers St., New York 7, N. Y.
ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.
Electronic Systems Co., 201 N. Wells St., Chicago 1, Ill.
Electronics Contracting Co., 122 Chambers St., New York 7, N. Y.
Ellinwood Industries, 150 W. Slauson Ave., Los Angeles 3, Calif.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
Espey Mfg. Co., Inc., 528 E. 72nd St., New York 19, N. Y.
Executone, Inc., 415 Lexington Ave., New York 17, N. Y.

AMPLIFIERS—Audio Frequency

Fairchild Recording Equipment Corp., 154th St. & 7th Ave., Whitestone, N. Y.
Farmers' Engineering & Mfg. Co., 549 Brushton Ave., Pittsburgh, Pa.
Federal Instrument Corp., 1402 Broadway, Long Island City 2, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
FERRANTI ELECTRIC INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
Fidelity Amplifier Co., 1632 N. Halsted St., Chicago 14, Ill.
Fisher Radio Corp., 41 East 47th St., New York, N. Y.
Five Star Radio Co., 416 Broadway, Cambridge, Mass.
Furst Electronics, 10A S. Jefferson St., Chicago 6, Ill.
Gates Radio Co., Quincy, Ill.
Gaveco Labs. Inc., 2 East End Ave., New York 21, N. Y.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
Globe Phone Mfg. Co., 2 Linden St., Springfield, Mass.
Gray Mfg. Co., 16 Arbor St., Hartford, Conn.
Heath Co., Benton Harbor, Mich.
Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.
Hose-McCann Telephone Co., Inc., 25th St. & 3rd Ave., Brooklyn 32, N. Y.
Inductive Equipment Co., Gettysburg, Pa.
Islip Radio Mfg. Corp., Beech S., Islip, N. Y.
Kalbfell Labs. Inc., 1076 Morena Blvd., San Diego 10, Calif.

- Keithley Instruments, 1507 Warrensville Center Rd., Cleveland 21, Ohio
- Langevin Manufacturing Corp., 37 W. 65th St., New York 23, N. Y.
- LAVOIE LABORATORIES**, Morganville, N. J. SEE ADV. PG. 182.
- Lincophone Inc., 226 Lansing St., Utica, N. Y.
- Loge Sound Engineers, J. M., 2171 W. Washington Blvd., Los Angeles 7, Calif.
- Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
- Lynman Electronic Corp., 12 Cass St., Springfield, Mass.
- MacLeod & Hanopol, 10 Joiner St., Charlestown 29, Mass.
- M. P. Concert Installations, Fairfield 10, Conn.
- Magnavox Co., The, Components Div., Fort Wayne 4, Ind.
- Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
- Measurement Engineering Ltd., Arnprior, Ontario, Canada
- Meck Industries, John, Liberty at Pennsylvania, Plymouth, Ind.
- Mellaphone Corp., Rochester 2, N. Y.
- Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
- Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
- Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
- NATIONAL CO., INC.**, 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
- National Intercommunicating Systems, 1531 Devon Ave., Chicago 26, Ill.
- Network Mfg. Corp., Bayonne, N. J.
- Newcomb Audio Products Co., 6824 Lexington Ave., Hollywood 38, Calif.
- Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.
- Northeastern Engineering, Inc., Manchester, N. H.
- NORTHERN RADIO CO., INC.**, 143-145 W. 22nd St., New York 11, N. Y. SEE ADV. PGS. 153-155.
- Operadio Mfg. Co., 135th & Indiana Sts., St. Charles, Ill.
- Paravox Inc., 2058 E. 4th St., Cleveland, Ohio
- PICKERING & CO.**, 309 Woods Ave., Oceanside, L. I., N. Y. SEE ADV. PG. 130.
- Precision Electronics, 641 Milwaukee Ave., Chicago 22, Ill.
- Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
- PRESTO RECORDING CORP.**, Paramus, N. J. SEE ADV. PGS. 40, 41.
- RADIO CORP. OF AMERICA**, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
- Radio-Music Corp., East Port Chester, N. Y.
- Radio Development & Research Co., 26 Cornellson Ave., Jersey City, N. J.
- RADIO RECEPTOR CO.**, 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
- Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
- Rauland-Borg Corp., 4245 N. Knox Ave., Chicago 41, Ill.
- RAYTHEON MFG. CO.**, Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
- Regal Electronics Corp., 603 W. 130th St., New York 27, N. Y.
- Rek-O-Kut Co., Inc., 3801 Queens Blvd., Long Island City, N. Y.
- Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
- Riggs & Jeffreys, Inc., 140 Glenridge Ave., Montclair, N. J.
- Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
- Rowe Industries, 1702 Wayne St., Toledo 9, Ohio
- Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
- Sargent-Rayment Co., The, 212 9th St., Oakland 7, Cal.
- Schuttig & Co., Inc., 9th & Kearney Sts., N. E., Washington 17, D. C.
- Scott, Inc., Hermon Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
- Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.
- Setchell Carlson, 2233 University Ave., St. Paul, Minn.
- Sierra Electronic Corp., Belmont & San Carlos, Calif.
- Simpson Mfg. Co., Inc., Mark, 32-28 49 St., Long Island City 3, N. Y.
- Smith-Meeker Engineering Co., 125 Barclay St., New York 7, N. Y.
- Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
- Sonotone Corp., P. O. Box 200, Saw Mill River Rd., Elmsford, N. Y.
- Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
- Special Products Co., Silver Spring, Md.
- Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
- STANDARD TRANSFORMER CORP.**, Elston, Kedzie & Addison, Chicago 18, Ill. SEE ADV. PG. 207.
- Stark Sound Engineering Co., 2131 Fairfield, Fort Wayne 7, Ind.
- Stephens Mfg. Corp., 8538 Warner Drive, Culver City, Calif.
- Stromberg-Carlson Co., Rochester, N. Y.
- Talk-A-Phone Co., 1512 S. Pulaski Rd., Chicago 23, Ill.
- Tech-Master Products Co., 443-445 Broadway, New York 13, N. Y.
- Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
- Telephonics Corp., 350 W. 31st St., New York 1, N. Y.
- Television Projects, Inc., 3660 Coral Way, Miami 35, Fla.
- Televisto Products Inc., 7466 West Irving Park Rd., Chicago 34, Ill.
- Thermionic Engineering Corp., Pompton Plains, N. J.
- Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill.
- Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
- United Radio Electronics Corp., 901 W. Jackson Blvd., Chicago, Ill.
- UNITED TRANSFORMER CO.**, 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.
- Universal Broadcast Equipment Corp., 6035 Northwest Highway, Chicago 31, Ill.
- WATERMAN PRODUCTS CO.**, 2445-63 Emerald St., Philadelphia 25, Pa. SEE ADV. PG. 146.
- Waterproof Electric Co., 72 E. Verdugo Ave., Burbank, Calif.
- Webster Electric Co., 1900 Clark St., Racine, Wis.
- West Coast Electronics Co., 1601 S. Burlington St., Los Angeles 6, Calif.
- Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
- Western Electro-Acoustic Labs., 621 S. Spring St., Los Angeles 14, Calif.
- Western Sound & Electric Labs., Inc., 805 S. 5th St., Milwaukee 4, Wis.
- WESTINGHOUSE ELECTRIC CORP.**, P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 77.
- Weston Laboratories, Weston 93, Mass.
- Wilcox Electric Co., 1400 Chestnut St., Kansas City, Mo.
- Collins Audio Products Co., P. O. Box 368, Westfield, N. J.
- Collins Radio Co., Cedar Rapids, Iowa
- Commercial Radio Sound Corp., 575 Lexington Ave., New York 22, N. Y.
- Communicating Systems Inc., 203 E. 18th St., New York 3, N. Y.
- Concord Radio Corp., 901 W. Jackson Blvd., Chicago 7, Ill.
- Eckstein Radio & Television Co., Le Roy, Minn.
- Electronic Systems Co., 201 N. Wells St., Chicago 1, Ill.
- EL-TRONICS, INC.**, 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
- Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
- Fairchild Recording Equipment Corp., 154th St. & 7th Ave., Whitestone, N. Y.
- FEDERAL TELEPHONE AND RADIO CORP.**, 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
- Gates Radio Co., Quincy, Ill.
- GENERAL ELECTRIC CO.**, Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
- Godfrey Mfg. Co., 171 S. 2nd St., Milwaukee 4, Wis.
- Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.
- Inductive Equipment Co., Gettysburg, Pa.
- INDUSTRIAL ELECTRONICS, INC.**, 2457 Woodward Ave., Detroit 1, Mich. SEE ADV. PG. 226.
- Kalbfell Labs, Inc., 1076 Morena Blvd., San Diego 10, Calif.
- Langevin Manufacturing Corp., 37 W. 65th St., New York 23, N. Y.
- Lear, Inc., 110 Ionia Ave., NW, Grand Rapids 2, Mich.
- Loge Sound Engineers, J. M., 2171 W. Washington Blvd., Los Angeles 7, Calif.
- Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
- M. P. Concert Installations, Fairfield 10, Conn.
- Magnavox Co., The, Components Div., Fort Wayne 4, Ind.
- Measurement Engineering Ltd., Arnprior, Ontario, Canada
- Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
- Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
- National Intercommunicating Systems, 1531 Devon Ave., Chicago 26, Ill.
- Newcomb Audio Products Co., 6824 Lexington Ave., Hollywood 38, Calif.
- Northeastern Engineering, Inc., Manchester, N. H.
- NORTHERN RADIO CO., INC.**, 143-145 W. 22nd St., New York 11, SEE ADV. PGS. 153-155.
- Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
- RADIO CORP. OF AMERICA**, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
- Radio Development and Research Co., 26 Cornellson Ave., Jersey City, N. J.
- RAYTHEON MFG. CO.**, Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
- Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
- SOS Cinema Supply Corp., 602 W. 52nd St., New York 19, N. Y.
- Sandwick-Bowen Corp., 4712 Bethesda Ave., Bethesda, Md.
- Schuttig & Co., Inc., 9th & Kearney St., N. E., Washington 17, D. C.
- Scott, Inc., Hermon Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
- Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City 3, N. Y.
- Smith-Meeker Engineering Co., 125 Barclay St., New York 7, N. Y.
- Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
- Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
- Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
- Stark Sound Engineering Co., 2131 Fairfield, Fort Wayne 7, Ind.
- Stephens Mfg. Corp., 8538 Warner Drive, Culver City, Calif.
- Stromberg-Carlson Co., Rochester, N. Y.

Talk-A-Phone Co., 1512 Pulaski Rd., Chicago 23, Ill.
 Television Projects, Inc., 3660 Coral Way, Miami 35, Fla.
 Thermionic Engineering Corp., Pompton Plains, N. J.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 Universal Broadcast Equipment Corp., 6035 Northwest Highway, Chicago 31, Ill.
 Webster Electric Co., 1900 Clark St., Racine, Wis.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Western Sound & Electric Labs., Inc., 805 S. 5th St., Milwaukee 4, Wis.

AMPLIFIERS—Decade

BALLANTINE LABS, INC., Boonton, N. J. SEE ADV. PG. 134.
 Bardwell & McAlister, Inc., P. O. Box 1310, Hollywood, Calif.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
 Kalbfell Labs. Inc., 1076 Morena Blvd., San Diego 10, Calif.
 Keithley Instruments, 1507 Warrensville Center Rd., Cleveland 21, Ohio
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 M. P. Concert Installations, Fairfield 10, Conn.
 Radio-Music Corp., Port Chester, N. Y.

AMPLIFIERS—f-m & a-m Antenna

Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.
 Crystal Devices Co., Inc., 50 Mill Rd., Freeport, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Intra-Video Corp. of America, 851 Madison Ave., New York 21, N. Y.
 Jerrold Electronics, 121 N. Broad St., Phila., Pa.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio-Music Corp., Port Chester, N. Y.

AMPLIFIERS—Facsimile

Acme Electronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 McElroy, Mfg. Corp., Littleton, Mass.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Radio Inventions, Inc., 155 Perry St., New York 14, N. Y.
 Stewart-Warner Electric Div., Stewart-Warner Corp., 1826 Diversey Pkway, Chicago 14, Ill.

AMPLIFIERS—Keying

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Boehme Inc., H. O., 915 Broadway, New York, N. Y.
 Erco Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.
 Gates Radio Co., Quincy, Ill.
 Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.
 McElroy Mfg. Corp., Littleton, Mass.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Schuttig & Co., Inc., 9th & Kearney Sts., NE, Washington 17, D. C.
 Snuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.

AMPLIFIERS—Medical Instrument

American Radio Co., 611 E. Garfield Ave., Glendale Calif.
 Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
 Dallons Labs., 5066 Santa Monica Blvd., Los Angeles, Calif.
 Electro-Medical Lab., Inc., Holliston, Mass.
 Electro-Physical Labs., Inc., 290-8 Dyckman St., New York 34, N. Y.
 Electrofax Corp., 30 Burtis Ave., New Canaan, Conn.
 Electronic Engineers, 1039 B Pacific St., Santa Monica, Calif.
 Electronic Tube Corp., 1200 E. Mermaid Ave., Phila. 18, Pa.
 Farrand Optical Co., Inc., Bronx Blvd. at 238th St., New York 66, N. Y.
 Fidelity Amplifier Co., 1632 No. Halsted St., Chicago 14, Ill.
 Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
 Inductograph Laboratory, Box 76, Brookfield, Conn.
LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.
 Lektra Labs., 30 E. 10th St., New York, N. Y.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Manning, Maxwell & Moore, Inc., 11 Elias St., Bridgeport 2, Conn.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 O'Connor & Co., John T., West Orange, N. J.
PERMOFLUX CORP., 4900 W. Grand Ave., Chicago, Ill. SEE ADV. PG. 230.
 Photocon Research Products, 1062 N. Allen Ave., Pasadena 7, Calif.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 Radiation Counter Laboratories, Inc., 1844 W 21st St., Chicago 8, Ill.
RAHM INSTRUMENTS, INC., 12 West Broadway, New York 7, N. Y. SEE ADV. PG. 222.
RESEARCH ELECTRONICS LAB., 2459 Susquehanna Rd., Roslyn, Pa. SEE ADV. PG. 233.
SANBORN CO., 39 Osborn St., Cambridge 39, Mass. SEE ADV. PG. 30.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
 Webster Engineering Co., 105 Tenth St., N. E., Cedar Rapids, Iowa

AMPLIFIERS—Microwave Radar

DeMornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Leru Laboratories, Inc., 360 Bleecker St., New York 14, N. Y.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
POLARAD ELECTRONICS CO., 9 Ferry St., New York 7, N. Y. SEE ADV. PG. 228.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.

Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.
 Submarine Signal Div., Raytheon Mfg. Co., Waltham, Mass.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.

AMPLIFIERS—Musical Instrument

Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa.
 Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
 Audar Inc., Argos, Indiana
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
 Bardwell & McAlister, Inc., P. O. Box 1310, Hollywood, Calif.
 Bell Sound Systems, Inc., 555 Marion Rd., Columbus 7, Ohio
 Conn Ltd., C. G., Electronics Div., Elkhart, Ind.
 Electronic Engineers, 1039 B Pacific St., Santa Monica, Calif.
 Electronic Systems Co., 201 N. Wells St., Chicago 1, Ill.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Farmers' Engineering & Mfg. Co., 549 Brushton Ave., Pittsburgh, Pa.
 Heath Co., Benton Harbor, Mich.
 Magnavox Co., The, Components Div., Fort Wayne 4, Ind.
 Meck Industries, John, Liberty at Pennsylvania, Plymouth, Ind.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 Newcomb Audio Products Co., 6824 Lexington Ave., Hollywood 38, Calif.
 Operadio Mfg. Co., 135th & Indiana Sts., St. Charles, Ill.
 Rowe Industries, 1702 Wayne St., Toledo 9, Ohio
 Sandwick-Bowen Corp., 4712 Bethesda Ave., Bethesda, Md.
 Scott, Inc., Herman Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
 Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City, N. Y.
 Special Products Co., Silver Spring, Md.
 Stark Sound Engineering Co., 2131 Fairfield, Fort Wayne 7, Ind.
 Stromberg-Carlson Co., Rochester, N. Y.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill.
 Universal Broadcast Equipment Corp., 6035 Northwest Highway, Chicago 31, Ill.
 Valco Mfg. Co., 4700 W. Walton St., Chicago 51, Ill.
 Western Sound & Electric Labs., Inc., 805 S. 5th St., Milwaukee 4, Wis.
 Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.

AMPLIFIERS—Peak Limiting

Acme Electronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
 Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
 Bardwell & McAlister, Inc., P. O. Box 1310, Hollywood, Calif.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Collins Radio Co., Cedar Rapids, Iowa
 Electronic Engineers, 1039 B Pacific St., Santa Monica, Calif.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
 Erco Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

Gates Radio Co., Quincy, Ill.
 Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
 Newcomb Audio Products Co., 6824 Lexington Ave., Hollywood 38, Calif.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Development & Research Co., 26 Cornellson Ave., Jersey City, N. J.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Schuttig & Co., Inc., 9th & Kearney Sts., N. E., Washington 17, D. C.
 Thermionic Engineering Corp., Pompton Plains, N. J.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 509 W. Huron St., Chicago 10, Ill.
 Wilcox Electric Co., 1400 Chestnut St., Kansas City, Mo.

AMPLIFIERS—Photocell

Acne Electronix Div. of NEA Service, Inc., W. Third & Lakeside, Cleveland 13, Ohio
 Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa.
 Airlectron, P.O. Box 151, Caldwell, N. J.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
 Autotron Co., The, Danville, Ill.
 Bardwell & McAlister, Inc., P. O. Box 1310, Hollywood, Calif.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
 Federal Instrument Corp., 1402 Broadway, L. I. City 2, N. Y.
 Fidelity Amplifier Co., 1632 No. Halsted St., Chicago 14, Ill.
FORD INSTRUMENT CO., INC., 31-10 Thomson Ave., L. I. City 1, N. Y. SEE ADV. PG. 90.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Hoffman Engineering Corp., Anoka, Minn.
 Inductive Equipment Co., Gettysburg, Pa.
 Machine-O-Matic, Inc., P. O. Box 238, Ashley, Ohio
 Manning, Maxwell & Moore, Inc., 11 Elias St., Bridgeport 2, Conn.
 McElroy Mfg. Corp., Littleton, Mass.
 Mellaphone Corp., Rochester 2, N. Y.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 Moulic Specialties Co., 1005-1007 W. Washington St., Bloomington, Ill.
 Newcomb Audio Products Co., 6824 Lexington Ave., Hollywood 38, Calif.
 O'Connor & Co., John T., West Orange, N. J.
 Pho Tron Instrument Co., 5713 Euclid Ave., Cleveland, Ohio
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Precision Electronics, 641 Milwaukee Ave., Chicago 22, Ill.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City 3, N. Y.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Stark Engineering Co., 2131 Fairfield, Fort Wayne 7, Ind.
 Tech Laboratories, Inc., Bergen & Edsall Blvd., Palisades Park, N. J.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 509 W. Huron St., Chicago 10, Ill.
 Wilson & Co., G. C., 2 N. Passaic Ave., Chatham, N. J.

AMPLIFIERS—Power

Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa.
 Alden Products Co., 117 N. Main St., Brockton, Mass.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York, 19, N. Y.
 Bardwell & McAlister, Inc., P. O. Box 1310, Hollywood, Calif.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Collins Audio Products Co., P. O. Box 368, Westfield, N. J.
 Collins Radio Co., Cedar Rapids, Iowa
 Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
 Electronic Systems Co., 201 N. Wells St., Chicago 1, Ill.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Executone, Inc., 415 Lexington Ave., New York 17, N. Y.
 Fairchild Recording Equipment Corp., 154th St. & 7th Ave., Whitestone, N. Y.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
 Fidelity Amplifier Co., 1632 No. Halsted St., Chicago 14, Ill.
FORD INSTRUMENT CO., INC., 31-10 Thomson Ave., L. I. C. 1, N. Y. SEE ADV. PG. 90.
 Gates Radio Co., Quincy, Ill.
 Heath Co., Benton Harbor, Mich.
 Hoffman Engineering Corp., Anoka, Minn.
 Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.
 La Magna Mfg. Co., Inc., E. Rutherford, N. J.
 Loral Electronics Corp., 794 E. 140 St., New York 54, N. Y.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 Newcomb Audio Products Co., 6824 Lexington Ave., Hollywood 38, Calif.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio-Music Corp., Port Chester, N. Y.
RADIO RECEPTOR CO., 251 W. 19th St., New York, N. Y. SEE ADV. PGS. 162, 163.
 Riggs & Jeffreys, Inc., 140 Glenridge Ave., Montclair, N. J.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Servomechanisms Inc., 142 Mineola Blvd., Mineola, N. Y.
 Sierra Electronic Corp., Belmont & San Carlos, Calif.
 Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City 3, N. Y.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
SPENCER-KENNEDY LABS., INC., 186 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PG. 208.
 Stephens Mfg. Corp., 8538 Warner Drive, Culver City, Calif.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 509 W. Huron St., Chicago 10, Ill.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 Western Sound & Electric Labs., Inc., 805 S. 5th St., Milwaukee 4, Wis.
 West Coast Electronics Co., 1601 S. Burlington St., Los Angeles 6, Calif.

AMPLIFIERS—r-f

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Clarke Instrument Corp., 910 King St., Silver Spring, Md.
 Communication Measurements Lab., Inc., 120 Greenwich St., New York, N. Y.
 Conn Ltd., C. G., Electronics Div., Elkhart, Ind.
 Dallons Labs., 5066 Santa Monica Blvd., Los Angeles, Calif.
 Electronic Systems Co., 201 N. Wells St., Chicago 1, Ill.

EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
 Erco Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
 Ferris Instrument Co., 110 Cornelia St., Boonton, N. J.
 Gates Radio Co., Quincy, Ill.
 Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.
 Hose-McCann Telephone Co., Inc., 25th St. & 3rd Ave., Brooklyn 32, N. Y.
 Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
 Jerrold Electronics, 121 N. Broad St., Phila., Pa.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Orthon Corp., The, Electronic Div., 196 Albion Ave., Paterson 2, N. J.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Craftsmen, Inc., 1341 S. Michigan Ave., Chicago 5, Ill.
RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Sierra Electronic Corp., Belmont & San Carlos, Calif.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
SPENCER-KENNEDY LABS., INC., 186 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PG. 208.
STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
 Tech-Master Products Co., 443-445 Broadway, New York 13, N. Y.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Thermionic Engineering Corp., Pompton Plains, N. J.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 U. S. Electronics Corp., 275 Warren St., Lyndhurst, N. J.
 West Coast Electronics Co., 1601 S. Burlington St., Los Angeles 6, Calif.
 Western Sound & Electric Labs., Inc., 805 S. 5th St., Milwaukee 4, Wis.
WESTINGHOUSE ELECTRIC CORP., P.O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

AMPLIFIERS—Strain Gage

BALLANTINE LABS., INC., Boonton, N. J. SEE ADV. PG. 134.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Commercial Research Labs., Inc., 20 Bartlett Ave., Detroit 3, Mich.
 Consolidated Engineering Corp., 620 N. Lake Ave., Pasadena 4, Calif.
ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.
 Electro-Physical Labs., Inc., 290-8 Dyckman St., New York 34, N. Y.
 Electronic Tube Corp., 1200 E. Mermaid Ave., Phila. 18, Pa.
 Engineering Lab., Inc., 602 E. 4th St., Tulsa 3, Okla.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
INDUSTRIAL ELECTRONICS, INC., 2457 Woodward Ave., Detroit 1, Mich. SEE ADV. PG. 226.
 MacLeod & Hanopol, 10 Joiner St., Charlestown 29, Mass.
 Manning, Maxwell & Moore, Inc., 11 Elias St., Bridgeport 2, Conn.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.

Miller Corp., Wm., 362 W. Colorado St., Pasadena, Calif.
 Moulic Specialties Co., 1005-1007 W. Washington St., Bloomington, Ill.
 O'Connor, & Co., John T., West Orange, N. J.
RAHM INSTRUMENTS, INC., 12 West Broadway, New York 7, N. Y. SEE ADV. PG. 222.
 Ruge-DE Forest, Inc., 76 Massachusetts Ave., Cambridge 39, Mass.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
 Televiso Products Inc., 7644 West Irving Park Rd., Chicago, Ill.
WATERMAN PRODUCTS CO., 2445-63 Emerald St., Philadelphia 25, Pa. SEE ADV. PG. 146.
 Wilson & Co., G. C., 2 N. Passaic Ave., Chatham, N. J.

AMPLIFIERS—Television

Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Decimeter Inc., 1430 Market St., Denver 2, Colo.
 Douglas Radio Labs., 40 Wayland St., Boston 25, Mass.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
 Five Star Radio Co., 416 Broadway, Cambridge, Mass.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.
 Intra Video Corp. of America, 851 Madison Ave., New York 21, N. Y.
 Jerrold Electronics, 121 N. Broad St., Phila., Pa.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Lynam Electronic Corp., 12 Cass St., Springfield, Mass.
 Magnavox Co., The Components Div., Fort Wayne 4, Ind.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
POLARAD ELECTRONICS CO., 9 Ferry St., New York 7, N. Y. SEE ADV. PG. 228.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.
 Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City 3, N. Y.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Snaider Television Corp., 540 Bushwick Ave., Brooklyn 6, N. Y.
SPENCER-KENNEDY LABS., INC., 186 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PG. 208.
 Tech-Master Products Co., 443-445 Broadway, New York 13, N. Y.
 Telegrip Radio Co., 1901 S. Washtenaw, Chicago, Ill.
 Television Equipment Corp., 238 William St., New York 7, N. Y.
 Television Projects, Inc., 3660 Coral Way, Miami 35, Fla.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
TRANSVISION INC., 460 North Ave., New Rochelle, N. Y. SEE ADV. PG. 172.
 U. S. Electronics Corp., 275 Warren St., Lyndhurst, N. J.

AMPLIFIERS—Ultrasonic

Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Communication Accessories Co., Box 345 110th St. & Hillcrest Rd., Hickman Hills, Missouri
 Crystal Research Labs., Inc., 29 Allyn St., Hartford, Conn.

Edo Corp., College Point, Long Island, N. Y.
 Kalbfell Labs., Inc., 1076 Morena Blvd., San Diego 10, Calif.
 Keithley Instruments, 1507 Warrensville Center Rd., Cleveland 21, Ohio
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Development & Research Co., 26 Cornellson Ave., Jersey City, N. J.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Triplett & Barton, Inc., 831 N. Lake St., Burbank, Calif.
 Western Sound & Electric Labs., Inc., 805 S. 5th St., Milwaukee 4, Wis.
 Westline Electronics Co., 11660 Olympic Blvd., Los Angeles 25, Calif.

AMPLIFIERS—Vibration Pickup

Autotron Co., The, Danville, Ill.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Calidyne Co., The, 751 Main St., Winchester, Mass.
CENTURY GEOPHYSICAL CORP., Tulsa 3, Oklahoma. SEE ADV. PG. 164.
 Commercial Research Labs., Inc., 20 Bartlett Ave., Detroit 3, Mich.
 Consolidated Engineering Corp., 620 N. Lake Ave., Pasadena 4, Calif.
 Electro-Physical Labs., Inc., 290-8 Dyckman St., New York 34, N. Y.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
EL-TRONICS INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Hathaway Instrument Co., 1315 S. Clark St., Denver 10, Colo.
 Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Miller Corp., William, 362 W. Colorado St., Pasadena, Calif.
 Newcomb Audio Products Co., 6824 Lexington Ave., Hollywood 38, Calif.
 Offner Electronics Inc., 5320 N. Kedzie Ave., Chicago 25, Ill.
PICKERING & CO., 309 Woods Ave., Oceanside, L. I., N. Y. SEE ADV. PG. 130.
 Radio-Music Corp., Port Chester, N. Y.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
RAHM INSTRUMENTS, INC., 12 W. Broadway, New York 7, N. Y. SEE ADV. PG. 222.
 Scott Inc., Herman Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Televiso Products Inc., 7466 West Irving Park Rd., Chicago 34, Ill.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill.
WESTINGHOUSE ELECTRIC CORP., P.O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

AMPLIFIERS—Wideband

American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
BALLANTINE LABS., INC., Bounton, N. J. SEE ADV. PG. 134.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.

Communication Measurements Lab., Inc., 120 Greenwich St., New York, N. Y.
EL-TRONICS INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
 Five Star Radio Co., 416 Broadway, Cambridge, Mass.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
INDUSTRIAL ELECTRONICS, INC., 2457 Woodward Ave., Detroit 1, Mich. SEE ADV. PG. 226.
 Kalbfell Labs., Inc., 1076 Morena Blvd., San Diego 10, Calif.
 Network Mfg. Corp., Bayonne, N. J.
POLARAD ELECTRONICS CO., 9 Ferry St., New York 7, N. Y. SEE ADV. PG. 228.
 Press Wireless Mfg. Co., Inc., Cantigue Rd., Hicksville, L. I., N. Y.
 Radar Engineers, 110 University St., Seattle 1, Wash.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio-Music Corp., Port Chester, N. Y.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.
SPENCER-KENNEDY LABS., INC., 186 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PG. 208.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Stromberg-Carlson Co., Rochester, N. Y.
 Television Equipment Corp., 238 William St., New York 7, N. Y.
 Thermionic Engineering Corp., Pompton Plains, N. J.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Weston Laboratories, Weston 93, Mass.

ANALYZERS—Audio Amplifier

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Coastwise Electronics Corp., Inc., 130 Beaudry Ave., Los Angeles, Calif.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
 M. P. Concert Installations, Fairfield 10, Conn.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
PANORAMIC RADIO PRODUCTS, INC., 10 South Second Ave., Mt. Vernon, N. Y. SEE ADV. PG. 213.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

ANALYZERS—Capacitor

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass.
CORNELL-DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., South Plainfield, N. J. ADV. PG. 87.
 Electric Heat Control Co., The, 9123 Inman Ave., Cleveland 5, Ohio
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Heath Co., Benton Harbor, Mich.
 Jackson Electrical Instrument Co., 16 S. Patterson Blvd., Dayton 1, Ohio
 Kalbfell Labs., Inc., 1076 Morena Blvd., San Diego 10, Calif.
 McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada

Network Mfg. Corp., Bayonne, N. J.
Solar Mfg. Corp., 1445 Hudson Blvd., North Bergen, N. J.
Thermionic Engineering Corp., Pompton Plains, N. J.

ANALYZERS—Circuit

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
Amerline, 1753 N. Honore St., Chicago 22, Ill.
Bradshaw Instruments Co., 348 Livingston St., Brooklyn 17, N. Y.
Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska
Electric Heat Control Co., The, 9123 Inman Ave., Cleveland 5, Ohio
Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
Measurement Engineering Ltd., Arnprior, Ontario, Canada
Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
Philco Corp., Tioga & C Sts., Phila. 34, Pa.
Precision Apparatus Co., Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

ANALYZERS—Frequency

Biddle Co., James G., 1316 Arch St., Phila. 7, Pa.

ANALYZERS—Gas

Applied Physics Corp., 40 South Oak Knoll Ave., Pasadena 1, Calif.
Consolidated Engineering Corp., 620 N. Lake Ave., Pasadena 4, Calif.
Electric Heat Control Co., The, 9123 Inman Ave., Cleveland 5, Ohio
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
Gow-Mac Instrument Co., 22 Lawrence St., Newark 5, N. J.
La Magna Mfg. Co., Inc., East Rutherford, N. J.
Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
National Technical Lab., 820 Mission St., S. Pasadena, Calif.
Perkin-Elmer Corp., Glenbrook, Conn.
Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
Rubicon Co., 3751 Ridge Ave., Phila., Pa.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

ANALYZERS—Harmonic

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
Measurement Engineering Ltd., Arnprior, Ontario, Canada
MICO INSTRUMENT CO., 80 Trowbridge St., Cambridge 38, Mass. SEE ADV. PG. 170.
PANORAMIC RADIO PRODUCTS, INC., 10 South Second Ave., Mt. Vernon, N. Y. SEE ADV. PG. 213.
Scott Inc., Hermon Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

ANALYZERS—Intermodulation

Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
Furst Electronics, 10A S. Jefferson St., Chicago 6, Ill.
Measurement Engineering Ltd., Arnprior, Ontario, Canada
PANORAMIC RADIO PRODUCTS, INC., 10 South Second Ave., Mt. Vernon, N. Y. SEE ADV. PG. 213.
PICKERING & CO., 309 Woods Ave., Oceanside, L. I., N. Y. SEE ADV. PG. 130.
Scott Inc., Hermon Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
Sierra Electronic Corp., Belmont & San Carlos, Calif.
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

ANALYZERS—Microwave Radar

ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
Microwave Equipment Co., North Caldwell, N. J.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

ANALYZERS—Noise

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
PANORAMIC RADIO PRODUCTS, INC., 10 South Second Ave., Mt. Vernon, N. Y. SEE ADV. PG. 213.
Scott, Inc., Hermon Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
Sierra Electronic Corp., Belmont & San Carlos, Calif.
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

ANALYZERS—Spectrum

Applied Physics Corp., 40 South Oak Knoll Ave., Pasadena 1, Calif.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.

Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
National Technical Lab., 820 Mission St., S. Pasadena, Calif.
PANORAMIC RADIO PRODUCTS, INC., 10 South Second Ave., Mt. Vernon, N. Y. SEE ADV. PG. 213.
Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

ANALYZERS—Surface Analyzers & Comparators

Bausch & Lomb Optical Co., 635 St. Paul St., Rochester 2, N. Y.
BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
O'Connor & Co., John T., West Orange, N. J.
Pho Tron Instrument Co., 5713 Euclid Ave., Cleveland, Ohio

ANALYZERS—Vibration

Aircraft Electronics Associates, Inc., 1031 New Britain Ave., Hartford 10, Conn.
Consolidated Engineering Corp., 620 N. Lake Ave., Pasadena 4, Calif.
Electro Products Labs., Inc., 549 W. Randolph St., Chicago 6, Ill.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
M. B. MFG. CO., 1060 State St., New Haven 11, Conn. SEE ADV. PG. 221.
PANORAMIC RADIO PRODUCTS, INC., 10 South Second Ave., Mt. Vernon, N. Y. SEE ADV. PG. 213.
Scott, Inc., Hermon Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
Sheffield Corp., The, Dayton 1, Ohio
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
Telesivo Products Inc., 7466 West Irving Park Road, Chicago 34, Ill.
Vibroscope Co., 6 East 39th St., New York 16, N. Y.
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

ANALYZERS—Wave

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
Measurement Engineering Ltd., Arnprior, Ontario, Canada
PANORAMIC RADIO PRODUCTS, INC., 10 South Second Ave., Mt. Vernon, N. Y. SEE ADV. PG. 213.
RAHM INSTRUMENTS, INC., 12 W. Broadway, New York 7, N. Y. SEE ADV. PG. 222.
Telesivo Products Inc., 7466 W. Irving Pk. Rd., Chicago 34, Ill.

ANCHORS—Screw or Bolt

Alden Products Co., 117 N. Main St., Brockton 64, Mass.
ALLMETAL SCREW PRODUCTS CO., INC., 33 Greene St., New York 13, N. Y. SEE ADV. PG. 32.
 Arro Expansion Bolt Co., Boone Ave., Marion, Ohio
 Chicago Expansion Bolt Co., 1338 W. Concord Place, Chicago 22, Ill.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
 Oak Ridge Antennas Div. of Video Television, Inc., 239 E. 127th St., New York 35, N. Y.
 Prestole Corp., 3119 Bellevue Rd., Toledo 6, Ohio
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.

ANTENNA DRAG UNITS

Aeronautical Radio Mfg. Co., 155 First St., Mineola, N. Y.

ANTENNA FAIRLEADS

Aeronautical Radio Mfg. Co., 155 First St., Mineola, N. Y.
 Telephonics Corp., 350 W. 31st St., New York, N. Y.

ANTENNA FEED SYSTEMS

Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Communication Products Co., Inc., Broadway & Clark St., Keyport, N. J.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 General Ceramics & Steatite Corp., Keasbey, N. J.
 Intra Video Corp. of America, 851 Madison Ave., New York 21, N. Y.
 Johnson Co., E. F., Waseca, Minn.
 Knights Co., James, 131 S. Wells St., Sandwich, Ill.
 Oak Ridge Antennas Div. of Video Television, Inc., 239 E. 127th St., New York 35, N. Y.
 Radio Development & Research Co., 26 Cornellson Ave., Jersey City, N. J.
 Rice's Sons Inc., Bernard, 325 Fifth Avenue, New York 16, N. Y.
 Wheeler Laboratories, Incorporated, 259-09 Northern Blvd., Great Neck, N. Y.
 Workshop Associates, Inc., 66 Needham Street, Newton Highlands 61, Mass.

ANTENNA KITS

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Aeronautical Radio Mfg. Co., 155 First St., Mineola, N. Y.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.
 Channel Master Co., Ellenville, N. Y.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.

Electronic Indicator Corp., 53 Wyckoff St., Brooklyn, N. Y.
 Federal Engineering Co., 37 Murray St., New York 7, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Heath Co., Benton Harbor, Mich.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Interstate Mfg. Corp., 138 Sussex Ave., Newark 4, N. J.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Johnson Co., E. F., Waseca, Minn.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Magnavox Co. The, Components Div., Fort Wayne 4, Ind.
 Multi-Products Tool Co., 123 Sussex Ave., Newark 4, N. J.
 National Electronic Mfg. Corp., 35-05 36th St., Long Island City 5, N. Y.
 Network Mfg. Corp., Bayonne, N. J.
 Oak Ridge Antennas Div. of Video Television, Inc., 239 E. 127th St., New York 35, N. Y.
 Orthton Corp., The, Electronic Div., 196 Albion Ave., Paterson 2, N. J.
PREMAX PRODUCTS DIV., Chisholm-Ryder Co., Inc., Niagara Falls 2, N. Y. SEE ADV. PG. 44.
 Radiart Corp., The, 3571 W. 62nd St., Cleveland, Ohio
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Shur-Antenna Mount Inc., Sea Cliff, N. Y.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Technical Appliance Corp., Sherburne, N. Y.
TRANSVISION INC., 460 North Ave., New Rochelle, N. Y. SEE ADV. PG. 172.
 Tricraft Products Co., 1535 N. Ashland Ave., Chicago 22, Ill.
 Ward Products Corp., Div. of the Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio
 Wind Turbine Co., Tower & Antenna Div., E. Market St. & Penna. R. R., West Chester, Pa.
 Workshop Associates, Inc., 66 Needham St., Newton Highlands 61, Mass.

ANTENNA MECHANICAL DRIVES

Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Foote Bros. Gear & Machine Corp., 4545 S. Western Blvd., Chicago 9, Ill.
 Gadgets Inc., 3629 N. Dixie Drive, Dayton 5, Ohio
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Johnson Co., E. F., Waseca, Minn.
 Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
 Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
ROBINETTE CO., W. C., 802 Fair Oaks Ave., South Pasadena, Calif. SEE ADV. PG. 204.
 Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.
 Vendo Co., 7400 E. 12th St., Kansas City, Mo.
 Ward Products Corp., Div. of the Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio
 Workshop Associates, Inc., 66 Needham Street, Newton Highlands 61, Mass.

ANTENNA PEDESTALS — Gear Driven Radar

Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Dalmo Victor Co., San Carlos, Calif.
 DeMornay-Budd, Inc., 475 Grand Concourse, New York 51, N. Y.
 Foote Brothers Gear & Machine Corp., 4545 S. Western Blvd., Chicago 9, Ill.
 Microwave Equipment Co., North Caldwell, N. J.
 Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
ROBINETTE CO., W. C., 802 Fair Oaks Ave., South Pasadena, Calif. SEE ADV. PG. 204.

Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Submarine Signal Div., Raytheon Mfg. Co., Waltham, Mass.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

ANTENNA REELS

Aeronautical Radio Mfg. Co., 155 First St., Mineola, N. Y.
 Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.
 Multi-Products Tool Co., 123 Sussex Ave., Newark 4, N. J.
 REF Mfg. Corp., Jericho Turnpike, Mineola, N. Y.

ANTENNA REFLECTORS — Radar Parabolic

Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
 Breeze Corpns., Inc., 41 S. Sixth St., Newark 7, N. J.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Dalmo Victor Co., San Carlos, Calif.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Gorham Co., Bronze Div., Providence 7, R. I.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Microwave Equipment Co., North Caldwell, N. J.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 REF Mfg. Corp., Jericho Turnpike, Mineola, N. Y.
 Rice's Sons, Inc., Bernard 325 Fifth Ave., New York 16, N. Y.
 Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Submarine Signal Div., Raytheon Mfg. Co., Waltham, Mass.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Teiner Engineering Corp., 115 Madison St., Malden 48, Mass.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Workshop Associates, Inc., 66 Needham Street, Newton Highlands 61, Mass.

ANTENNA—Rotators

Alliance Manufacturing Co., The, Alliance, Ohio
PREMAX PRODUCTS DIV., Chisholm-Ryder Co., Inc., Niagara Falls 2, N. Y. SEE ADV. PG. 44.
 Radiart Corp., The, 3571 W. 62nd St., Cleveland, Ohio
 Workshop Associates Inc., The, 66 Needham St., Newton Highlands 61, Mass.

ANTENNA TOWERS & SUPPORTS

American Bridge Co., U. S. Steel Corp. Sub., Frick Bldg., Pittsburgh, Pa.
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
 Blaw-Knox Co., Farmers Bank Bldg., Pittsburgh, Pa.
 Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.
 Easy-Up Tower Co., 3800 Kinzie Ave., Racine, Wis.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 International Derrick & Equipment Co., 875 Michigan Ave., Columbus 8, Ohio
J.F.D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.

La Magna Mfg. Co., Inc., East Rutherford, N. J.
 La Pointe-Plascomold Corp., Unionville, Conn.
 Lehigh Structural Steel Co., 17 Battery Pl., New York 4, N. Y.
 Lingo & Son, Inc., John E., 28th St. & Buren Avenue, Camden, N. J.
 Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
 Lyte Parts Co., 312 Park Ave., Plainfield, N. J.
 Oak Ridge Antennas Div. of Video Television, Inc., 239 E. 127th St., New York 35, N. Y.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 REF Mfg. Corp., Jericho Turnpike, Mineola, N. Y.
 Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio
 Rostan Corp., 202 E. 44th St., New York 17, N. Y.
 Sewell, Inc., Norman M., Susquehanna at Derstine, Lansdale, Pa.
 Truscon Steel Co., Youngstown, Ohio
 Wincharger Corp., E. 7th & Division Sts., Sioux City, Iowa
 Wind Turbine Co., Tower & Antenna Div., E. Market St. & Penna. R.R., West Chester, Pa.

ANTENNA TUNING UNITS

Aeronautical Communications Equipment, Inc., 3090 Douglas Rd., Miami 33, Fla.
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Collins Radio Co., Cedar Rapids, Iowa
 Continental Electronic Mfg. Co., 1728 Wood St., Dallas, Texas
 Crystal Devices Co., Inc., 50 Mill Rd., Freeport, N. Y.
 Ereo Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 General Ceramics & Steatite Corp., Keasbey, N. J.
 Johnson Co., E. F., Waseca, Minn.
 La Pointe-Plascomold Corp., Unionville, Conn.
NORTHERN RADIO CO., 143-145 W. 22nd St., New York 11, N. Y. SEE ADV. PGS. 153-155.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RADIO RECEPTOR CO., 151 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
 Sierra Electronic Corp., Belmont & San Carlos, Calif.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wind Turbine Co., Tower & Antenna Div., E. Market St. & Penna. R.R., West Chester, Pa.

ANTENNAS—Airborne Radar Spinner

ARMA CORP., 254 36th St., Brooklyn 32, N. Y. SEE ADV. PG. 220.
 Brach Mfg. Corp., L.S., 200 Central Ave., Newark, N. J.
 Dalmio Victor Co., San Carlos, Calif.
 DeMornay-Budd, Inc., 475 Grand Concourse, New York 51, N. Y.
 Eclipse Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Microwave Equipment Co., North Caldwell, N. J.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 Rice's Sons, Inc., Bernard, 325 Fifth Ave., New York 16, N. Y.
 Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

ANTENNAS—Aircraft Type

Aeronautical Radio Mfg. Co., 155 First St., Mineola, N. Y.
 Airborne Instruments Lab., Inc., 160 Old Country Rd., Mineola, N. Y.
 Aircraft Radio Corp., Boonton, N. J.
BIRD ELECTRONIC CORP., 1800 E. 38th St., Cleveland 14, Ohio. SEE ADV. PG. 217.
 Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.
 Collins Radio Co., Cedar Rapids, Iowa.
 Communication Equipment & Engrg. Co., 5646 W. Race St., Chicago 44, Ill.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Industrial Products Co., Danbury, Conn.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Rowe Industries, 1702 Wayne St., Toledo 9, Ohio
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Tricraft Products Co., 1535 N. Ashland Ave., Chicago 22, Ill.
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
 Ward Products Corp., Div. of the Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio
 Workshop Associates, Inc., 66 Needham St., Newton Highlands 61, Mass.

ANTENNAS—All Wave Receiving

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Amy, Aceves & King Inc., 11 W. 42nd St., New York 18, N. Y.
 Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.
 Camburn, Inc., 32-40 57th St., Woodside, N. Y.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., L. I. City, N. Y. SEE ADV. PG. 80.
 Interstate Mfg. Corp., 138 Sussex Ave., Newark 4, N. J.
 Magnavox Co., The Components Div., Fort Wayne 4, Ind.
 Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
 Technical Appliance Corp., Sherburne, N. Y.
TRANSVILLE INC., 460 North Ave., New Rochelle, N. Y. SEE ADV. PG. 172.
 Tricraft Products Co., 1535 N. Ashland Ave., Chicago 22, Ill.
 Vertrod Corp., 11 Park Place, New York 7, N. Y.
 Ward Products Corp., Div. of the Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio
 Wind Turbine Co., Tower & Antenna Div., E. Market St. & Penna. R. R., West Chester, Pa.

ANTENNAS—Auto

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.
 Camburn, Inc., 32-40 57th St., Woodside, N. Y.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Dielectric Products Co., Inc., 125 Virginia Ave., Jersey City 5, N. J.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Industrial Products Co., Danbury, Conn.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., L. I. City, N. Y. SEE ADV. PG. 80.

Interstate Mfg., Corp., 138 Essex Ave., Newark 4, N. J.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
 National Electronic Mfg. Corp., 35-05 36th St., Long Island City 5, N. Y.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 Philson Mfg. Co., Inc., 156 Chambers Street, New York, N. Y.
 Rad-El-Mfg. Co., 6300 Euclid Ave., Cleveland 3, Ohio
 Radiart Corp., The, 3571 W. 62nd St., Cleveland 2, Ohio
 Special Products Co., Silver Spring, Md.
 Ward Products Corp., Div. of The Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio
 West Coast Electronics Co., 1601 S. Burlington St., Los Angeles 6, Calif.

ANTENNAS—Broadcast Station Radiators

American Bridge Co., U. S. Steel Corp. Sub., Frick Bldg., Pittsburgh, Pa.
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
 Blaw-Knox Co., Farmers Bank Bldg., Pittsburgh, Pa.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Lehigh Structural Steel Co., 17 Battery Pl., N. Y. 4, N. Y.
 Lingo & Son, Inc., John E., 28th St., & Buren Avenue, Camden, N. J.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio
 Skyline Tower Co., Chicago, Ill.
 Truscon Steel Co., Youngstown, Ohio
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Wincharger Corp., E. 7th & Division Sts., Sioux City, Iowa
 Wind Turbine Co., Tower & Antenna Div., E. Market St. & Penna. R. R., West Chester, Pa.

ANTENNAS—Dipole

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Amy, Aceves & King Inc., 11 W. 42nd St., New York 18, N. Y.
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.
 Camburn, Inc., 32-40 57th St., Woodside, N. Y.
 Channel Master Co., Ellenville, N. Y.
 Clarke Instrument Corp., 910 King St., Silver Spring, Md.
 Communication Products Co., Inc., Broadway & Clark St., Keyport, N. J.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Dielectric Products Co., Inc., 125 Virginia Ave., Jersey City 5, N. J.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City 1, N. Y.
 General Ceramics & Steatite Corp., Keasbey, N. J.
 Hi-Par Products Co., Fitchburg, Mass.
INSULINE CORP. OF AMERICA, 26-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Interstate Mfg. Corp., 138 Sussex Ave., Newark 4, N. J.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 La Pointe-Plascomold Corp., Unionville, Conn.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.

MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.

Microwave Equipment Co., North Caldwell, N. J.
Mobile Communications Co., 110 W. Ocean Blvd.,
Long Beach 2, Calif.

National Electronic Mfg. Co., 35-05 36th St.,
Long Island City 5, N. Y.

Network Mfg. Corp., Bayonne, N. J.

Oak Ridge Antennas Div. of Video Television,
Inc., 239 E. 127th St., New York 35, N. Y.

Philco Corp., Tioga & C Sts., Phila. 34, Pa.
Philson Mfg. Co., Inc., 156 Chambers St., New
York, N. Y.

PREMAX PRODUCTS DIV., Chisholm-Ryder Co.,
Inc., Niagara Falls 2, N. Y. SEE ADV. PG. 44.

Radiart Corp., The, 3571 W. 62nd St., Cleveland
2, Ohio

RADIO CORP. OF AMERICA, RCA Victor Div.,
Front & Cooper Sts., Camden, N. J. SEE ADV.
PGS. 197, Inside Back and Back Covers.

Radio Specialty Mfg. Co., 2023 S. E. Sixth Ave.,
Portland 14, Ore.

Rice's Sons, Inc., Bernard, 325 Fifth Ave., New
York 16, N. Y.

Schott Co., Walter L., 9306 Santa Monica Blvd.,
Beverly Hills, Calif.

Selectar Industries, Inc., 401 E. 138th St., New
York 54, N. Y.

Serdex, Inc., 91 Cambridge St., Boston, Mass.

Shur-Antenna Mount, Inc., Sea Cliff, N. Y.

Special Products Co., Silver Spring, Md.

Stromberg-Carlson Co., Rochester, N. Y.

Technical Appliance Corp., Sherburne, N. Y.

TRANSVISION INC., 460 North Ave., New Ro-
chelle, N. Y. SEE ADV. PG. 172.

Vertrod Corp., 11 Park Place, New York 7, N. Y.

Ward Products Corp., Div. of The Gabriel Co.,
1523 E. 45th St., Cleveland 3, Ohio

West Coast Electronics Co., 1601 S. Burlington
St., Los Angeles 6, Calif.

Weymouth Instrument Co., 1440 Commercial St.,
East Weymouth 89, Mass.

Wind Turbine Co., Tower & Antenna Div., E.
Market St. & Penna. R. R., West Chester, Pa.

Workshop Associates, Inc., 66 Needham St.,
Newton Highlands 61, Mass.

ANTENNAS—Directional Antenna Cou- pling & Phasing Units

AMERICAN PHENOLIC CORP., 1830 S. 54th
Ave., Chicago 50, Ill. SEE ADV. PG. 167.

Andrew Corp., 363 E. 75th St., Chicago 19, Ill.

BIRD ELECTRONIC CORP., 1800 E. 38th St.,
Cleveland 14, Ohio. SEE ADV. PG. 217.

Brach Mfg. Corp., L. S., 200 Central Ave.,
Newark, N. J.

Burnett Service Co., 178 E. 168th St., New York
52, N. Y.

Communications Co., Inc., 300 Greco Ave., Coral
Gables 34, Fla.

Continental Electronics Mfg. Co., 1728 Wood St.,
Dallas 1, Texas

FEDERAL TELEPHONE AND RADIO CORP.,
100 Kingsland Rd., Clifton, N. J. SEE ADV.
PGS. 129, 131, 133, 135.

Gates Radio Co., Quincy, Ill.

Industrial Products Co., Danbury, Conn.

Islip Radio Mfg. Corp., Beech St., Islip, N. Y.

J. F. D. MFG. CO., 6101-23 Sixteenth Ave.,
Brooklyn, N. Y. SEE ADV. PG. 112.

Johnson Co., E. F., Waseca, Minn.

General Ceramics & Steatite Corp., Keasbey, N. J.

La Magna Mfg. Co., Inc., East Rutherford, N. J.

Microwave Equipment Co., North Caldwell, N. J.

National-Simplex-Bludworth, Inc., Bludworth Ma-
rine Div., 92 Gold St., New York 7, N. Y.

Network Mfg. Corp., Bayonne, N. J.

Oak Ridge Antennas Div. of Video Television,
Inc., 239 E. 127th St., New York 35, N. Y.

Press Wireless Mfg. Co., Inc., Cantigue Rd.,
Hicksville, L. I., N. Y.

Public Operating Co., 100 W. 42nd St., New York,
N. Y.

RADIO CORP. OF AMERICA, RCA Victor Div.,
Front & Cooper Sts., Camden, N. J. SEE ADV.
PGS. 197, Inside Back and Back Covers.

RAYTHEON MFG. CO., Equipment Sales Div.,
Waltham 54, Mass. SEE ADV. PG. 55.

Rice's Sons, Inc., Bernard, 325 Fifth Ave., New
York 16, N. Y.

Schuttig & Co., Inc., 9th & Kearney Sts., N. E.,
Washington 17, D. C.

Shur-Antenna Mount, Inc., Sea Cliff, N. Y.

SPERRY GYROSCOPE CO., Div. of The Sperry
Corp., Great Neck, N. Y. SEE ADV. PGS. 51,
52.

Western Electric Co., Inc., 195 Broadway, New
York 7, N. Y.

WESTINGHOUSE ELECTRIC CORP., P. O. Box
868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Wheeler Laboratories Inc., 259-09 Northern Blvd.,
Great Neck, N. Y.

Workshop Associates, Inc., 66 Needham Street,
Newton Highlands 61, Mass.

ANTENNAS—Dummy Loads

Aeronautical Communications Equipment, Inc.,
3090 Douglas Rd., Miami 33, Fla.

BIRD ELECTRONIC CORP., 1800 E. 38th St.,
Cleveland 14, Ohio. SEE ADV. PG. 217.

Brach Mfg. Corp., L. S., 200 Central Ave., New-
ark, N. J.

Carborundum Co., The, Global Div., Niagara
Falls, N. Y.

Coil Winders Inc., 61 Bergen St., Brooklyn 2,
N. Y.

Communications Co., Inc., 300 Greco Ave., Coral
Gables 34, Fla.

Consolidated Wire & Associated Companies, 1635
S. Clinton St., Chicago 16, Ill.

Continental Electronics Mfg. Co., 1728 Wood St.,
Dallas 1, Texas

FEDERAL TELEPHONE & RADIO CORP., 100
Kingsland Rd., Clifton, N. J. SEE ADV. PGS.
129, 131, 133, 135.

Gates Radio Co., Quincy, Ill.

Gorham Co., Bronze Div., Providence 7, R. I.

Lapp Insulator Co., Inc., 31 Gilbert St., Le Roy,
N. Y.

Microwave Equipment Co., North Caldwell, N. J.

Network Mfg. Corp., Bayonne, N. J.

OHMITE MFG. CO., 4835 W. Flournoy St.,
Chicago 44, Ill. SEE ADV. PG. 201.

Precise Mfg. Co., 24-34 New Chambers St., New
York 7, N. Y.

Precision Resistor Co., 334 Badger Ave., Newark
8, N. J.

RADIO CORP. OF AMERICA, RCA Victor Div.,
Front & Cooper Sts., Camden, N. J. SEE ADV.
PGS. 197, Inside Back and Back Covers.

Rice's Sons, Inc., Bernard, 325 Fifth Ave., New
York 16, N. Y.

Sierra Electronic Corp., Belmont & San Carlos,
Calif.

SPERRY GYROSCOPE CO., Div. of The Sperry
Corp., Great Neck, N. Y. SEE ADV. PGS. 51,
52.

States Co., 19 New Park Ave., Hartford 6, Conn.

Thermionic Engineering Corp., Pompton Plains,
N. J.

ANTENNAS—f-m

Aerolite Electronic Hardware Corp., 24 Cliff St.,
Jersey City, N. J.

AMERICAN PHENOLIC CORP., 1830 S. 54th
Ave., Chicago 50, Ill. SEE ADV. PG. 167.

Amy, Aceves & King, Inc., 11 W. 42nd St., New
York 18, N. Y.

Andrew Corp., 363 E. 75th St., Chicago 19, Ill.

Belden Mfg. Co., 4647 W. Van Buren St., Chi-
cago 44, Ill.

Birnbach Radio Co., Inc., 145 Hudson St., New
York, N. Y.

Blaw-Knox Co., Farmers Bank Building, Pitts-
burgh, Pa.

Brach Mfg. Corp., L. S., 200 Central Ave.,
Newark, N. J.

Buggie & Co., H. H., 2141 Madison Ave., Toledo
1, Ohio

Burnett Service Co., 178 E. 168th St., New York
52, N. Y.

Camburn, Inc., 32-40 57th St., Woodside, N. Y.

Channel Master Co., Ellenville, N. Y.

Collins Radio Co., Cedar Rapids, Iowa

Communications Co., Inc., 300 Greco Ave., Coral
Gables 34, Fla.

Consolidated Wire & Associated Companies, 1635
S. Clinton St., Chicago 16, Ill.

Dielectric Products Co., Inc., 125 Virginia Ave.,
Jersey City 5, N. J.

Electronic Indicator Corp., 53 Wyckoff St., Brook-
lyn, N. Y.

Emerson Radio & Phonograph Corp., 111 8th
Ave., New York, N. Y.

FEDERAL TELEPHONE AND RADIO CORP., 100
Kingsland Rd., Clifton, N. J. SEE ADV. PGS.
129, 131, 133, 135.

Finch Telecommunications Inc., Passaic, N. J.

Gordon Specialties Co., 542 S. Dearborn St., Chi-
cago 5, Ill.

Harvey Radio Labs., Inc., 447 Concord Ave.,
Cambridge, Mass.

Hi-Par Products Co., Fitchburg, Mass.

INSULINE CORP. OF AMERICA, 36-02 35th
Ave., L. I. City, N. Y. SEE ADV. PG. 80.

Interstate Mfg. Corp., 138 Sussex Ave., Newark
4, N. J.

J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brook-
lyn, N. Y. SEE ADV. PG. 112.

Kings Electronics Co., Inc., 372 Classon Ave.,
Brooklyn 5, N. Y.

La Magna Mfg. Co., Inc., East Rutherford, N. J.

LaPointe-Plascomold Corp., Unionville, Conn.

Lehigh Structural Steel Co., 17 Battery Place,
New York 4, N. Y.

Lingo & Son, John E., Inc., 28th St. & Buren
Ave., Camden, N. J.

Lyte Parts Co., 312 Park Ave., Plainfield, N. J.

Magnavox Co., The, Components Div., Fort Wayne
4, Ind.

Marino Radio Co., 203 Greenwich St., New York
7, N. Y.

Motorola Inc., 4545 W. Augusta Blvd. Chicago 5,
Ill.

National Electronic Mfg. Co., 35-05 36th St.,
Long Island City 5, N. Y.

Network Mfg. Corp., Bayonne, N. J.

ANTENNAS—f-m

Oak Ridge Antennas Div. of Video Television,
Inc., 239 E. 127th St., New York 35, N. Y.

Philco Corp., Tioga & C Sts., Phila. 34, Pa.

Philson Mfg. Co., Inc., 156 Chambers St., New
York, N. Y.

PREMAX PRODUCTS DIV., Chisholm-Ryder Co.,
Inc., Niagara Falls 2, N. Y. SEE ADV. PG. 44.

Public Operating Co., 100 W. 42nd St., New
York, N. Y.

Rad-El Mfg. Co., 6300 Euclid Ave., Cleveland 3,
Ohio

Radiart Corp., The, 3571 W. 62nd St., Cleveland
2, Ohio

RADIO CORP. OF AMERICA, RCA Victor Div.,
Front & Cooper Sts., Camden, N. J. SEE
PGS. 197, Inside Back and Back Covers.

Radio Engineering Labs., Inc., 35-54 36th St.,
Long Island City, N. Y.

Radio Sonic Corp., 186 Union Ave., New Rochelle,
N. Y.

Rauland Corp., 4245 N. Knox Ave., Chicago 41,
Ill.

S-W Inductor Co., 1056 N. Wood St., Chicago,
Ill.

Schott Co., Walter L., 9306 Santa Monica Blvd.,
Beverly Hills, Calif.

Shur-Antenna-Mount Inc., Sea Cliff, N. Y.

Stromberg-Carlson Co., Rochester, N. Y.

Technical Appliance Corp., Sherburne, N. Y.

Telrex, Inc., Box 879, Rutherford & Neptune
Highway, Asbury Park, N. J.

TRANSVISION INC., 460 North Ave., New Ro-
chelle, N. Y., SEE ADV. PG. 172.

Tricraft Products Co., 1535 N. Ashland Ave.,
Chicago 22, Ill.

U. S. Rubber Co., Mechanical Rubber Goods
Div., 1230 Avenue of the Americas, New York
20, N. Y.

Vertrod Corp., 11 Park Place, New York 7, N. Y.

Ward Products Corp., Div. of The Gabriel Co.,
1523 E. 45th St., Cleveland 3, Ohio

West Coast Electronics Co., 1601 S. Burlington
St., Los Angeles 6, Calif.

Western Electric Co., Inc., 195 Broadway, New
York 7, N. Y.

Wincharger Corp., E. 7th & Division Sts., Sioux
City, Iowa

Wind Turbine Co., Tower & Antenna Div., E.
Market St. & Penna. R. R., West Chester, Pa.

Workshop Associates, Inc., 66 Needham St.,
Newton Highlands 61, Mass.

ANTENNAS—Fixed Station Antenna Sys- tems

Air Associates, Inc., Teterboro, N. J.

AMERICAN PHENOLIC CORP., 1830 S. 54th
Ave., Chicago 50, Ill. SEE ADV. PG. 167.

Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Dielectric Products Co., Inc., 125 Virginia Ave., Jersey City 5, N. J.
 Erco Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.
 Maryland Electronic Mfg. Corp., 5009 Calvert Rd., College Park, Md.
 Mobile Communications Co., 110 W. Ocean Blvd., Long Beach 2, Calif.
 Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 Technical Appliance Corp., Sherburne, N. Y.
 West Coast Electronics Co., 1601 S. Burlington St., Los Angeles 6, Calif.
 Wind Turbine Co., Tower & Antenna Div., E. Market St., & Penna. R. R., West Chester, Pa.
 Workshop Associates, Inc., 66 Needham Street, Newton Highlands 61, Mass.

ANTENNAS—Ground Plane

American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Erco Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.
 Hi-Par Products Co., Fitchburg, Mass.
 Lingo & Son, Inc., John E., 28th St. & Buren Ave., Camden, N. J.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
 Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Serdex, Inc., 91 Cambridge St., Boston, Mass.
 Ward Products Corp., Div. of the Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio
 West Coast Electronics Co., 1601 S. Burlington St., Los Angeles 6, Calif.
 Wilcox Electric Co., 1400 Chestnut St., Kansas City, Mo.
 Wind Turbine Co., Tower & Antenna Div., E. Market St., & Penna. R. R., West Chester, Pa.
 Workshop Associates, Inc., 66 Needham St., Newton Highlands 61, Mass.

ANTENNAS—Loop

Aircraft Radio Corp., Boonton, N. J.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Burnett Service Co., 178 E. 168th St., New York 52, N. Y.
 C. B. Mfg. Co., 480 Broome St., New York 13, N. Y.
 Clarke Instrument Corp., 910 King St., Silver Spring, Md.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Elm Laboratories, 18 South Broadway, Dobbs Ferry, N. Y.
 Fisher Research Lab., 1961 University Ave., Palo Alto, Calif.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 General Ceramics & Steatite Corp., Keasbey, N. J.
 Guthman Inc., Edwin L., 15 S. Throop St., Chicago, Ill.
 Houlihan Company, T. J., 2508-14 W. Lawrence Ave., Chicago 25, Ill.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Jarvis Electronics Corp., 6058 W. Fullerton Ave., Chicago 39, Ill.
 Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 Multi-Products Tool Co., 123 Sussex Ave., Newark 4, N. J.
 National Electronic Mfg. Corp., 30-05 36th St., Long Island City 5, N. Y.

National-Simplex-Bludworth, Inc., Bludworth Marine Div., 92 Gold St., New York 7, N. Y.
 Polytron Corp., 133 Martine Ave., White Plains, N. Y.
 Precise Mfg. Co., 24-34 New Chamber St., New York 7, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
STANDARD COIL PRODUCTS CO., 2329 Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.
 Stanwyck Winding Co., 102-104 S. Lander St., Newburgh, N. Y.
 Teradio Engineering Corp., 99 Wall St., New York 5, N. Y.
 Workshop Associates Inc., 66 Needham St., Newton Highlands 61, Mass.

ANTENNAS—Marine

Bassett, Inc., Rex, 307-11 N. W. 1st Ave., Fort Lauderdale, Fla.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Emerson Radio & Phonograph Corp., 111 8th Ave., New York, N. Y.
 General Ceramics & Steatite Corp., Keasbey, N. J.
 Hose-McCann Telephone Co., Inc., 25th St. & 3rd Ave., Brooklyn 32, N. Y.
 Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
 Jefferson Inc., Ray, 40 E. Merrick Rd., Freeport, N. Y.
 Jefferson-Travis Inc., 76 Ninth Ave., New York 11, N. Y.
 Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
 National-Simplex-Bludworth, Inc., Bludworth Marine Div., 92 Gold St., New York 7, N. Y.
PREMAX PRODUCTS DIV., Chisholm-Ryder Co., Inc., Niagara Falls 2, N. Y. SEE ADV. PG. 44.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Ward Products Corp., Div. of the Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio
 Workshop Associates, Inc., 66 Needham St., Newton Highlands 61, Mass.

ANTENNAS—Microwave

Airborne Instruments Lab. Inc., 160 Old Country Rd., Mineola, N. Y.
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Dalmo Victor Co., San Carlos, Calif.
 De Mornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Gorham Co., Bronze Div., Providence 7, R. I.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Microwave Equipment Co., North Caldwell, N. J.
 Network Mfg. Corp., Bayonne, N. J.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Premier Instrument Corp., 52 W. Houston St., New York 12, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Rice's Sons, Inc., Bernard, 325 Fifth Ave., New York 16, N. Y.
 Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

Televiso Products, Inc., 7466 West Irving Park Rd., Chicago 34, Ill.
 United Industries, Inc., Everett, Mass.
 Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.
 Workshop Associates, Inc., 66 Needham St., Newton Highlands 61, Mass.

ANTENNAS—Radar Receiving & Transmitting

Airborne Instruments Lab., Inc., 160 Old Country Rd., Mineola, N. Y.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Dalmo Victor Co., San Carlos, Calif.
 De Mornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Microwave Equipment Co., North Caldwell, N. J.
 Network Mfg. Corp., Bayonne, N. J.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 Philson Mfg. Co., Inc., 156 Chambers St., New York, N. Y.
 Premier Instrument Corp., 52 W. Houston St., New York 12, N. Y.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
 Rice's Sons, Inc., Bernard, 325 Fifth Ave., New York 16, N. Y.
 Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Televiso Products Inc., 7466 W. Irving Park Rd., Chicago 34, Ill.
 United Industries, Inc., Everett, Mass.
 Workshop Associates, Inc., 66 Needham St., Newton Highlands 61, Mass.

ANTENNAS—Railroad

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Communication Equipment & Engrg. Co., 5646 W. Race St., Chicago 44, Ill.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Dielectric Products Co., Inc., 125 Virginia Ave., Jersey City 5, N. J.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Industrial Products Co., Danbury, Conn.
 Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
 Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 Ward Products Corp., Div. of The Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio
 West Coast Electronics Co., 1601 S. Burlington St., Los Angeles 6, Calif.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Workshop Associates, Inc., 66 Needham Street, Newton Highlands 61, Mass.

ANTENNAS—Rotary Beam

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Espey Mfg. Co. Inc., 528 E. 72nd St., New York 19, N. Y.
 Gordon Specialties Co., 542 S. Dearborn St., Chicago 5, Ill.
 Hi-Par Products Co., Fitchburg, Mass.
 Johnson Co., E. F., Waseca, Minn.
 Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
 LaPointe-Plascomold Corp., Unionville, Conn.

PREMAX PRODUCTS DIV., Chisholm-Ryder Co., Inc., Niagara Falls 2, N. Y. SEE ADV. PG. 44.
Telrex, Inc., Box 879, Rutherford & Neptune Highway, Asbury Park, N. J.
Wind Turbine Co., Tower & Antenna Div., E. Market St. & Penna. R.R., West Chester, Pa.
Workshop Associates, Inc., 66 Needham Street, Newton Highlands 61, Mass.

ANTENNAS—Telescopic

Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.
Camburn, Inc., 32-40 57th St., Woodside, N. Y.
Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
Federal Engineering Co., 37 Murray St., New York 7, N. Y.
Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City 1, N. Y.
General Ceramics & Steatite Corp., Keasbey, N. J.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
Gordon Specialties Co., 542 S. Dearborn St., Chicago 5, Ill.
HyLite Antennae, 528 Tiffany St., Bronx, N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
Interstate Mfg. Corp., 138 Sussex Ave., Newark 4, N. J.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
Jefferson-Travis Inc., 76 Ninth Ave., New York 11, N. Y.
Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
La Magna Mfg. Co., Inc., East Rutherford, N. J.
Lingo & Son, Inc., John E., 28th St. & Buren Ave., Camden, N. J.
Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
National Electronic Mfg. Corp., 35-05 36th St., Long Island City, N. Y.
Oak Ridge Antennas Div. of Video Television, Inc., 239 E. 127th St., New York 35, N. Y.
Philson Mfg. Co. Inc., 156 Chambers St., New York, N. Y.
Precision Plastic Products Inc., 628-30 W. Lake St., Chicago 6, Ill.
PREMAX PRODUCTS DIV., Chisholm-Ryder Co., Inc., Niagara Falls 2, N. Y. SEE ADV. PG. 44.
Public Operating Co., 100 W. 42nd St., New York, N. Y.
Radiart Corp., The, 3571 W. 62nd St., Cleveland 2, Ohio
Ward Products Corp., Div. of The Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio
Workshop Associates, Inc., 66 Needham Street, Newton Highlands 61, Mass.

ANTENNAS—Television

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
Amy, Aceves & King Inc., 11 W. 42nd St., New York 18, N. Y.
Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
Antenna Research Lab., Inc., 797 Thomas Lane, Columbus 9, Ohio
Audar Inc., Argus, Indiana
Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
Bowers Battery & Spark Plug Co., Reading, Pa.
Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.
Burnett Service Co., 178 E. 168th St., New York 52, N. Y.
Camburn, Inc., 32-40 57th St., Woodside, N. Y.
Channel Master Co., Ellenville, N. Y.
Cole-Worner Corp., 345 Albert Ave., Mansfield, Ohio
Commercial Radio Sound Corp., 575 Lexington Ave., New York 22, N. Y.
Communication Measurements Lab., Inc., 120 Greenwich St., New York, N. Y.
Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
Dalmo Victor Co., San Carlos, Calif.

Dielectric Products Co., Inc., 125 Virginia Ave., Jersey City 5, N. J.
Electronic Indicator Corp., 53 Wyckoff St., Brooklyn, N. Y.
Emerson Radio & Phonograph Corp., 111 8th Ave., New York, N. Y.
Federal Engineering Co., 37 Murray St., New York 7, N. Y.
Federal Telecommunication Labs., Inc., 500 Washington Ave., Nutley 10, N. J.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Five Star Radio Co., 416 Broadway, Cambridge, Mass.
Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City 1, N. Y.
General Electronics Inc., 101 Hazel St., Paterson, N. J.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
Gordon Specialties Co., 542 S. Dearborn St., Chicago 5, Ill.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
Hi-Par Products Co., Fitchburg, Mass.
Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.
House of Television, 601 W. 26th St., New York, N. Y.
HyLite Antennae, 528 Tiffany St., Bronx, N. Y.
Industrial Television, Inc., 359 Lexington Ave., Clifton, N. J.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., L. I. City, N. Y. SEE ADV. PG. 80.
Intra Video Corp. of America, 851 Madison Ave., New York 21, N. Y.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
La Magna Mfg. Co., Inc., East Rutherford, N. J.
LaPointe-Plascomold Corp., Unionville, Conn.
Lehigh Structural Steel Co., 17 Battery Place, New York 4, N. Y.
Lingo & Son, Inc., John E., 28th St. & Buren Ave., Camden, N. J.
Lyte Parts Co., 312 Park Ave., Plainfield, N. J.
Marino Radio Co., 203 Greenwich St., New York 7, N. Y.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
National Electronic Mfg. Corp., 35-05 36th St., Long Island City 5, N. Y.
Network Mfg. Corp., Bayonne, N. J.
Oak Ridge Antennas Div. of Video Television, Inc., 239 E. 127th St., New York 35, N. Y.
Philco Corp., Tioga & C Sts., Phila. 34, Pa.
Philson Mfg. Co., Inc., 156 Chambers St., New York, N. Y.
Polytron Corp., 133 Martine Ave., White Plains, N. Y.
Precision Plastic Products Inc., 628-30 W. Lake St., Chicago 6, Ill.
PREMAX PRODUCTS DIV., Chisholm-Ryder Co., Inc., Niagara Falls 2, N. Y. SEE ADV. PG. 44.
Public Operating Co., 100 W. 42nd St., New York, N. Y.
Rad-El Mfg. Co., 6300 Euclid Ave., Cleveland 3, Ohio
Radiart Corp., The, 3571 W. 62nd St., Cleveland 2, Ohio
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Radio Merchandise Sales, 550 Westchester Ave., New York 55, N. Y.
Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
Rauland Corp., 4245 N. Knox Ave., Chicago 41, Ill.
S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
Shur-Antenna Mount, Inc., Sea Cliff, N. Y.
Special Products Co., Silver Spring, Md.
Technical Appliance Corp., Sherburne, N. Y.
Telcor Corp., 851 Madison Ave., New York 21, N. Y.

Telrex, Inc., Box 879, Rutherford & Neptune Highway, Asbury Park, N. J.
TRANSVISION INC., 460 North Ave., New Rochelle, N. Y. SEE ADV. PG. 172.
Tricraft Products Co., 1535 N. Ashland Ave., Chicago 22, Ill.
U. S. Rubber Co., Mechanical Rubber Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
Vendo Co., 7400 E. 12th St., Kansas City, Mo.
Vertrod Corp., 11 Park Place, New York 7, N. Y.
Ward Products Corp., Div. of The Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio
Wind Turbine Co., Tower & Antenna Div., E. Market St. & Penna. R.R., West Chester, Pa.
Workshop Associates, Inc., 66 Needham Street, Newton Highlands 61, Mass.

ANTENNAS—uhf & vhf

Air Associates, Inc., Teterboro, N. J.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
Amy, Aceves & King Inc., 11 W. 42nd St., New York 18, N. Y.
Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
BIRD ELECTRONIC CORP., 1800 E. 38th St., Cleveland 14, Ohio. SEE ADV. PG. 217.
Birnback Radio Co., Inc., 145 Hudson St., New York, N. Y.
Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.
Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
Burnett Service Co., 178 E. 168th St., New York 52, N. Y.
Camburn, Inc., 32-40 57th St., Woodside, N. Y.
Communication Products Co., Inc., Broadway & Clark St., Keyport, N. J.
Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
De Mornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.
Doolittle Radio, Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.
Electronic Indicator Corp., 53 Wyckoff St., Brooklyn, N. Y.
Erco Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.
Farnsworth Television & Radio Corp., Ft. Wayne, Ind.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
Gordon Specialties Co., 542 S. Dearborn St., Chicago 5, Ill.
Gross Electronics, Inc., 1865-71 Prospect Ave., Cleveland 15, Ohio
Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
Interstate Mfg. Corp., 138 Sussex Ave., Newark 4, N. J.
Johnson Co., E. F., Waseca, Minn.
La Magna Mfg. Co., Inc., East Rutherford, N. J.
LaPointe-Plascomold Corp., Unionville, Conn.
Lingo & Son, Inc., John E., 28th St. & Buren Ave., Camden, N. J.
Link Radio Corp., 125 W. 17th St., New York, N. Y.
Lyte Parts Co., 312 Park Ave., Plainfield, N. J.
Microwave Equipment Co., North Caldwell, N. J.
Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
PREMAX PRODUCTS DIV., Chisholm-Ryder Co., Inc., Niagara Falls 2, N. Y. SEE ADV. PG. 44.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
Radio Specialty Mfg. Co., 2023 S. E. Sixth Ave., Portland 14, Ore.
Rice's Sons, Inc., Bernard, 325 Fifth Ave., New York 16, N. Y.
Schuttig & Co., Inc., 9th & Kearney Sts., N.E., Washington 17, D. C.
Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.

Serdex Inc., 91 Cambridge St., Boston, Mass.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.

Technical Appliance Corp., Sherburne, N. Y.
 Televiso Products Inc., 7466 W. Irving Rd., Chicago 34, Ill.

Telrex, Inc., Box 879, Rutherford & Neptune Highway, Asbury Park, N. J.

Ward Products Corp., Div. of The Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio

West Coast Electronics Co., 1601 S. Burlington St., Los Angeles 6, Calif.

Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.

Wind Turbine Co., Tower & Antenna Div., E. Market St. & Penna. R.R., West Chester, Pa.

Workshop Associates, Inc., 66 Needham Street, Newton Highlands 61, Mass.

ARRESTORS—Lightning

Alpha Wire Corp., 50 Howard St., New York 13, N. Y.

Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.

Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.

Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.

Camburn, Inc., 32-40 57th St., Woodside, N. Y.

Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.

Cook Electric Co., 2700 Southport Ave., Chicago, Ill.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.

J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.

LaPointe-Plascomold Corp., Unionville, Conn.

NATIONAL CARBON CO., INC., Unit of Carbide & Union Carbon Corp., 30 E. 42nd St., New York 17, N. Y. SEE ADV. PG. 57.

National Electronic Mfg. Corp., 35-05 36th St., Long Island City 5, N. Y.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Shur-Antenna Mount, Inc., Sea Cliff, N. Y.

STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.

Technical Appliance Corp., Sherburne, N. Y.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Wind Turbine Co., Tower & Antenna Div., E. Market St. & Penna. R.R., West Chester, Pa.

ATTENUATORS

American British Technology Inc., 57 Park Ave., New York 16, N. Y.

BARKER & WILLIAMSON, 235 Fairfield Ave., Upped Darby, Pa. SEE ADV. PG. 39.

CENTRALAB, DIV. of Globe-Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.

Clarke Instrument Corp., 910 Jackson St., Silver Spring, Md.

Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.

Collins Radio Co., Cedar Rapids, Iowa

Corning Glass Works, Corning, N. Y.

Daven Co., 191 Central Ave., Newark 4, N. J.

De Mornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.

GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.

HEWLET-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.

Kalbfell Labs., Inc., 1076 Morena Blvd., San Diego 10, Calif.

KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.

Keithley Instruments, 1507 Warrensville Center Rd., Cleveland 21, Ohio

Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.

MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.

Maritime Quality Hardware Co., Inc., Belfast, Maine

MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.

Microwave Equipment Co., North Caldwell, N. J.

OHMITE MFG. CO., 4835 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.

POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Rice's Sons, Inc., Bernard, 325 Fifth Ave., New York 16, N. Y.

Rollin Co., 2070 N. Fair Oaks Ave., Pasadena 3, Calif.

Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.

Shalleross Mfg. Co., 10 Jackson Ave., Collingsdale, Pa.

SPERRY GYROSCOPE CO., Div. of Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

Tech Laboratories, Inc., Bergen & Edsall Blvd., Palisades Park, N. J.

Tel-Craft Co., 108 Havemeyer St., Brooklyn 11, N. Y.

Weinschel Engineering Co., 123 William St., New York 7, N. Y.

AUDIOMETERS

AUDIO DEVELOPMENT CO., 2833 13th Ave. S. Minneapolis 7, Minn. SEE ADV. PG. 94.

Aurex Corp., 1117 N. Franklin St., Chicago, Ill.

Bogen Co., David, 663 Broadway, New York 12, N. Y.

Maico Co., Inc., 25 North 3rd St., Minneapolis, Minn.

Sonotone Corp., P. O. Box 200, Saw Mill River Rd., Elmsford, N. Y.

Vacolite Co., 3001-3003 N. Henderson, Dallas, Texas

Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

BAFFLES—Microphone

ELECTRO-VOICE INC., Buchanan, Mich. *SEE ADV. PG. 195.

General Ceramics & Steatite Corp., Keasbey, N. J.

Racon Electric Co., 52 E. 19th St., New York 3, N. Y.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Rauland-Borg Corp., 4245 N. Knox Avenue, Chicago 41, Ill.

Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

BAFFLES—Speaker

Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.

American Communications Corp., 306 Broadway, New York 7, N. Y.

Atlas Sound Corp., 1443 39th St., Brooklyn 18, N. Y.

Board Products Co., 4206 W. Lake St., Chicago 24, Ill.

Bogen Co., David 663 Broadway, New York 12, N. Y.

Castlewood Mfg. Co., 12th & Burnett Sts., Louisville, Ky.

Commercial Radio Sound Corp., 575 Lexington Ave., New York 22, N. Y.

Flock Process Co., Velvetone Div., 3 Quincy St., Norwalk, Conn.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

Heath Co., Benton Harbor, Mich.

Illinois Wood Products Corp., 1656 N. Besly Court, Chicago 22, Ill.

Jensen Mfg. Co., 6601 S. Laramie Ave., Chicago 38, Ill.

Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.

Lansky Die Cutting Co., 192½ Greene St., New York 12, N. Y.

Mellaphone Corp., Rochester 2, N. Y.

Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.

NATIONAL CO., INC., 61 Sherman St., Malden, 48, Mass. SEE ADV. PGS. 105-108.

Olek & Son, Inc., A., 4757-59 Melrose St., Philadelphia 37, Pa.

Operadio Mfg. Co., 135th & Indiana Sts., St. Charles, Ill.

PERMOFLUX CORP., 4900 W. Grand Ave., Chicago, Ill. SEE ADV. PG. 230.

Racon Electric Co., 52 E. 19th St., New York 3, N. Y.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Radio Mds. Sales, 550 Westchester Ave., New York 55, N. Y.

Radio-Music Corp., Port Chester, N. Y.

Rauland-Borg Corp., 4245 N. Knox Ave., Chicago 41, Ill.

Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City, N. Y.

Stark Sound Engineering Co., 2131 Fairfield, Fort Wayne 7, Ind.

Stephens Mfg. Corp., 8538 Warner Drive, Culver City, Calif.

Terminal Radio Corp., 85 Cortland St., New York 7, N. Y.

Topping Mfg. Co., 3597 Mission St., San Francisco 10, Calif.

University Loudspeakers, Inc., 80 S. Kensico Ave., White Plains, N. Y.

Watterson Radio Mfg. Corp., P. O. Box 840, Dallas, Texas

Willard's, Hamplon, Mass.

SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

BASES—Relay

Alden Products Co., 117 No. Main St., Brockton 64, Mass.

CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123.

HERMETIC SEAL PRODUCTS CO., 29-37 South 6th St., Newark, N. J. SEE ADV. PG. 223.

Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.

Kuhn & Jacob Molding & Tool Co., 1200 Southard St., Trenton, N. J.

BATTERIES—Dry

Acme Battery Co., 59 Pearl St., Brooklyn 1, N. Y.

Admiral Corp., 3800 Cortland St., Chicago 47, Ill.

Bond Electric Corp., Div. of Olin Industries, Inc., New Haven 4, Conn.

Bright Star Battery Co., 200 Crooks Ave., Clifton, N. J.

BURGESS BATTERY CO., Battery Div., Freeport, Ill. SEE ADV. PG. 88.

General Dry Batteries, Inc., 13000 Athens Ave., Cleveland, Ohio

MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.

Manufacturers Battery Co., Sub. of Ray-O-Vac Co., Madison, Wisc.

Marathon Battery Co., Wausau, Wisc.

NATIONAL CARBON CO., INC., Unit of Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y. SEE ADV. PG. 57.

National Union Radio Corp., 350 Scotland Rd., Orange, N. J.

Olin Industries, Inc., Electrical Div., New Haven 4, Conn.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Ray-O-Vac Co., Madison, Wisc.

Specialty Battery Co., Madison 4, Wisc.

Vitamite Co., The, 227 W. 64th St., New York 23, N. Y.

Western Cable Battery Co., Inc., 395 Sibley St., St. Paul, Minn.

Winchester Repeating Arms Co., Div. of Olin Industries, Inc., New Haven, Conn.

Willard Storage Battery Co., 246 E. 131st St., Cleveland 1, Ohio

BATTERIES—Standard Cell

Acme Battery Co., 59 Pearl St., Brooklyn 1, N. Y.
 Bond Electric Corp., Div. of Olin Industries, Inc.,
 New Haven, Conn.
 Bowers Battery & Spark Plug Co., Reading, Pa.
 Electric Storage Battery Co., Allegheny Ave., &
 19th St., Phila. 32, Pa.
 Eppley Lab. Inc., Newport, R. I.
 Willard Storage Battery Co., 246 E. 131st St.,
 Cleveland 1, Ohio
 Winchester Repeating Arms Co., Div. of Olin In-
 dustries, Inc., New Haven, Conn.

BATTERIES—Storage

Baker & Co., 113 Astor St., Newark 5, N. J.
 Bowers Battery & Spark Plug Co., Reading, Pa.
 Edison Storage Battery Div., Thomas A. Edison
 Inc., Main St. at Lakeside Ave., W. Orange,
 N. J.
 Electric Auto-Lite Co., The, Toledo 1, Ohio
 Electric Storage Battery Co., Allegheny Ave. &
 19th St., Phila. 32, Pa.
 General Lead Batteries Co., 196 W. Railway Ave.,
 Paterson, N. J.
 Gould Storage Battery Corp., 35 Neoga St.,
 DePew, N. Y.
 Nickel Cadmium Corp., Easthampton, Mass.
 Solar Corp., 1000 W. Bruce St., Milwaukee 4,
 Wisc.
 Vitamite Co., The, 227 W. 64th St., New York
 23, N. Y.
 Western Cable Battery Co., Inc., 395 Sibley St.,
 St. Paul, Minn.
 Willard Storage Battery Co., 246 E. 131st St.,
 Cleveland 1, Ohio

BATTERIES—Storage Nonspill

Bowers Battery & Spark Plug Co., Reading, Pa.
CENTRALAB, DIV. of Globe-Union Inc., 900
 E. Keefe Ave., Milwaukee 1, Wis. SEE ADV.
 PGS. 26, 27.
 Electric Storage Battery Co., 19th St. & Al-
 legheny Ave., Phila. 32, Pa.
 Electronic Batteries Inc., Bush Terminal Bldg.,
 No. 4, 28-34 Thirty Fifth St., Brooklyn 32,
 N. Y.
 Nickel Cadmium Corp., Easthampton, Mass.
 Vitamite Co., The, 227 W. 64th St., New York
 23, N. Y.
 Willard Storage Battery Co., 246 E. 131st St.,
 Cleveland 1, Ohio

BATTERY CHARGERS

ACME ELECTRIC CORP., Cuba, N. Y. SEE ADV.
 PG. 231.
 Airpax Products Co., 1024 Greenmount Ave.,
 Baltimore 2, Md.
 American Communications Corp., 306 Broadway,
 New York 7, N. Y.
AMERICAN TELEVISION & RADIO CO., 300 E.
 4th St., St. Paul 1, Minn. SEE ADV. PG. 192.
 Automatic Electric Sales Corp., 1033 W. Van
 Buren St., Chicago 7, Ill.
 Baldor Electric Co., 4353 Duncan Avenue, St.
 Louis, Mo.
 Bowers Battery & Spark Plug Co., Reading, Pa.
 Columbus Electronics Corp., 229 S. Waverly
 St., Yonkers, N. Y.
 Control Corp., 718 Central Ave., Minneapolis 14,
 Minn.
 Electric Products Co., 1725 Clarkstone Rd.,
 Cleveland 12, Ohio
 Electric Storage Battery Co., Allegheny Ave. &
 19th St., Philadelphia 32, Pa.
 Electrocoil Transformer Co., 421 Canal St., New
 York 13, N. Y.
 Electro Engineering Works, 6021 College Ave.,
 Oakland 18, Calif.
 Electro Products Labs., 549 W. Randolph St.,
 Chicago 6, Ill.
 Electron Equipment Corp., 917 Meridian Ave.,
 South Pasadena, Calif.
 Electronic Products Co., 443 Greenwich St., New
 York, N. Y.
 Electronics Contracting Co., 122 Chambers St.,
 New York 7, N. Y.
FANSTEEL METALLURGICAL CORP., 2200
 Sheridan Rd., No. Chicago, Ill. SEE ADV.
 PG. 29.

FEDERAL TELEPHONE AND RADIO CORP., 100
 Kingsland Rd., Clifton, N. J. SEE ADV. PGS.
 129, 131, 133, 135.
FERRANTI ELECTRIC, INC., 30 Rockefeller
 Plaza, New York 20, N. Y. SEE ADV. PG. 86.
 Franklin Transformer Mfg. Co., 65 22nd Ave.,
 NE, Minneapolis 13, Minn.
GENERAL ELECTRIC CO., Schenectady 5, N. Y.
 SEE ADV. PGS. 5-18.
 Heath Co., Benton Harbor, Mich.
 Hertner Electric Co., 12690 Elmwood Ave.,
 Cleveland 11, Ohio
 Inductive Equipment Co., Gettysburg, Pa.
 Industrial Electronics & Transformer Co., 1809
 E. Slauson Ave., Los Angeles 11, Calif.
 Lorain Products Corp., 112 F St., Lorain, Ohio
 McColpin-Christie Corp., 4922 S. Figueroa St., Los
 Angeles 37, Calif.
MALLORY & CO., INC., P. R., 3029 E. Wash-
 ington St., Indianapolis 6, Ind. SEE ADV.
 PGS. 71-74.
 Melco Products, Inc., 22 E. Hennepin Ave.,
 Minneapolis 1, Minn.
 Mellaphone Corp., Rochester 2, N. Y.
 Network Mfg. Corp., Bayonne, N. J.
 Power Equipment Co., 55 Antoinette St., Detroit
 2, Mich.
RADIO RECEPTOR CO., 251 W. 19th St., New
 York 11, N. Y. SEE ADV. PGS. 162, 163.
RAYTHEON MFG. CO., Equipment Sales Div.,
 Waltham 54, Mass. SEE ADV. PG. 55.
 Rectifier Engineering Co., 1803 E. Seventh St.,
 Los Angeles 21, Calif.
 Richardson Allen Corp., 15 W. 20th Street, New
 York 11, N. Y.
 Schauer Machine Co., Cincinnati 2, Ohio
 Smith-Meeker Engineering Co., 125 Barclay St.,
 New York 7, N. Y.
 Standard Telephones & Cables Ltd., Connaught
 House, Aldwych, London, W. C. 2, England
TELEX, INC., Telex Park, Minneapolis 1, Minn.
 SEE ADV. PG. 170.
 Ther Electric & Machine Works, 17 S. Jefferson
 St., Chicago, Ill.
VICKERS ELECTRIC DIV., Vickers, Inc., 1815
 Locust St., St. Louis 3, Mo. SEE ADV. PG.
 194.
 Vitamite Co., The, 227 W. 64th St., New York
 23, N. Y.
WARD LEONARD ELECTRIC CO., 31 South St.,
 Mt. Vernon, N. Y. SEE ADV. PG. 151.
WESTINGHOUSE ELECTRIC CORP., P. O. Box
 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66,
 67.
 Weston Laboratories, Weston 93, Mass.
 Willard Storage Battery Co., 246 E. 131st St.,
 Cleveland 1, Ohio

**BATTERY CHARGERS—Gas Engine
 Driven**

Cyclohm Motor Corp., Racine, Wisc.
 Electric Products Co., 1725 Clarkstone Rd.,
 Cleveland 12, Ohio
 Geophysical Instrument Co., 1820 N. Nash St.,
 Arlington, Va.
 Hertner Electric Co., 12690 Elmwood Ave.,
 Cleveland 11, Ohio
 Industrial Electronics & Transformer Co., 1809
 E. Slauson Ave., Los Angeles 11, Calif.
 Onan & Sons Inc., D. W., 3264 Royalston Ave.,
 Minneapolis 5, Minn.

BEARINGS—Miniature

Amplex Div., Chrysler Corp., Detroit 31, Mich.
 Bird Co., Richard H., 1 Spruce St., Waltham,
 Mass.
 Fafnir Bearing Co., Booth Street, New Britain,
 Conn.
 Gatti Inc., Aurele M., 524 E. Washington St.,
 Trenton, N. J.
 Keystone Carbon Co., Inc., Saint Marys, Pa.
 Landis & Gyr, Inc., 104 Fifth Ave., New York
 11, N. Y.
MINIATURE PRECISION BEARINGS, INC.,
 Keene, N. H. SEE ADV. PG. 203.
 New Hampshire Ball Bearings, 5 Main St., Peters-
 borough, N. H.

BELLOWS

Chicago Metal Hose Corp., 1309 S. Third Ave.,
 Maywood, Ill.
 Cook Electric Co., 2700 Southport Ave., Chicago,
 Ill.

Eastern Metals Industries, 250 W. 54th St.,
 New York 19, N. Y.
 Fulton Sylphon Div., Robertshaw-Fulton Controls
 Co., Knoxville 4, Tenn.
 Giannini & Co., Inc., 285 W. Colorado St.,
 Pasadena 1, Calif.

BELTS—Dial Drive

General Cement Mfg. Co., 919 Taylor Ave.,
 Rockford, Ill.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave.,
 Brooklyn, N. Y. SEE ADV. PG. 112.
 Schott Co., Walter L., 9306 Santa Monica Blvd.,
 Beverly Hills, Calif.
 Ton-Tex Corp., 247 Pearl St., N. W., Grand
 Rapids 2, Mich.
WEBSTER SPRING CORP., 97 S. 5th St.,
 Brooklyn 11, N. Y. SEE ADV. PGS. 229, 233.

BENCH TEST SET-UPS

Cole Instrument Co., 1320 S. Grand Ave., Los
 Angeles 15, Calif.
 DeMornay-Budd Inc., 475 Grand Concourse,
 New York, N. Y.
 Gadgets Inc., 3629 N. Dixie Drive, Dayton 5,
 Ohio
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale,
 Pa.
SYLVANIA ELECTRIC PRODUCTS, INC., 500
 5th Ave., New York 18, N. Y. SEE ADV.
 PGS. 240-244.

BLOCKS—Fuse Blocks & Holders

Alden Products Co., 117 N. Main St., Brockton
 64, Mass.
BUSSMANN MFG. CO., St. Louis 7, Mo. SEE
 ADV. PG. 210.
 Dante Electric Mfg. Co., Bantam, Conn.
 Eby Inc., Hugh H., 4700 Stenton Ave., Phila.
 44, Pa.
 Franklin Mfg. Corp., A. W., 43-20 34th St.,
 Long Island City, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y.
 SEE ADV. PGS. 5-18.
 Insulation Mfg. Co., 11 New York Ave., Brooklyn,
 N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th
 Ave., Long Island City, N. Y. SEE ADV. PG.
 80.
JONES DIV., HOWARD B., Cinch Mfg. Corp.,
 2460 W. George St., Chicago 18, Ill. SEE
 ADV. PG. 190.
 Kolton Electric Mfg. Co., 123 N. J. Railroad
 Ave., Newark 5, N. J.
 Littelfuse, Inc., 4757 Ravenswood Ave., Chicago
 40, Ill.
 Morse Co., Frank W., 1300 Soldiers Field Rd.,
 Boston 35, Mass.
 Penn-Union Electric Corp., 315 State Street,
 Erie, Pa.
 Sherman Mfg. Co., H. B., 22 Barney St., Battle
 Creek, Mich.

BLOWERS—Small

Clarage Fan Co., Kalamazoo, Mich.
 Despatch Oven Co., 619 S. E. 8th St., Minneapolis
 14, Minn.
 Dynamic Air Engineering, Inc., 1619 So. Alameda
 St., Los Angeles 11, Calif.
 Eastern Air Devices, Inc., 585 Dean St., Brook-
 lyn 17, N. Y.
 Fasco Industries, Inc., Rochester 2, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y.
 SEE ADV. PGS. 5-18.
HAYDU BROS., Plainfield, N. J. SEE ADV.
 PG. 209.
 Heinze Electric Co., 685 Lawrence St., Lowell,
 Mass.
 Ideal Industries, Inc., Park & Borden Aves.,
 Sycamore, Ill.
 Ilg Electric Ventilating Co., 2850 N. Crawford
 Ave., Chicago 41, Ill.
 Johnson Fan & Blower Corp., 1319 W. Lake St.,
 Chicago 7, Ill.
 Johnson Gas Appliance Co., 520 Ave. E, N. W.,
 Cedar Rapids, Iowa.
 Leiman Bros., 114 Christie St., Newark 5, N. J.
 Martindale Electric Co., Box 617, Edgewater
 Branch, Cleveland 7, Ohio.
 Mission Electric Mfg. Co., 132 W. Colorado Blvd.,
 Pasadena, Calif.

Redmond Co., Inc., Owosso, Mich.
Ripley Co. Inc., P. O. Box 31, Middletown, Conn.
Rotron Division, 7-9 Schoonmaker Lane, Woodstock, N. Y.

BOARDS—Capacitor or Resistor

Aircraft Radio Corp., Boonton, N. J.
Alden Products Co., 117 No. Main St., Brockton 64, Mass.
Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
Edin Electronics Co., 207 Main Street, Worcester, Mass.
Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
Skaneateles Mfg. Co., Inc., 122 Dickerson St., Syracuse 2, N. Y.
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151.

BOBBINS—Coil Winding

Alden Products Co., 177 N. Main St., Brockton 14, Mass.
AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
BOND ELECTRONIC CORP., 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.
Boonton Molding Co., Boonton, N. J.
CENTRALAB, DIV. of Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
Chicago Die Mold Mfg. Co., 4001 Wrightwood Ave., Chicago 39, Ill.
Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
Coil Winders Inc., 61 Bergen St., Brooklyn 2, N. Y.
Davies Molding Co., Harry, 1428 N. Wells St., Chicago 10, Ill.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
General Ceramics & Steatite Corp., Keasbey, N. J.
Insulation Mfg. Co., 11 New York Ave., Brooklyn, N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y.
Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
Kirchberger & Co., Inc., M., 1425 Thirty-Seventh Street, Brooklyn 18, N. Y.
Kuhn & Jacob Molding & Tool Co., 1200 Southland St., Trenton, N. J.
Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
Mayfair Molded Products Corp., 4440 N. Elston Ave., Chicago 30, Ill.
Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
Multi-Products Tool Co., 123 Sussex Ave., Newark 4, N. J.
PRECISION PAPER TUBE CO., 2033 W. Charleston St. Chicago 47, Ill. SEE ADV. PG. 112.
Presto Electric Co., Inc., 4511 New York Ave., Union City, N. J.
Rogers Corp., Manchester, Conn.
S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
Sheffco Mfg. Co., 116 W. Ruby Ave., Palisades Park, N. J.
TELEX, INC., Telex Park, Minneapolis, Minn. SEE ADV. PG. 170.

BOLOMETERS

Baird Associates, Inc., 33 University Rd., Cambridge 38, Mass.
BALLANTINE LABS., INC., Boonton, M. J. SEE ADV. PG. 134.
Farrand Optical Co., Inc., Bronx Blvd. at 238th St., New York 66, N. Y.
Illinois Testing Labs., Inc., 420 N. LaSalle St., Chicago 10, Ill.
Microwave Equipment Co., North Caldwell, N. J.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
Thwing-Albert Instrument Co., 5351 Pulaski Ave., Phila. 44, Pa.

BOLTS

ALLMETAL SCREW PRODUCTS CO., INC., 33 Greene St., New York 13, N. Y. SEE ADV. PG. 32.
American Screw Co., Providence, R. I.
Chandler Products Co., 1491 Chardon Rd., Cleveland, Ohio
Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
Continental Screw Co., New Bedford, Mass.
Corbin Screw Div., American Hardware Corp., High, Myrtle & Grove Sts., New Britain, Conn.
Federal Screw Products, Inc., 224 W. Huron St., Chicago 10, Ill.
General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
Greene Mfg. Corp., G. G., Warren, Pa.
Harper Co., H. M., 2620 Fletcher St., Chicago 18, Ill.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
Lamson & Sessions Co., 1971 W. 85th St., Cleveland, Ohio
Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
National Screw & Mfg. Co., The, Cleveland 4, Ohio
New England Screw Co., Keene, N. H.
Parker-Kalon Corp., 200 Varick St., New York 14, N. Y.
Pawtucket Mfg. Co., 327 Pine St., Pawtucket, R. I.
Pheoll Mfg. Co., 5700 Roosevelt Rd., Chicago 50, Ill.
Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio
Russell, Burdsall & Ward Bolt and Nut Co., Midland Ave., Port Chester, N. Y.
St. Louis Screw & Bolt Co., 6900 Broadway, St. Louis 15, Mo.
Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
Sterling Bolt Co., 209 W. Jackson Blvd., Chicago 6, Ill.
Stronghold Screw Products, Inc., 216-222 West Hubbard St., Chicago 10, Ill.
Thomas Products, Inc., 9 Bentley St., Salem, Mass.
United Screw & Bolt Corp., 2513 W. Cullerton St., Chicago 8, Ill.

BOLTS—Expansion

Ackerman-Johnson Co., 625 W. Jackson Blvd., Chicago, Ill.
Arro Expansion Bolt Co., Boone Ave., Marion, Ohio.
Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
Chicago Expansion Bolt Co., 1338 W. Concord Pl., Chicago 22, Ill.
General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
Greene Mfg. Corp., G. G., Warren, Pa.
Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
National Lead Co., 111 Broadway, New York 6, N. Y.
National Screw & Mfg. Co., The, Cleveland 4, Ohio

New England Screw Co., Keene, N. H.
Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
STAR EXPANSION PRODUCTS CO., 147-149 Cedar St., New York 6, N. Y. SEE ADV. PG. 96.
Sterling Bolt Co., 209 W. Jackson Blvd., Chicago 6, Ill.
Thomas Products, Inc., 9 Bentley St., Salem, Mass.
United Screw & Bolt Corp., 2513 W. Cullerton St., Chicago 8, Ill.

BOLTS—Eye

Ackerman-Johnson Co., 625 W. Jackson Blvd., Chicago, Ill.
ALLMETAL SCREW PRODUCTS CO., INC., 33 Greene St., New York 13, N. Y. SEE ADV. PG. 32.
Central Screw Co., 3501 Shields Ave., Chicago 9, Ill.
Cuyahoga Spring Co., 10272 Berea Rd., Cleveland, Ohio
General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
Greene Mfg. Corp., G. G., Warren, Pa.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
La Magna Mfg. Co., Inc., East Rutherford, N. J.
Lamson & Sessions Co., 1971 W. 85th St., Cleveland, Ohio
Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
National Screw & Mfg. Co., The, Cleveland 4, Ohio
Oak Ridge Antennas Div. of Video Television, Inc., 239 E. 127th St., New York 35, N. Y.
Pawtucket Mfg. Co., 327 Pine St., Pawtucket, R. I.
St. Louis Screw & Bolt Co., 6900 Broadway, St. Louis 15, Mo.
Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
Stronghold Screw Products Inc., 216-222 West Hubbard St., Chicago 10, Ill.
Thomas Products, Inc., 9 Bentley St., Salem, Mass.
United Screw & Bolt Corp., 2513 W. Cullerton St., Chicago 8, Ill.

BOLTS—Toggle

Ackerman-Johnson Co., 625 W. Jackson Blvd., Chicago, Ill.
Arro Expansion Bolt Co., Boone Ave., Marion, Ohio
Chicago Expansion Bolt Co., 1338 W. Concord Pl., Chicago 22, Ill.
General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
Greene Mfg. Corp., G. G., Warren, Pa.
Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
STAR EXPANSION PRODUCTS CO., 147-149 Cedar St., New York 6, N. Y. SEE ADV. PG. 96.
Thomas Products, Inc., 9 Bentley St., Salem, Mass.

BOOMS—Microphone

AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
Berndt-Bach, Inc., 7377 Beverly Blvd., Los Angeles 36, Calif.
Olesen Co., Otto K., 1560 Vine St., Hollywood 28, Calif.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Special Products Co., Silver Spring, Md.

BOXES—Metal

ART-LLOYD METAL PRODUCTS CORP., 2973 Cropsy Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.
BUD RADIO, INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
Colgate Mfg. Corp., Lindenhurst, L. I., N. Y.
Columbia Metal Box Co., 260 E. 143rd St., New York, N. Y.
Dahlstrom Metallic Door Co., Jamestown, N. Y.

Eclipse Mfg. Co., Inc., 294 E. 137th St., New York 54, N. Y.
 Federal Electric Products Co., 50 Paris St., Newark, N. J.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Greene Mfg. Corp., G. G., Warren, Pa.
 Hall Co., Gordan L., Old Lyme, Conn.
 Hoffman Engineering Corp., Anoka, Minn.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
KARP METAL PRODUCTS CO., INC., 215 63rd St., Brooklyn 20, N. Y. SEE ADV. PG. 50.
 Kirk & Blum Mfg. Co., 2893 Spring Grove Ave., Cincinnati 25, Ohio
 Kolton Electric Mfg. Co., 123 N. J. Railroad Ave., Newark 5, N. Y.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Lindsay Corp., The, 1740 25th Ave., Melrose Park, Ill.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Minute Man Products, Inc., 309 E. 22nd St., New York 10, N. Y.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 National Electrical Machine Shops, Inc., 919 Jesup-Blair Dr., Silver Spring, Md.
OLYMPIC TOOL & MFG. CO., INC., 39 Chambers St., New York 7, N. Y. SEE ADV. PG. 174.
 Par-Metal Products Corp., 32-62 49th St., Long Island City 3, N. Y.
 Pierce Template Corp., 2646 N. Coral St., Philadelphia 25, Pa.
 Press Wireless Mfg. Co., Inc., Catiague Rd., Hicksville, L. I., N. Y.
 Radiad Service, 720 W. Schubert Ave., Chicago 14, Ill.
 REF Mfg. Corp., Jericho Turnpike, Mineola, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Robinson Aviation, Inc., Teterboro, N. J.
 Schuttig & Co., Inc., 9th & Kearney Sts., N. E., Washington 17, D. C.
 Sperman Metal Specialties, 27 Columbia Ave., Brooklyn 2, N. Y.
 Standard Pressed Steel Co., Jenkintown, Pa.
 Teiner Engineering Corp., 115 Madison St., Malden 48, Mass.
 Thomas Products, Inc., 9 Bentley St., Salem, Mass.
WALTER CO., S., 1400 Atlantic Ave., Brooklyn 16, N. Y. SEE ADV. PG. 173.
WEISS, JERRY L., 21 Plandome Rd., Manhasset, L. I., N. Y. SEE ADV. PG. 218.

BOXES—Waterproof

ART-LLOYD METAL PRODUCTS CORP., 2973 Cropsey Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.
 Colgate Mfg. Corp., Lindenhurst, L. I., N. Y.
 Dahlstrom Metallic Door Co., Jamestown, N. Y.
 Hoffman Engineering Corp., Anoka, Minn.
KARP METAL PRODUCTS CO., INC., 215 63rd St., Brooklyn 20, N. Y. SEE ADV. PG. 50.
 Kirk & Blum Mfg. Co., 2893 Spring Grove Ave., Cincinnati 25, Ohio
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Maritime Quality Hardware Co., Inc., Belfast, Maine
 Market Forge Co., Everett 49, Mass.
 O. Z. Electrical Mfg. Co., Inc., 262 Bond St., Brooklyn 2, N. Y.
 REF Mfg. Corp., Jericho Turnpike, Mineola, N. Y.
 Skydyne Inc., River Rd., Port Jervis, N. Y.
 Teiner Engineering Corp., 115 Madison St., Malden 48, Mass.

BRACKETS

Aerolite Electronics Hardware Corp., 24 Cliff St., Jersey City, N. J.
CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
 Colgate Mfg. Corp., Lindenhurst, L. I., N. Y.
 Edin Electronics Co., 207 Main Street, Worcester, Mass.
 Electronic Supply Co., 207 Main St., Worcester, Mass.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Falstrom Co., 44 Falstrom Court, Passaic, N. J.

Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 Fryling Mfg. Co., 639 W. 12th St., Erie, Pa.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Greene Mfg. Corp., G. G., Warren, Pa.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
KARP METAL PRODUCTS CO., INC., 215 63rd St., Brooklyn 20, N. Y. SEE ADV. PG. 50.
 Kirk & Blum Mfg. Co., 2893 Spring Grove Ave., Cincinnati 25, Ohio
 Kling Metal Spinning Co., 174 Centre St., New York 13, N. Y.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
 Minute Man Products, Inc., 309 E. 22nd St., New York 10, N. Y.
 National Electrical Machine Shops, Inc., 919 Jesup-Blair Dr., Silver Spring, Md.
 Oak Ridge Antennas Div. of Video Television, Inc., 239 E. 127th St., New York 35, N. Y.
OLYMPIC TOOL & MFG. CO., INC., 39 Chambers St., New York 7, N. Y. SEE ADV. PG. 174.
 Pierce Template Corp., 2646 N. Coral St., Philadelphia 25, Pa.
PREMAX PRODUCTS DIV., Chisholm-Ryder Co., Inc., Niagara Falls 2, N. Y. SEE ADV. PG. 44.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 REF Mfg. Corp., Jericho Turnpike, Mineola, N. Y.
 Robinson Aviation, Inc., Teterboro, N. J.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
STAVCO CO., INC., 91 Pearl St., Brooklyn 1, N. Y. SEE ADV. PG. 188.
 Technical Appliance Corp., Sherburne, N. Y.
 Teiner Engineering Corp., 115 Madison St., Malden 48, Mass.
 Thomas Products, Inc., 9 Bentley St., Salem, Mass.
 Wood Electric Co., Inc., C. D., 70-17 83rd St., Glendale, L. I., N. Y.

BRACKETS—f-m & Television Antenna

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
 Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Federal Engineering Co., 37 Murray St., New York 7, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Hi-Par Products Co., Fitchburg, Mass.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Interstate Mfg. Corp., 138 Sussex Ave., Newark 4, N. J.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 National Electronic Mfg. Corp., 35-05 36th St., Long Island City, N. Y.
 Network Mfg. Corp., Bayonne, N. J.
 Oak Ridge Antennas Div. of Video Television, Inc., 239 E. 127th St., New York 35, N. Y.
PREMAX PRODUCTS DIV., Chisholm-Ryder Co., Inc., Niagara Falls 2, N. Y. SEE ADV. PG. 44.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Technical Appliance Corp., Sherburne, N. Y.
 Teiner Engineering Corp., 115 Madison St., Malden 48, Mass.
 Telrex, Inc., Box 879, Rutherford & Neptune Highway, Asbury Park, N. J.
 Thomas Products, Inc., 9 Bentley St., Salem, Mass.
 Ward Products Corp., Div. of the Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio
 Wind Turbine Co., Tower & Antenna Div., E. Market St. & Penna. R.R., West Chester, Pa.

BREAKERS—Circuit

Electric Auto-Lite Co., The, Toledo 1, Ohio
 Fasco Industries, Inc., Rochester 2, N. Y.
GENERAL ELECTRIC CO., Construction Materials Dept., Bridgeport, Conn. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
HEINEMANN ELECTRIC CO., 97 Plum St., Trenton 2, N. J. SEE ADV. PG. 37.
I-T-E CIRCUIT BREAKER CO., 19th & Hamilton Sts., Phila. 30, Pa. SEE ADV. PGS. 48, 49.
 Kurman Electric Co., Inc., 35-18 37th St., L. I. City 1, N. Y.
 Littelfuse, Inc., 4757 Ravenswood Ave., Chicago 40, Ill.
 Spencer Thermostat Co., 34 Forest St., Attleboro, Mass.
 Trumbull Electric Mfg. Co., Plainville, Conn.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

BRIDGES—Capacitance

Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon
 Clippard Instrument Laboratory, Inc., 1125 Bank St., Cincinnati 14, Ohio
 Clough Brengle Co., 6014 N. Broadway, Chicago, Ill.
FREED TRANSFORMER CO., 1736 Weirfield St., Brooklyn 27, N. Y. SEE ADV. PG. 53.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Heath Co., Benton Harbor, Mich.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
SYLVANIA ELECTRIC PRODUCTS INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Thermionic Engineering Corp., Pompton Plains, N. J.

BRIDGES—Electrical

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass.
 Airborne Instruments Lab. Inc., 160 Old Country Rd., Mineola, N. Y.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Clough Brengle Co., 6014 N. Broadway, Chicago, Ill.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Conant Labs., 6500 O St., Lincoln 5, Neb.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Daven Co., 191 Central Ave., Newark 4, N. J.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Eppley Lab. Inc., Newport, R. I.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Heath Co., Benton Harbor, Mich.
 Industrial Instruments, Inc., 17 Pollack Ave., Jersey City 5, N. J.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 M. P. Concert Installations, Fairfield, Conn.
 McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
 Magnetic Products Corp., The, Norwalk, Conn.
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Network Mfg. Corp., Bayonne, N. J.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Radio City Prods. Co., Inc., 152 W. 25th St., New York 1, N. Y.

Reiner Electronics Co., 152 W. 25th Street, New York, N. Y.
 Rubicon Co., 3751 Ridge Ave., Phila., Pa.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Solar Mfg. Corp., 1445 Hudson Blvd., North Bergen, N. J.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Tech Laboratories, Inc., Bergen & Edsall Blvds., Palisades Park, N. J.
 Technology Instrument Corp., 1058 Main St., Waltham, Mass.
 Thermionic Engineering Corp., Pompton Plains, N. J.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
UNITED CONDENSER CORP., 337 E. 139th St., New York 54, N. Y. SEE ADV. PG. 225.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wheeler Laboratories, Inc., 259-09 Northern Blvd., Great Neck, N. Y.
 Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

BRIDGES—Temperature

Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Eppley Lab., Inc., Newport, R. I.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Precision Resistor Co., 334 Badger Ave., Newark 8, N. J.
 Rubicon Co., 3751 Ridge Ave., Phila., Pa.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
TRANS-SONICS, INC., Bedford Airport, Bedford, Mass. SEE ADV. PG. 132.
UNITED CONDENSER CORP., 337 E. 139th St., New York 54, N. Y. SEE ADV. PG. 225.
 Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

BRIDGES—Thermistor

Edo Corp., College Point, Long Island, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York, N. Y. SEE ADV. PGS. 240-244.

BROADCAST INPUT CONTROL EQUIPMENT

Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
 Collins Radio Co., Cedar Rapids, Iowa
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Langevin Manufacturing Corp., 37 W. 65th St., New York 23, N. Y.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Engineering Labs., Inc., 35-54 36th St., Long Island City, N. Y.
 Radio-Music Corp., Port Chester, N. Y.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
SUPERIOR ELECTRIC CO., THE, 83 Laurel St., Bristol, Conn. SEE ADV. PGS. 142, 143.

Tech Laboratories, Inc., Bergen & Edsall Blvds., Palisades Park, N. J.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

BRUSHES—Carbon & Graphite

Eagle Electric Mfg. Co., Inc., 2310 Bridge Plaza S., Long Island City, N. Y.
 Electro-Nite Carbon Co., 1133 E. Columbia Ave., Phila., 25, Pa.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GRAPHITE METALLIZING CORP., 1041 Nepperhan Ave., Yonkers 3, N. Y. SEE ADV. PG. 177.
 Helwig Co., 2544 N. 30th St., Milwaukee 10, Wis.
 Keystone Carbon Co., Inc., Saint Marys, Pa.
 Ohio Carbon Co., 12508 Berea Rd., Cleveland 11, Ohio
 Pure Carbon Co., St. Marys, Pa.
 St. Marys Carbon Co., State Road, St. Marys, Pa.
 Seager Carbon Co., 289 Church St., New York 13, N. Y.
 Sittler Corporation, 18 N. Ada St., Chicago 7, Ill.
 Speer Carbon Co., Lincoln Ave., St. Marys, Pa.
 Stackpole Carbon Co., St. Marys, Pa.
 Superior Carbon Products Co., 9115 George Ave., Cleveland 5, Ohio
 U.S. Graphite Co., Div. of the Wickes Corp., 1621 Holland Ave., Saginaw, Mich.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

BRUSHES—Metal-Graphite

GRAPHITE METALLIZING CORP., 1041 Nepperhan Ave., Yonkers 3, N. Y. SEE ADV. PG. 177.
 Helwig Co., 2544 N. 30th St., Milwaukee, Wis.
 Keystone Carbon Co., Inc., Saint Marys, Pa.
 Ohio Carbon Co., 12508 Berea Rd., Cleveland 11, Ohio
 Pure Carbon Co., St. Marys, Pa.
 St. Marys Carbon Co., State Road, St. Marys, Pa.
 Seager Carbon Co., 289 Church St., New York 13, N. Y.
 Sittler Corporation, 18 N. Ada St., Chicago 7, Ill.
 Speer Carbon Co., Lincoln Ave., St. Marys, Pa.
 Stackpole Carbon Co., St. Marys, Pa.
 Superior Carbon Products Co., 9115 George Ave., Cleveland 5, Ohio

BUS BAR SYSTEMS

Federal Electric Products Co., 50 Paris St., Newark, N. J.
 Kolton Electric Mfg. Co., 123 New Jersey Railroad Ave., Newark 5, N. J.
 Trumbull Electric Mfg. Co., Plainville, Conn.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

BUS BARS—Solderless

Aircraft-Marine Prods., Inc., 1523 No. 4th St., Harrisburg, Pa.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Frankel Connector Co., 177 Hudson St., New York, N. Y.
 Kolton Electric Mfg. Co., 123 N. J. Railroad Ave., Newark 5, N. Y.
 Revere Copper and Brass, Inc., 230 Park Ave., New York 17, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

BUSHINGS—Hermetically Sealed

CENTRALAB, Div. of Globe-Union Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.
 Corning Glass Works, Corning, N. Y.
ELECTRICAL INDUSTRIES, INC., 42 Summer Ave., Newark 4, N. J. SEE ADV. PG. 132.
 General Ceramics & Steatite Corp., Keasbey, N. J.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

Hermaseal Co., Inc., Riverside Drive, Elkhart, Ind.
HERMETIC SEAL PRODUCTS CO., 29-37 So. 6th St., Newark, N. J. SEE ADV. PG. 223.
HEYMAN MFG. CO., 300 Michigan Ave., Kenilworth, N. J. SEE ADV. PG. 222.
 Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
 Lunday Associates, Mfg. Div., 694 Main St., Waltham 54, Mass.
STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.
 Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif.
 United Insulator Co., Ltd., Tolworth-Surbiton-Surrey, England
 Wheaton Co., T. C., Industrial Div., 220 G St., Millville, N. J.

BUSHINGS—Nonmetallic

Aerolite Electronics Hardware Corp., 24 Cliff St., Jersey City, N. J.
AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
 Auburn Mfg. Co., Middletown, Conn.
 Beach Precision Parts Co., Boonton, N. J.
BIWAX CORP., 3445 Howard St., Skokie, Ill. SEE ADV. PG. 206.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
CENTRALAB, Div. of Globe-Union Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.
CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Delaware. SEE ADV. PGS. 119-122.
 Corning Glass Works, Corning, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 General Ceramics & Steatite Corp., Keasbey, N. J.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 Heli-Coil Corp., 47-23 35th St., Long Island City 1, N. Y.
HEYMAN MFG. CO., 300 Michigan Ave., Kenilworth, N. J. SEE ADV. PG. 222.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., L. I. City, N. Y. SEE ADV. PG. 80.
 Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
 Kilburn Glass Co., Inc., J. R., 22 S. Worcester St., Chertley, Mass.
 Kirchnerberger & Co., Inc., M., 1425 37th St., Brooklyn 18, N. Y.
 Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
 Mayfair Molded Products Corp., 4440 N. Elston Ave., Chicago 30, Ill.
MYCALEX CORP. OF AMERICA, 60 Clifton Blvd., Clifton, N. J. SEE ADV. PGS. 124, 125.
NATIONAL CARBON CO., INC., Unit of Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y. SEE ADV. PG. 57.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 O.Z. Electrical Mfg. Co., Inc., 262 Bond St., Brooklyn 2, N. Y.
 Panelyte Div., St. Regis Paper Co., 230 Park Ave., New York, N. Y.
 Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
 Precision Fabricators, Inc., Roosevelt Rd., E. Rochester, N. Y.
 Printloid Inc., 95 Mercer St., New York, N. Y.
 Pure Carbon Co., St. Marys, Pa.
 Sheffco Mfg. Co., 116 W. Ruby Ave., Palisades Park, N. J.
 Spaulding Fibre Co., Inc., 310 Wheeler St., Tonawanda, N. Y.
STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.
 United Radio Mfg. Co., 191 Greenwich St., New York, N. Y.
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
 Waterbury Companies, Inc., Waterbury 90, Conn.
 Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington 99, Del.

CABINETS

See Also Housings

CABINETS—Metal

Alden Products Co., 117 N. Main St., Brockton, Mass.
ART-LLOYD METAL PRODUCTS CORP., 2973 Cropsey Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.
 Bardwell & McAlister, Inc., P. O. Box 1310, Hollywood, Calif.
BUCK ENGINEERING CO., 37-41 Marcy St., Freehold, N. J. SEE ADV. PG. 224.
BUD RADIO INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Colgate Mfg. Corp., Lindenhurst, L. I., N. Y.
 Columbia Metal Box Co., 260 E. 143rd St., New York, N. Y.
 Continental Electronics Mfg. Co., 1728 Wood St., Dallas 1, Texas
 Dahlstrom Metallic Door Co., Jamestown, N. Y.
 Eclipse Mfg. Co., Inc., 294 E. 137th St., New York 54, N. Y.
 Edin Electronics Co., 207 Main St., Worcester, Mass.
 Electronic Supply Co., 207 Main St., Worcester, Mass.
 Emerson Radio & Phonograph Corp., 111 8th Ave., New York, N. Y.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Falstrom Co., 44 Falstrom Court, Passaic, N. J.
 Foxboro Co., The, Foxboro, Mass.
 Gadgets, Inc., 3629 N. Dixie Dr., Dayton 5, Ohio
 Grammes & Sons, Inc., L. F., 389 Union St., Allentown 2, Pa.
 Gray Mfg. Co., 16 Arbor St., Hartford, Conn.
 Greene Mfg. Corp., G. G., Warren, Pa.
 Hall Co., Gordon L., Old Lyme, Conn.
 Heath Co., Benton Harbor, Mich.
 Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., L. I. City, N. Y. SEE ADV. PG. 80.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Johnson Co., E. F., Waseca, Minn.
KARP METAL PRODUCTS CO., INC., 215 63rd St., Brooklyn 20, N. Y. SEE ADV. PG. 50.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 Kirk & Blum Mfg. Co., 2893 Spring Grove Ave., Cincinnati 25, Ohio
 Kolton Electric Mfg. Co., 123 N. J. Railroad Ave., Newark 5, N. J.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Lindsay Corp., The, 1740 25th Ave., Melrose Park, Ill.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Lorentzen Inc., H. K., 391 W. Broadway, New York 12, N. Y.
 Lyman Electronic Corp., 12 Cass St., Springfield, Mass.
 McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
 Market Forge Co., Everett 49, Mass.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Minute Man Products, Inc., 309 E. 22nd St., New York 10, N. Y.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Newcomb Audio Products Co., 6824 Lexington Ave., Hollywood 38, Calif.
OLYMPIC TOOL & MFG. CO., INC., 39 Chambers St., New York 7, N. Y. SEE ADV. PG. 174.
 Par-Metal Products Corp., 32-62 49th St., L. I. City 3, N. Y.
 Paul & Beekman Inc., 1801 Cortland St., Philadelphia 40, Pa.

Pierce Template Corp., 2646 N. Coral St., Philadelphia 25, Pa.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Radiad Service, 720 W. Schubert Ave., Chicago 14, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 REF Mfg. Corp., Jericho Turnpike, Mineola, N. Y.
 Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Schuttig & Co., Inc., 9th & Kearney Sts., N.E., Washington 17, D. C.
 Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.
 Special Products Co., Silver Spring, Md.
 Sperman Metal Specialties, 27 Columbia Place, Brooklyn 2, N. Y.
 Standard Pressed Steel Co., Jenkintown, Pa.
 Teiner Engineering Corp., 115 Madison St., Malden 48, Mass.
 Vendo Co., 7400 E. 12th St., Kansas City 8, Mo.
WALTER CO., S., 1400 Atlantic Ave., Brooklyn 16, N. Y. SEE ADV. PG. 173.
WEISS, JERRY L., 21 Plandome Rd., Manhasset, L. I., N. Y. SEE ADV. PG. 218.

CABINETS—Plastic

American Hard Rubber Co., 11 Mercer St., New York 13, N. Y.
 Arc Radio Corp., 634 Myrtle Ave., Brooklyn, N. Y.
 Boonton Molding Co., Boonton, N. J.
 Catalin Corp. of America, 1 Park Ave., New York 16, N. Y.
 Chicago Die Mold Mfg. Co., 4001 Wrightwood Ave., Chicago 39, Ill.
 Consolidated Molded Products Corp., Scranton 2, Pa.
 Emerson Radio & Phonograph Corp., 111 8th Ave., New York, N. Y.
ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109.
 Felsenthal & Sons, Inc., G., 4100 W. Grand Ave., Chicago 51, Ill.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 Hawley Products Co., St. Charles, Ill.
 Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.
 Inland Plastic of America, Inc., 20 W. 30th St., New York, N. Y.
 Kuhn & Jacob Molding & Tool Co., 1200 Southard St., Trenton, N. J.
 Kurz-Kasch, Inc., 1415 S. Broadway, Dayton 1, Ohio
 Lyman Electronic Corp., 12 Cass St., Springfield, Mass.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
 National Molding Co., 2141 W. Washington Blvd., Los Angeles 7, Calif.
 Norton Labs., Inc., Lockport, N. Y.
 Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
 Richardson Co., The, Melrose Park, Ill.
 Shaw Insulator Co., 160 Coit St., Irvington 11, N. J.
 Stokes Molded Products, Inc., Taylor St., at Webster, Trenton, N. J.
 Syracuse Ornamental Co., Inc., 581 S. Clinton St., Syracuse, N. Y.
 Taylor Mfg. Co., 3056 W. Meinecke Ave., Milwaukee 10, Wisc.
 Topping Mfg. Co., 3597 Mission St., San Francisco 10, Calif.
 U. S. Plastics Corp., 2835-53 Irving Park Rd., Chicago, Ill.
 Waterbury Companies, Inc., Waterbury 90, Conn.

CABINETS—Wood

A & M Woodcraft, Inc., 419 W. 49th St., New York 19, N. Y.
 Air-King Products Co., Inc., 170 53rd St., Brooklyn, N. Y.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
 Arc Radio Corp., 634 Myrtle Ave., Brooklyn, N. Y.

Brunswick Radio & Television Div., Radio & Television, Inc., 244 Madison Ave., New York, N. Y.
 Castlewood Mfg. Co., 12th & Burnett Sts., Louisville, Ky.
 Five Star Radio Co., 416 Broadway, Cambridge, Mass.
 Garrard Sales Corp., 315 Broadway, New York 7, N. Y.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.
 Hollywood Radio Cabinet Co., 924 N. Formosa Ave., Hollywood, Calif.
 Illinois Wood Products Corp., 1656 No. Besly Court, Chicago 22, Ill.
 Ingrahm Co., E., Bristol, Conn.
 Jensen Mfg. Co., 6601 S. Laramie Ave., Chicago 38, Ill.
 Kent Woodcraft Corp., 2-20 Hooper St., Brooklyn 11, N. Y.
 Klipsch & Associates, Hope, Arkansas
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Lear, Inc., 110 Ionia Ave., N. W., Grand Rapids 2, Mich.
 Midwest Radio Corp., 909 Broadway, Cincinnati 2, Ohio
 Radiad Service, 720 W. Schubert Ave., Chicago 14, Ill.
 Radio Merchandise Sales, 550 Westchester Ave., New York 55, N. Y.
 Rek-O-Kut Co., Inc., 3801 Queens Blvd., Long Island City, N. Y.
 Skydye Inc., River Road, Port Jervis, N. Y.
 Stark Sound Engineering Co., 2131 Fairfield, Fort Wayne 7, Ind.
 Steger Furniture Mfg. Co., Steger, Ill.
 Tel-Craft Co., 108 Havemeyer St., Brooklyn 11, N. Y.
TRANSVISION INC., 460 North Ave., New Rochelle, N. Y. SEE ADV. PG. 172.
 United Wood Specialty Mfg. Co., Inc., 951 Broadway, Fall River, Mass.
 Wallace Mfg. Co., Inc., Wm. T., Chile & Madison Ave., Peru, Ind.
 Woodcraft Corp., 501 Salzburg Ave., Bay City, Mich.

CABLE ASSEMBLIES

Accurate Insulated Wire Corp., 25 Fox St., New Haven, Conn.
 Aerolite Electronic Hardware Co., 24 Cliff St., Jersey City, N. J.
 Alden Products Co., 117 N. Main St., Brockton 64, Mass.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
 American Electric Cable Co., Holyoke, Mass.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
 Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.
 Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
 Carol Cable Co., 190 Middle St., Pawtucket, R. I.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Columbus Electronics Corp., 229 S. Waverly St., Yonkers, N. Y.
 Cords Ltd., 780 Frelinghuysen Ave., Newark 5, N. J.
 Electric Auto-Lite Co., The, Toledo 1, Ohio
 Englewood Electrical Supply Co., 5801 S. Halsted St., Chicago, Ill.
 Espey Mfg. Co., Inc., 523 E. 72nd St., New York, N. Y.
 Essex Wire Corp., 1601 Wall St., Ft. Wayne 6, Ind.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City 1, N. Y.
 Haft & Sons, Inc., 79 Third St., Brooklyn 31, N. Y.
 Industrial Products Co., Danbury, Conn.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Interstate Mfg. Corp., 138 Sussex Ave., Newark 4, N. J.
 Kraft & Kraft, Hicksville, N. Y.
 MacLeod & Hanopol, 10 Joiner St., Charlestown 29, Mass.
 Marco Industries, 210 S. Clementine, Anaheim, Calif.
 Micarta Fabricators, Inc., 5324 Ravenswood Ave., Chicago 40, Ill.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
 Network Mfg. Co., Bayonne, N. J.
 Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.
 Pacific Electricord Company, 9304 Santa Monica Blvd., Beverly Hills, Calif.
 Phalo Plastics Corp., 25 Foster St., Worcester 8, Mass.
 Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Rostan Corp., 202 E. 44th St., New York 17, N. Y.
 Searle Aero Industries, Inc., Orange, Calif.
 Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 Surprenant Mfg. Co., 199 Washington St., Boston 10, Mass.
 Tensolite Corp., The, 17 E. 42nd St., New York 17, N. Y.
 Thermionic Engineering Corp., Pompton Plains, N. J.
 Transmitter Equipment Co., 345 Hudson St., New York 14, N. Y.
 Ward Products Corp., Div. of the Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
 Whitaker Cable Corp., Kansas City 16, Mo.

CABLE HOOKS

Minerallac Electric Co., 25 N. Peoria St., Chicago, Ill.

CABLE—Coaxial Flexible

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
AIRTRON INC., 101 E. Elizabeth Ave., Linden, N. J. SEE ADV. PG. 146.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 American Steel & Wire Co., U. S. Steel Corp., Subs., Rockefeller Bldg., Cleveland 13, Ohio
 Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
ANCHOR PLASTICS CO., INC., 533-541 Canal St., New York 13, N. Y. SEE ADV. PG. 200.
 Andrew Corp., 363 East 75th St., Chicago 19, Ill.
 Ansonia Electrical Co., 63 Main St., Ansonia, Conn.
 Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.
BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Communication Products Co., Inc., Broadway & Clark St., Keyport, N. J.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Cords Ltd., 780 Frelinghuysen Ave., Newark 5, N. J.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Federal Wire & Cable Corp., Haverstraw, N. Y.
 General Cable Corp., 420 Lexington Ave., New York, N. Y.

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 General Insulated Wire Works, Inc., 69 Gordon Ave., Providence 5, R. I.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Johnson Co., E. F., Waseca, Minn.
 Okonite Co., Canal St., Passaic, N. J.
 Phalo Plastics Corp., 25 Foster St., Worcester 8, Mass.
 Phelps Dodge Copper Products Corp., 40 Wall Street, New York 5, N. Y.
 Plastic Wire & Cable Corp., Jewett City, Conn.
 Plastoid Corp., 10 Mill Rd., Hamburg, N. J.
 Simplex Wire & Cable Co., 79 Sidney St., Cambridge 39, Mass.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Surprenant Mfg. Co., 199 Washington St., Boston 10, Mass.
 Tensolite Corp., The, 17 E. 42nd St., New York 17, N. Y.
 Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.
 Whitney Blake Co., New Haven, Conn.
 Workshop Associates, Inc., The, 66 Needham St., Newton Highlands 61, Mass.

CABLE—Coaxial Rigid

Alpha Wire Corp., 50 Howard St., New York, N. Y.
 Anaconda Wire & Cable Co., 25 B'way, New York 4, N. Y.
ANCHOR PLASTICS CO., INC., 533-541 Canal St., New York 13, N. Y. SEE ADV. PG. 200.
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
 Communication Products Co., Inc., Broadway & Clark Street, Keyport, N. J.
 General Ceramics & Steatite Corp., Keasbey, N. J.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Johnson Co., E. F., Waseca, Minn.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Precision Tube Co., Inc., 3828 Terrace St., Phila. 28, Pa.
 Rice's Sons, Inc., Bernard, 325 Fifth Ave., New York 11, N. Y.
 Rockbestos Products Corp., 308 Nicoll St., New Haven 4, Conn.
 Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Workshop Associates, Inc., The, 66 Needham St., Newton Highlands 61, Mass.

CABLE—Insulated

Accurate Insulated Wire Corp., 25 Fox St., New Haven, Conn.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Electric Cable Co., Holyoke, Mass.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio
 Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
 Ansonia Electrical Co., 63 Main St., Ansonia, Conn.
 Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.
BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
 Carol Cable Co., 190 Middle St., Pawtucket, R. I.
 Chase Brass & Copper Co., Inc., 236 Grand St., Waterbury 91, Conn.
 Collyer Insulated Wire Co., 249 Roosevelt Ave., Pawtucket, R. I.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.

Cords Ltd., 780 Frelinghuysen Ave., Newark 5, N. J.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 Electric Auto-Lite Co., Toledo 1, Ohio
 Essex Wire Corp., 1601 Wall St., Ft. Wayne 6, Ind.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Federal Wire & Cable Corp., Haverstraw, N. Y.
 General Cable Corp., 420 Lexington Ave., New York, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 General Insulated Wire Works, Inc., 69 Gordon Ave., Providence 5, R. I.
 Goldmark Wire Co., James, The, 75 Murray St., New York 7, N. Y.
 Hazard Insulated Wire Works, Div., The, Okonite Co., Wilkes-Barre, Pa.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Interstate Mfg. Corp., 138 Sussex Ave., Newark 4, N. J.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
 Lowell Insulated Wire Co., Lowell, Mass.
 Okonite Co., Canal St., Passaic, N. J.
 Phalo Plastics Corp., 25 Foster St., Worcester 8, Mass.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Plastic Wire & Cable Corp., Jewett City, Conn.
 Plastoid Corp., 10 Mill Rd., Hamburg, N. J.
 Rockbestos Products Corp., 308 Nicoll St., New Haven 4, Conn.
 Roebing's Sons Co., John A., 640 Broad St., Trenton 2, N. J.
ROME CABLE CORP., 330 Ridge St., Rome, N. Y. SEE ADV. PG. 38.
 Searle Aero Industries, Inc., Orange, Calif.
 Simplex Wire & Cable Co., 79 Sidney St., Cambridge 39, Mass.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Tensolite Corp., The, 17 E. 42nd St., New York 17, N. Y.
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Western Insulated Wire Co., 1001 E. 62nd St., Los Angeles 1, Calif.
 Whitney Blake Co., New Haven, Conn.
 Willard Storage Battery Co., 246 E. 131st St., Cleveland 1, Ohio

CABLE—Microphone

Accurate Insulated Wire Corp., 25 Fox St., New Haven, Conn.
 Alden Products Co., 117 N. Main St., Brockton 64, Mass.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Electric Cable Co., Holyoke, Mass.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 American Steel & Wire Co., U. S. Steel Corp., Subs., Rockefeller Bldg., Cleveland 13, Ohio
 Ansonia Electrical Co., 63 Main St., Ansonia, Conn.
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
 Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.
BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
 Carol Cable Co., 190 Middle St., Pawtucket, R. I.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.

Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
Cords Ltd., 780 Frelinghuysen Ave., Newark 5, N. J.

CORNISH WIRE CO., 15 Park Row, New York 7, N. Y. SEE ADV. PG. 24.

Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada

Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.

Federal Wire & Cable Corp., Haverstraw, N. Y.
General Cable Corp., 420 Lexington Ave., New York, N. Y.

General Insulated Wire Works, Inc., 69 Gordon Ave., Providence 5, R. I.

Goldmark Wire Co., James, The, 75 Murray St., New York 7, N. Y.

Hazard Insulated Wire Works, Div., The, Okonite Co., Wilkes-Barre, Pa.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.

J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.

Phalo Plastics Corp., 25 Foster St., Worcester 8, Mass.

Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.

Plastic Wire & Cable Corp., Jewett City, Conn.
Plastoid Corp., 10 Mill Rd., Hamburg, N. J.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Roebing's Sons Co., John A., 640 Broad St., Trenton 2, N. J.

ROME CABLE CORP., 330 Ridge St., Rome, N. Y. SEE ADV. PG. 38.

Scott Inc., Herman Hosmer, 385 Putnam Ave., Cambridge 39, Mass.

Simplex Wire & Cable Co., 79 Sidney St., Cambridge 39, Mass.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

Tensolite Corp., The, 17 E. 42nd St., New York 17, N. Y.

U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.

Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

Western Insulated Wire Co., 1001 E. 62nd St., Los Angeles 1, Calif.

Whitney Blake Co., New Haven, Conn.

CABLE—Shielded

Accurate Insulated Wire Corp., 25 Fox St., New Haven, Conn.

Alden Products Co., 117 No. Main St., Brockton 64, Mass.

Alpha Wire Corp., 50 Howard St., New York, N. Y.

American Electric Cable Co., Holyoke, Mass.

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.

American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio

Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.

Ansonia Electrical Co., 63 Main St., Ansonia, Conn.

ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.

Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.

Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.

Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.

BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.

Carol Cable Co., 190 Middle St., Pawtucket, R. I.

Collyer Insulated Wire Co., 249 Roosevelt Ave., Pawtucket, R. I.

Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.

Consolidated Wire & Associated Companies 1635 S. Clinton St., Chicago 16, Ill.

CORNISH WIRE CO., 15 Park Row, New York 7, N. Y. SEE ADV. PG. 24.

Cords Ltd., 780 Frelinghuysen Ave., Newark 5, N. J.

Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada

Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.

Electric Auto-Lite Co., Toledo 1, Ohio

Federal Wire & Cable Corp., Haverstraw, N. Y.

General Cable Corp., 420 Lexington Ave., New York, N. Y.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

General Insulated Wire Works, Inc., 69 Gordon Ave., Providence 5, R. I.

Goldmark Wire Co., James, The, 75 Murray St., New York 7, N. Y.

Hazard Insulated Wire Works, Div., The, Okonite Co., Wilkes-Barre, Pa.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.

J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.

Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.

Okonite Co., Canal St., Passaic, N. J.

Phalo Plastics Corp., 25 Foster St., Worcester 8, Mass.

Phelps Dodge Copper Products Corp., 40 Wall Street, New York 5, N. Y.

Plastic Wire & Cable Corp., Jewett City, Conn.

Plastoid Corp., 10 Mill Rd., Hamburg, N. J.

Precision Tube Co., Inc., 3828 Terrace St., Philadelphia 28, Pa.

Rockbestos Products Corp., 308 Nicoll St., New Haven 4, Conn.

Roebing's Sons Co., John A., 640 Broad St., Trenton 2, N. J.

ROME CABLE CORP., 330 Ridge St., Rome, N. Y. SEE ADV. PG. 38.

Searle Aero Industries, Inc., Orange, Calif.

Simplex Wire & Cable Co., 79 Sidney St., Cambridge 39, Mass.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

Tensolite Corp., The, 17 E. 42nd St., New York 17, N. Y.

U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.

Uniform Tubes, Shurs Lane & Laruiston Sts., Roxborough, Phila., Pa.

Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

Western Insulated Wire Co., 1001 E. 62nd St., Los Angeles 1, Calif.

Whitney Blake Co., New Haven, Conn.

CABLE—Transmission Line

Accurate Insulated Wire Corp., 25 Fox St., New Haven, Conn.

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.

Alpha Wire Corp., 50 Howard St., New York, N. Y.

American Electric Cable Co., Holyoke, Mass.

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.

American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio

Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.

Andrew Corp., 363 E. 75th St., Chicago 19, Ill.

Ansonia Electrical Co., 63 Main St., Ansonia, Conn.

Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.

Birnbach Radio Co. Inc., 145 Hudson St., New York, N. Y.

Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.

BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.

Carol Cable Co., 190 Middle St., Pawtucket, R. I.

Chase Brass & Copper Co., Inc., Waterbury 91, Conn.

Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.

Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.

Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.

Diamond Wire & Cable Co., Sycamore, Ill.

Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 19, Ill.

Essex Wire Corp., 1601 Wall St., Ft. Wayne 6, Ind.

FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

Federal Wire & Cable Corp., Haverstraw, N. Y.

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.

General Insulated Wire Works, Inc., 69 Gordon Ave., Providence 5, R. I.

Interstate Mfg. Corp., 138 Sussex Ave., Newark 4, N. J.

J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.

Johnson Co., E. F., Waseca, Minn.

Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.

Phalo Plastics Corp., 25 Foster St., Worcester 8, Mass.

Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.

Plastic Wire & Cable Corp., Jewett City, Conn.

Plastoid Corp., 10 Mill Rd., Hamburg, N. J.

Precision Tube Co., Inc., 3828 Terrace St., Philadelphia 28, Pa.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Rome Cable Corp., 330 Ridge St., Rome, N. Y.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

Surprenant Mfg. Co., 199 Washington St., Boston 10, Mass.

Technical Appliance Corp., Sherburne, N. Y.

U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.

Ward Products Corp., Div. of The Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio

Whitney Blake Co., New Haven, Conn.

CABLE—uhf

American Electric Cable Co., Holyoke, Mass.

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.

Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.

Andrew Corp., 363 E. 75th St., Chicago 19, Ill.

Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.

Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.

Communication Products Co., Inc., Broadway & Clark St., Keyport, N. J.

Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada

Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.

FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

General Cable Corp., 420 Lexington Ave., New York, N. Y.

General Insulated Wire Works, Inc., 69 Gordon Ave., Providence 5, R. I.

J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.

Okonite Co., Canal St., Passaic, N. J.

Phalo Plastics Corp., 25 Foster St., Worcester 8, Mass.

Plastic Wire & Cable Corp., Jewett City, Conn.

Precision Tube Co., Inc., 3828 Terrace St., Philadelphia 28, Pa.

Simplex Wire & Cable Co., 79 Sidney St., Cambridge 39, Mass.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London W. C. 2, England

Ward Products Corp., Div. of The Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio

CALIBRATORS—Sweep

BROWNING LABORATORIES, INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.

Clarkstan Corp., 11927 W. Pico Blvd., Los Angeles 34, Calif.

Coastwise Electronics Corp., Inc., 130 N. Beaudry Ave., Los Angeles, Calif.

Heath Co., Benton Harbor, Mich.

INDUSTRIAL ELECTRONICS, INC., 2457 Woodward Ave., Detroit 1, Mich. SEE ADV. PG. 226.

Measurement Engineering, Ltd., Arnprior, Ontario, Canada

Network Mfg. Corp., Bayonne, N. J.

Owen Laboratories, 9130 Orion St., San Fernando, Calif.

Precision Apparatus Co., Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Thermionic Engineering Corp., Pompton Plains, N. J.

CALIBRATORS—uhf

Ferris Instrument Co., 110 Cornelia St., Boonton, N. J.
LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.
 Measurement Engineering, Ltd., Arnprior, Ontario, Canada
 Radio Specialty Mfg. Co., 2023 S. E. Sixth Ave., Portland 14, Ore.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Thermionic Engineering Corp., Pompton Plains, N. J.

CAMERAS—Cathode Ray Oscillograph

American British Technology, Inc., 57 Park Ave., New York 16, N. Y.
BROWNING LABORATORIES, INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
 Commercial Research Labs, Inc., 20 Bartlett Ave., Detroit 3, Mich.
 Communication Measurements Lab., Inc., 120 Greenwich St., New York, N. Y.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Du Mont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J.
ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.
 Fairchild Camera & Instrument Corp., 88-06 Van Wyck Blvd., Jamaica 1, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Heiland Research Corp., 130 E. 5th Ave., Denver 9, Colo.
 Jerome Camera & Instrument Corp., Massapequa, N. Y.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
RAHM INSTRUMENTS, INC., 12 W. Broadway, New York 7, N. Y. SEE ADV. PG. 222.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
 Warrick, Frederick P., 8666 Grandville, Detroit 10, Mich.

CAMERAS—Radar Recording

Fairchild Camera & Instrument Corp., 88-06 Van Wyck Blvd., Jamaica 1, N. Y.

CAMERAS—Television

Berndt-Bach, Inc., 7377 Beverly Rd., Los Angeles 36, Calif.
 Douglas Radio Labs., 40 Wayland St., Boston 25, Mass.
 Du Mont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J.
 Jerome Camera & Instrument Corp., Massapequa, N. Y.
POLARAD ELECTRONICS CO., 9 Ferry St., New York 7, N. Y. SEE ADV. PG. 228.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Remington Rand, Inc., Systems Div., Vericon Dept., S. Norwalk, Conn.
 Television Equipment Corp., 238 William St., New York 7, N. Y.
 Television Projects, Inc., 3660 Coral Way, Miami 35, Fla.

CAMERAS—X-Ray

Central Research Laboratories, Inc., Red Wing, Minn.
 Distillation Products, Inc., Vacuum Equipment Div., 755 Ridge Rd., W., Rochester, N. Y.
 Fairchild Camera & Instrument Corp., 88-06 Van Wyck Blvd., Jamaica 1, N. Y.

North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
 Picker X-Ray Corp., 300 Fourth Ave., New York 10, N. Y.
 Triplett & Barton, Inc., 831 N. Lake St., Burbank, Calif.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CANS

Colgate Mfg. Corp., Lindenhurst, L. I., N. Y.
 Craft Mfg. Co., 3949 W. Schubert St., Chicago, Ill.
 Falstrom Co., 44 Falstrom Court, Passaic, N. J.
 Greene Mfg. Corp., G. G., Warren, Pa.
 Guthman Inc., Edwin I., 155 Throop St., Chicago, Ill.
 Kirk & Blum Mfg. Co., 2893 Spring Grove Ave., Cincinnati 25, Ohio
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
OLYMPIC TOOL & MFG. CO., INC., 39 Chambers St., New York 7, N. Y. SEE ADV. PG. 174.
 Paul & Beekman Inc., 1801 Cortland St., Philadelphia 40, Pa.
 Radiad Service, 720 W. Schubert Ave., Chicago 14, Ill.
 REF Mfg. Corp., Jericho Turnpike, Mineola, N. Y.
 Teimer Engineering Corp., 115 Madison St., Malden 48, Mass.
 Thomas Products, Inc., 9 Bentley St., Salem, Mass.
 Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif.
 Worcester Pressed Aluminum Corp., 13-15 Hope Ave., Worcester 3, Mass.
 Worcester Pressed Steel Co., 100 Barber Ave., Worcester, Mass.

CANS—Hermetically Sealed

Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
ELECTRICAL INDUSTRIES, INC., 42 Summer Ave., Newark, N. J. SEE ADV. PG. 132.
ELECTRO-SEAL CORP., 946 Lee St., Des Plaines, Ill. SEE ADV. PG. 90.
 Fusite Corp., Carthage at Hannaford, Cincinnati 12, Ohio
 Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Radiad Service, 720 W. Schubert Ave., Chicago 14, Ill.
 Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif.

NOTE:

Throughout all capacitor listings:
(h) indicates hermetically sealed types
(p) indicates pressure types
(v) indicates vacuum types

CAPACITORS—Ceramic Fixed

Automatic Mfg. Corp., 65 Gouverneur St., Newark, N. J.
CENTRALAB DIV. of Globe-Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
ELECTRICAL REACTANCE CORP., Elm St., Franklinville, N. Y. SEE ADV. PGS. 82, 83.
ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109. (h)
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.
 Maida Development Co., 12 E. Howard St., Phoebus, Va.
 Herlec Corp., The, 422 N. Fifth St., Milwaukee 3, Wis. (h) (p) (v)

Micamold Radio Corp., 1087 Flushing Ave., Brooklyn 6, N. Y.
 Muter Co., 1255 S. Michigan Ave., Chicago, Ill.
 Sprague Electric Co., North Adams, Mass.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 United Insulator Co., Ltd., Tolworth-Surbiton-Surrey, England

CAPACITORS—Ceramic Transmitting

CENTRALAB DIV. of Globe-Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109. (h)
 General Ceramics & Steatite Corp., Keasbey, N. J.
 Maida Development Co., 12 E. Howard St., Phoebus, Va.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 United Insulator Co., Ltd., Tolworth-Surbiton-Surrey, England

CAPACITORS—Ceramic Trimmer

CENTRALAB DIV. of Globe-Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109. (h)
STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.

CAPACITORS—Electrolytic

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass. (h)
 American Condenser Co., 4410 Ravenswood Ave., Chicago 40, Ill. (h)
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., South Plainfield, N. J. SEE ADV. PG. 87.
 Cosmic Radio Corp., 699 E. 135th St., New York, N. Y.
 Deutschmann Corp., Tobe, Norwood, Mass. (h)
 Dumont Electric Co., 308 Dyckman St., New York, N. Y. (h) (p) (v)
ILLINOIS CONDENSER CO., 1616 N. Throop St., Chicago, Ill. SEE ADV. PG. 226. (h) (p) (v)
 Industrial Condenser Corp., 3243 No. Calif. Ave., Chicago 18, Ill. (h)
 Magnavox Co., The, Components Div., Fort Wayne 4, Indiana
MALLORY & CO., INC., P. R., 3029 E. Washington Street, Indianapolis 6, Ind. SEE ADV. PGS. 71-74. (h) (p) (v)
 Micamold Radio Corp., 1087 Flushing Ave., Brooklyn 6, N. Y. (p)
 Pyramid Electric Co., 155 Oxford St., Paterson, N. J.
 Sangamo Electric Co., Springfield, Illinois (h)
 Solar Mfg. Corp., 1445 Hudson Blvd., North Bergen, N. J.
 Sprague Electric Co., North Adams, Mass.

CAPACITORS—Energy Storage

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass. (h)
CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., S. Plainfield, N. J. SEE ADV. PG. 87.
 Deutschmann Corp., Tobe, Norwood, Mass. (h)
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
 Micamold Radio Corp., 1087 Flushing Ave., Brooklyn 6, N. Y.
 Sprague Electric Co., North Adams, Mass.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
UNITED CONDENSER CORP., 337 E. 139th St., New York 54, N. Y. SEE ADV. PG. 225. (h)
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CAPACITORS—Fixed

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass. (h)
 American Condenser Co., 4410 Ravenswood Ave., Chicago 40, Ill. (h)
 Ampere Electronic Corp., 25 Washington St., Brooklyn 1, N. Y. (h) (p) (v)
BUD RADIO, INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
CONDENSER PRODUCTS CO., 1375 N. Branch St., Chicago 22, Ill. SEE ADV. PG. 214.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., South Plainfield, N. J. SEE ADV. PG. 87.
 Corning Glass Works, Corning, N. Y.
 Crown Capacitor Corp., Minot & Depot St., Wrentham, Mass.
 Deutschmann Corp., Tobe, Norwood, Mass. (h)
 Dine & Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
 Dumont Electric Co., 308 Dyckman St., New York, N. Y. (h) (p) (v)
 Eitel-McCullough, Inc., San Bruno, Calif. (v)
 Electric Auto-Lite Co., Toledo 1, Ohio
ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109. (h)
 Fast & Co., John E., 3101 N. Pulaski Rd., Chicago 41, Ill. (h)
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
 Herlec Corp., The 422 N. Fifth St., Milwaukee 3, Wisc.
JENNINGS RADIO MFG. CO., 1098 E. William St., San Jose 12, Calif. SEE ADV. PGS. 158-159.
ILLINOIS CONDENSER CO., 1616 N. Throop St., Chicago, Ill. SEE ADV. PG. 226.
 Industrial Condenser Corp., 3243 No. Calif. Ave., Chicago 18, Ill. (h)
 Johnson Co., E. F. Waseca, Minn. (h) (p) (v)
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Lapp Insulator Co., Inc., 31 Gilbert St., LeRoy, N. Y.
 Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.
 Magnavox Co., The, Components Div., Fort Wayne 4, Ind.
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Micamold Radio Corp., 1087 Flushing Ave., Brooklyn 6, N. Y.
 Potter Co., 1850 Sheridan Rd., No. Chicago, Ill.
 Precision Tube Co., Inc., 3828 Terrace St., Philadelphia 28, Pa.
 Sangamo Electric Co., Springfield, Ill. (h)
 Solar Mfg. Corp., 1445 Hudson Blvd., North Bergen, N. J.
 Sprague Electric Co., North Adams, Mass.
 Stackpole Carbon Co., St. Marys, Pa.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
UNITED CONDENSER CORP., 337 E. 139th St., New York 54, N. Y. SEE ADV. PG. 225. (h)
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CAPACITORS—Fluid Variable

CONDENSER PRODUCTS CO., 1375 N. Branch St., Chicago 22, Ill. SEE ADV. PG. 214.

CAPACITORS—Gas-filled

Johnson Co., E. F., Waseca, Minn. (h) (p) (v)
 Lapp Insulator Co., Inc., 31 Gilbert St., LeRoy, N. Y. (p) (v)

CAPACITORS—Mica Fixed

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass. (h)
 Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon
 Electro Motive Mfg. Co., South Park & John St., Willimantic, Conn.

ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109. (h)
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 Micamold Radio Corp., 1087 Flushing Ave., Brooklyn 6, N. Y. (p)
 Sangamo Electric Co., Springfield, Illinois (h)
 Solar Mfg. Corp., 1445 Hudson Blvd., North Bergen, N. J.
 Sprague Electric Co., North Adams, Mass.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 United Insulator Co., Ltd., Tolworth-Surbiton-Surrey, England

CAPACITORS—Mica Transmitting

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass. (h)
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
 Continental Electronics Mfg. Co., 1728 Wood St., Dallas 1, Tex.
 Ecco High Frequency Corp., 7020 Hudson Blvd., North Bergen, N. J.
 Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Sangamo Electric Co., Springfield, Ill. (h)
 Solar Mfg. Corp., 1445 Hudson Blvd., North Bergen, N. J.
 Sprague Electric Co., North Adams, Mass.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 United Insulator Co., Ltd., Tolworth-Surbiton-Surrey, England

CAPACITORS—Mica Trimmer

Automatic Mfg. Corp., 65 Gouverneur St., Newark, N. J.
CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., S. Plainfield, N. J. SEE ADV. PG. 87.
 Guthman Inc., Edwin I., 15 S. Throop St., Chicago, Ill.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.
 Micacraft Products Inc., 701 McCarter Highway, Newark 5, N. J.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Sangamo Electric Co., Springfield, Ill. (h)
 Sickles Co., F. W., 165 Front St., Chicopee, Mass.
 Sprague Electric Co., North Adams, Mass.
STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.

CAPACITORS—Neutralizing

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
BUD RADIO, INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
CENTRALAB DIV. of Globe-Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., S. Plainfield, N. J. SEE ADV. PG. 87.
 Hammarlund Mfg. Co., 460 W. 34th St., New York, N. Y.
 Industrial Condenser Corp., 3243 N. Calif. Ave., Chicago 18, Ill. (h)

JENNINGS RADIO MFG. CO., 1098 E. William St., San Jose 12, Calif. SEE ADV. PGS. 158, 159.
 Johnson Co., E. F., Waseca, Minn. (p) (v)
 Millen Mfg. Co., James, 150 Exchange St., Malden 48, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Sprague Electric Co., North Adams, Mass.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Welwyn Electronic Components, Inc., 234 E. 46th St., New York 17, N. Y.

CAPACITORS—Oil Impregnated

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass. (h)
 American Condenser Co., 4410 Ravenswood Ave., Chicago 40, Ill. (h)
CHICAGO CONDENSER CORP., 3255 W. Armitage Ave., Chicago 47, Ill. SEE ADV. PG. 218.
CONDENSER PRODUCTS CO., 1375 N. Branch St., Chicago 22, Ill. SEE ADV. PG. 214.
CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., S. Plainfield, N. J. SEE ADV. PG. 87.
 Crown Capacitor Corp., Minot & Depot Sts., Wrentham, Mass.
 Deutschmann Corp., Tobe, Norwood, Mass. (h)
 Dumont Electric Co., 308 Dyckman St., New York, N. Y. (h) (p) (v)
 Fast & Co., John E., 3101 N. Pulaski Rd., Chicago 41, Ill. (h)
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
 Girard-Hopkins, 1000 40th Ave., Oakland 1, Calif.
 Industrial Condenser Corp., 3243 No. Calif. Ave., Chicago 18, Ill. (h)
MALLORY & CO., INC., P. R. 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 Micamold Radio Corp., 1087 Flushing Ave., Brooklyn 6, N. Y. (p)
 Potter Co., 1850 Sheridan Rd., No. Chicago, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Sangamo Electric Co., Springfield Ill. (h)
 Solar Mfg. Corp., 1445 Hudson Blvd., North Bergen, N. J.
 Sprague Electric Co., North Adams, Mass.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
UNITED CONDENSER CORP., 337 E. 139th St., New York 54, N. Y. SEE ADV. PG. 225.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CAPACITORS—Padder

Automatic Mfg. Corp., 65 Gouverneur St., Newark, N. J.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
CENTRALAB DIV. of Globe-Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
 Electro Motive Mfg. Co., South Park & John St., Willimantic, Conn.
 Industrial Condenser Corp., 3243 N. Calif. Ave., Chicago 18, Ill. (h)
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
JENNINGS RADIO MFG. CO., 1098 E. William St., San Jose 12, Calif. SEE ADV. PGS. 158, 159.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
 North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
 Potter Co., 1850 Sheridan Rd., No. Chicago, Ill.
 Sprague Electric Co., North Adams, Mass.

Special Products Co., Silver Spring, Md.
Welwyn Electronic Components, Inc., 234 E.
46th St., New York 17, N. Y.

CAPACITORS—Paper

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass. (h)
American Condenser Co., 4410 Ravenswood Ave., Chicago 40, Ill. (h)
Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
CHICAGO CONDENSER CORP., 3255 W. Armitage Ave., Chicago 47, Ill. SEE ADV. PG. 218. (h) (p) (v)
Continental Carbon, Inc., 13900 Lorain Ave., Cleveland 11, Ohio
CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., South Plainfield, N. J. SEE ADV. PG. 87.
Cosmic Radio Corp., 699 E. 135th St., New York, N. Y.
Crown Capacitor Corp., Minot & Depot Sts., Wrentham, Mass.
Deutschmann Corp., Tobe, Norwood, Mass. (h)
Dine & Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
Dumort Electric Co., 308 Dyckman St., New York, N. Y. (h) (p) (v)
Electric Auto-Lite Co., Toledo 1, Ohio
Fast & Co., John E., 3101 N. Pulaski Rd., Chicago 41, Ill. (h)
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
ILLINOIS CONDENSER CO., 1616 N. Throop St., Chicago, Ill. SEE ADV. PG. 226.
Industrial Condenser Corp., 3243 N. Calif. Ave., Chicago 18, Ill. (h)
Legri-S Co., 846 Amsterdam Ave., New York 25, N. Y.
MALLORY & CO., Inc., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
Micamold Radio Corp., 1087 Flushing Ave., Brooklyn 6, N. Y. (p)
National Union Radio Corp., 350 Scotland Rd., Orange, N. J.
Pyramid Electric Co., 155 Oxford St., Paterson, N. J.
Sangamo Electric Co., Springfield, Ill. (h)
Solar Mfg. Corp., 1445 Hudson Blvd., North Bergen, N. J.
Sprague Electric Co., North Adams, Mass.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
UNITED CONDENSER CORP., 337 E. 139th St., New York 54, N. Y. SEE ADV. PG. 225. (h)
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CAPACITORS—Plastic Dielectric

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass. (h)
CONDENSER PRODUCTS CO., 1375 N. Branch St., Chicago 22, Ill. SEE ADV. PG. 214. (h) (p) (v)
Crown Capacitor Corp., Minot & Depot Sts., Wrentham, Mass.
Deutschmann Corp., Tobe, Norwood, Mass. (h)
Dumort Electric Co., 308 Dyckman St., New York, N. Y. (h) (p) (v)
Fast & Co., John E., 3101 N. Pulaski Rd., Chicago 41, Ill. (h)
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
Micamold Radio Corp., 1087 Flushing Ave., Brooklyn 6, N. Y. (p)
Potter Co., 1850 Sheridan Rd., No. Chicago, Ill.
Sangamo Electric Co., Springfield, Ill. (h)
Sprague Electric Co., North Adams, Mass.
TELEX, INC., Telex Park, Minneapolis 1, Minn. SEE ADV. PG. 170.
UNITED CONDENSER CORP., 337 E. 139th St., New York 54, N. Y. SEE ADV. PG. 225.
Watertown Mfg. Co., The, Watertown, Conn.

CAPACITORS—Plastic Trimmer

ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109. (h)

CAPACITORS—Power Factor

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass. (h)
CONDENSER PRODUCTS CO., 1375 N. Branch St., Chicago 22, Ill. SEE ADV. PG. 214. (h) (p) (v)
CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., S. Plainfield, N. J. SEE ADV. PG. 87.
Deutschmann Corp., Tobe, Norwood, Mass. (h)
Fast & Co., John E., 3101 N. Pulaski Rd., Chicago 41, Ill. (h)
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
Industrial Condenser Corp., 3243 N. Calif. Ave., Chicago 18, Ill. (h)
Potter Co., 1850 Sheridan Rd., No. Chicago, Ill.
Sprague Electric Co., North Adams, Mass.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CAPACITORS—Precision Air

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
Cardwell Mfg. Corp., Allen D., 97 Whiting St., Plainville, Conn.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.

CAPACITORS—Silvered Mica

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass. (h)
Automatic Mfg. Corp., 65 Gouverneur St., Newark, N. J.
CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., S. Plainfield, N. J. SEE ADV. PG. 87.
Electro Motive Mfg. Co., South Park & John St., Willimantic, Conn.
ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109. (h)
Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.
Micamold Radio Corp., 1087 Flushing Ave., Brooklyn 6, N. Y. (p)
Ross Mfg. Co., 860 Washington St., Burlington, Iowa
Sangamo Electric Co., Springfield, Ill. (h)
Solar Mfg. Corp., 1445 Hudson Blvd., North Bergen, N. J.
Sprague Electric Co., North Adams, Mass.
STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
United Insulator Co., Ltd., Tolworth-Surbiton-Surrey, England

CAPACITORS—Small High Voltage

American Condenser Co., 4410 Ravenswood Ave., Chicago 40, Ill. (h)
Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
CENTRALAB DIV. of Globe-Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
CONDENSER PRODUCTS CO., 1375 N. Branch St., Chicago 22, Ill. SEE ADV. PG. 214. (h) (p) (v)
CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., South Plainfield, N. J. SEE ADV. PG. 87.

Deutschmann Corp., Tobe, Norwood, Mass. (h)
Dumort Electric Co., 308 Dyckman St., New York, N. Y. (h) (p) (v)
ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109. (h)
Fast & Co., John E., 3101 N. Pulaski Rd., Chicago 41, Ill. (h)
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
Herlec Corp., The, 422 N. Fifth St., Milwaukee 3, Wisc.
Industrial Condenser Corp., 3243 N. Calif. Ave., Chicago 18, Ill. (h)
JENNINGS RADIO MFG. CO., 1098 E. William St., San Jose 12, Calif. SEE ADV. PGS. 158, 159.
Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.
Magnavox Co., The, Components Div., Fort Wayne 4, Indiana
Micamold Radio Corp., 1087 Flushing Ave., Brooklyn 6, N. Y. (p)
North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
Potter Co., 1850 Sheridan Rd., No. Chicago, Ill.
Sangamo Electric Co., Springfield, Ill. (h)
Sprague Electric Co., North Adams, Mass.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
UNITED CONDENSER CORP., 337 E. 139th St., New York 54, N. Y. SEE ADV. PG. 225. (h)
United Insulator Co., Ltd., Tolworth-Surbiton-Surrey, England
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CAPACITORS—Trimmer

CENTRALAB DIV. of Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., S. Plainfield, N. J. SEE ADV. PG. 87.
Corning Glass Works, Corning, N. Y.
ELECTRICAL REACTANCE CORP., Elm St., Franklinville, N. Y. SEE ADV. PGS. 82, 83.
Electro Motive Mfg. Co., South Park & John St., Willimantic, Conn.
Engineering Research Associates, Inc., 1902 W. Minnehaha Ave., St. Paul 4, Minn.
ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109. (h)
Guthman Inc., Edwin I., 15 S. Throop St., Chicago, Ill.
Herlec Corp., The, 422 N. Fifth St., Milwaukee 3, Wisc.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
JENNINGS RADIO MFG. CO., 1098 E. William St., San Jose 12, Calif. SEE ADV. PGS. 158, 159.
Joyner Corp., The, 462 N. Parkside Ave., Chicago 44, Ill.
Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.
Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
Muter Co., 1255 S. Michigan Ave., Chicago, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
Sangamo Electric Co., Springfield, Ill. (h)
Sickles Co., F. W., 165 Front St., Chicopee, Mass.
Special Products Co., Silver Spring, Md.
Sprague Electric Co., North Adams, Mass.
Stackpole Carbon Co., St. Mary's, Pa.
STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
United Insulator Co., Ltd., Tolworth-Surbiton-Surrey, England
Welwyn Electronic Components, Inc., 234 E. 46th St., New York 17, N. Y.

CAPACITORS—Trimmer Receiving

Automatic Mfg. Corp., 65 Gouverneur St., Newark, N. J.
CENTRALAB DIV. of Globe-Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., S. Plainfield, N. J. SEE ADV. PG. 87.
 Corning Glass Works, Corning, N. Y.
 Dine & Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
 Engineering Research Associates, Inc., 1902 W. Minnehaha Ave., St. Paul 4, Minn.
ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109. (h)
 Herlec Corp., The, 422 N. Fifth St., Milwaukee 3, Wisc.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
 North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
 Sangamo Electric Co., Springfield, Ill. (h)
 Sickles Co., F. W., 165 Front St., Chicopee, Mass.
 Sprague Electric Co., North Adams, Mass.
STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
 United Insulator Co., Ltd., Tolworth-Surbiton Surrey, England
 Welwyn Electronic Components, Inc., 234 E. 46th St., New York 17, N. Y.

CAPACITORS—Vacuum

Amperex Electronic Corporation, 25 Washington St., Brooklyn 1, N. Y.
 Eitel-McCullough Inc., San Bruno, Calif.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 General Electronics, Inc., 101 Hazel St., Paterson, N. J.
 Gilandun Electronics, 14 Union Ave., Campbell, Calif.
JENNINGS RADIO MFG. CO., 1098 E. William St., San Jose 12, Calif. SEE ADV. PGS. 158, 159.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England (h) (p) (v)
 United Electronics Co., 42 Spring St., Newark 2, N. J.

CAPACITORS—Variable Receiver Tuning

Cardwell Mfg. Corp., Allen D., 97 Whiting St., Plainville, Conn.
 Clarkstan Corp., 11927 W. Pico Blvd., Los Angeles 34, Calif.
 Engineering Research Associates, Inc., 1902 W. Minnehaha Ave., St. Paul 14, Minn.
 General Instrument Corp., 829 Newark Ave., Elizabeth 3, N. J.
 Hammarlund Mfg. Co., 460 W. 34th St., New York, N. Y. (h)
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.

Oak Mfg. Co., 1260 N. Clybourn Ave., Chicago 10, Ill.
 Variable Condenser Corp., 65 Hope St., Brooklyn, N. Y.
 Welwyn Electronic Components, Inc., 234 E. 46th St., New York 17, N. Y.

CAPACITORS—Variable Transmitter Tuning

Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
BUD RADIO, INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
 Cardwell Mfg. Corp., Allen D., 97 Whiting St., Plainville, Conn.
 Eitel-McCullough, Inc., San Bruno, Calif. (p) (v)
 Engineering Research Associates, Inc., 1902 W. Minnehaha Ave., St. Paul 4, Minn.
 Hammarlund Mfg. Co., 460 W. 34th St., New York 1, N. Y.
JENNINGS RADIO MFG. CO., 1098 E. William St., San Jose 12, Calif. SEE ADV. PGS. 158, 159.
 Johnson Co., E. F., Waseca, Minn. (h) (p) (v)
 Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
 Lapp Insulator Co., Inc., 31 Gilbert St., Le Roy, N. Y.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
 Peerless X-Ray Labs. & Mfg. Corp., 467 10th Ave., New York 18, N. Y.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Radio Condenser Co., Camden, N. J.

CAPACITORS—Wax Impregnated

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass. (h)
 American Condenser Co., 4410 Ravenswood Ave., Chicago 40, Ill. (h)
CENTRALAB DIV. of Globe-Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
CHICAGO CONDENSER CORP., 3255 W. Armitage Ave., Chicago 47, Ill. SEE ADV. PG. 218.
CONDENSER PRODUCTS CO., 1375 N. Branch St., Chicago 22, Ill. SEE ADV. PG. 214.
CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., South Plainfield, N. J. SEE ADV. PG. 87.
 Crown Capacitor Corp., ~~Minor~~ & Depot Sts., Wrentham, Mass.
 Deutschmann Corp., Tobe, Norwood, Mass. (h)
 Dumont Electric Co., 308 Dyckman St., New York, N. Y. (h) (p) (v)
 Electric Auto-Lite Co., Toledo 1, Ohio
ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109. (h)
 Fast & Co., John E., 3101 N. Pulaski Rd., Chicago 41, Ill. (h)
 Girard-Hopkins, 1000 40th Ave., Oakland 1, Calif.
ILLINOIS CONDENSER CO., 1616 N. Throop St., Chicago 22, Ill. SEE ADV. PG. 226.
 Industrial Condenser Corp., 3243 No. Calif. Ave., Chicago 18, Ill. (h)
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Magnavox Co., The, Components Div., Fort Wayne 4, Ind.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 Micamold Radio Corp., 1087 Flushing Ave., Brooklyn 6, N. Y. (p)
 National Union Radio Corp., 350 Scotland Rd., Orange, N. J.
 Potter Co., 1850 Sheridan Rd., No. Chicago, Ill.
 Solar Mfg. Corp., 1445 Hudson Blvd., North Bergen, N. J.
 Sprague Electric Co., North Adams, Mass.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
UNITED CONDENSER CORP., 337 E. 139th St., New York 54, N. Y. SEE ADV. PG. 225. (h)

CARDIOTACHOMETERS

Edin Electronics Co., 207 Main St., Worcester, Mass.
 Electro-Physical Labs., Inc., 290-8 Dyckman St., New York 34, N. Y.
ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.
 Electronic Supply Co., 207 Main St., Worcester, Mass.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
 Waters Conley Co., 501 First St., N. W., Rochester, Minn.

CASES, PORTABLE

(for Radios, Phonographs, Amplifiers, etc.)

Allied Radio Corp., 833 W. Jackson Blvd., Chicago 7, Ill.
 Audar Inc., Argos, Ind.
 Boonton Molding Co., Boonton, N. J.
 Chicago Die Mold Mfg. Co., 4001 Wrightwood Ave., Chicago 39, Ill.
 Conn Ltd., C. G., Electronics Div., Elkhart, Ind.
 Eastern Case Co., 5401 5th Ave., Brooklyn, N. Y.
 Garrard Sales Corp., 315 Broadway, New York 7, N. Y.
 Hollywood Radio Cabinet Co., 924 N. Formosa Ave., Hollywood, Calif.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
KARP METAL PRODUCTS CO., INC., 215 63rd St., Brooklyn 20, N. Y. SEE ADV. PG. 50.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Minute Man Products, Inc., 309 E. 22nd St., New York 10, N. Y.
 Radiad Service, 720 W. Schubert Ave., Chicago 14, Ill.
 Radio Merchandise Sales, 550 Westchester Ave., New York 55, N. Y.
 REF Mfg. Corp., Jericho Turnpike, Mineola, N. Y.
 Scott Inc., Herman Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
 Skydyne Inc., River Rd., Port Jervis, N. Y.
 Stark Sound Engineering Co., 2131 Fairfield, Fort Wayne 7, Ind.
 Stokes Molded Products, Inc., Taylor St. at Webster, Trenton, N. J.
 Triad Portable Case Corp., 2545 Boston Rd., Bronx 67, N. Y.
 Waterbury Companies, Inc., Waterbury 90, Conn.
WEISS, JERRY L., 21 Plandome Rd., Manhasset, L. I., N. Y. SEE ADV. PG. 218.

CELLS—Photoelectric

American Scientific Co., P.O. Box 1, High-bridge Station, New York 52, N. Y.
BRADLEY LABS., INC., 82 Meadows St., New Haven 10, Conn. SEE ADV. PG. 171.
CONTINENTAL ELECTRIC CO., Geneva, Ill. SEE ADV. PG. 176.
 Eby, Inc., Hugh H., 4700 Stenton Ave., Phila. 44, Pa.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 International Rectifier Corp., 6809 S. Victoria Ave., Los Angeles 43, Calif.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Ripley Co., Inc., P.O. Box 31, Middletown, Conn.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
VICKERS ELECTRIC DIV., Vickers, Inc., 1815 Locust St., St. Louis 3, Mo. SEE ADV. PG. 194.

CEMENTS—Radio

Ambroid Co., 305 Franklin St., Boston 10, Mass.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 American Products Mfg. Corp., Oleander & Dublin Sts., New Orleans 18, La.
 American Resinous Chemical Co., 103 Foster St., Peabody, Mass.
 Arco Co., 7301 Bessemer Ave., Cleveland 4, Ohio

Armstrong Cork Co., Lancaster, Pa.
 Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.
 Borden Co., The, Chemical Div., Durite Plastics, 5000 Summerdale Ave., Phila. 24, Pa.
 Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Haynes Labs., Inc., C. W., 61 Chandler St., Springfield, Mass.
INSL-X CO. INC., THE, Water Street, Ossining, N. Y. SEE ADV. PG. 160.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Maas & Waldstein & Co., 438 Riverside Ave., Newark 4, N. J.
 Moven, C. P., 908 Chicago Ave., Chicago, Ill.
 Oak Ridge Antennas Div. of Video Television, Inc., 239 E. 127th St., New York 35, N. Y.
 Paisley Products, Inc., 1770 Canalport Ave., Chicago 16, Ill.
 Plax Corp., P. O. Box 1019, Hartford, Conn.
 Radiocrafters, 1156 Commonwealth Ave., Boston 34, Mass.
 Sauereisen Cements Co., Sauereisen Building, Pittsburgh 15, Pa.
 Schott Co. Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.

CERAMICS

See Insulation Materials

CHAMBERS—Test

American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
BOWSER, INC., Refrigeration Div., 420 Lexington Ave., New York, N. Y. SEE ADV. PGS. 165, 166.
 Tenny Engineering Inc., 26 Ave. B., Newark 5, N. J.

CHANGERS—Automatic Record

Admiral Corp., 3800 Cortland St., Chicago 47, Ill.
 Bogen Co., David, 663 Broadway, New York 12, N. Y.
 Crescent Industries, Inc., 4140 Belmont Ave., Chicago 41, Ill.
 Garrard Sales Corp., 315 Broadway, New York 7, N. Y.
 General Instrument Corp., 829 Newark Ave., Elizabeth 3, N. J.
 Maguire Industries Inc., Electronics Dept. Bridgeport, Conn.
 Milwaukee Stamping Co., 800 S. 72nd St., Milwaukee, Wis.
 Oak Mfg. Co., 1260 N. Clybourn Ave., Chicago 10, Ill.
 V-M Corp., Benton Harbor, Mich.
 Webster-Chicago Corp., 5622 Bloomingdale Ave., Chicago 39, Ill.

CHARGERS—Battery

See Battery Chargers

CHASSIS—Metal

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
ART-LOYD METAL PRODUCTS CORP., 2973 Cropsy Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.
 Bardwell & McAlister, Inc., P. O. Box 1310, Hollywood, Calif.
 Barreca Products Co., Inc., 84 Bowery, New York 13, N. Y.
BUCK ENGINEERING CO., INC., 37-41 Marcy St., Freehold, N. J. SEE ADV. PG. 224.
 Chicago Die Mold Mfg. Co., 4001 Wrightwood Ave., Chicago 39, Ill.
 Columbia Metal Box Co., 260 E. 143rd St., New York, N. Y.
 Conn Ltd., C. G., Electronics Div., Elkhart, Ind.
 Colgate Mfg. Corp., Lindenhurst, L. I., N. Y.
 Dahlstrom Metallic Door Co., Jamestown, N. Y.
 Eclipse Mfg. Co., Inc., 294 E. 137th St., New York 54, N. Y.
 Edin Electronics Co., 207 Main St., Worcester, Mass.

Electronic Supply Co., 207 Main St., Worcester, Mass.
 Falstrom Co., 44 Falstrom Court, Passaic, N. J.
 Garrett Co., Inc., G. K., 1421 Chestnut St., Philadelphia 2, Pa.
 Gosham Co., Bronze Div., Providence 7, R. I.
 Greene Mfg. Corp., G. G., Warren, Pa.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Kaar Engineering Co., 2315 Middlefield Rd., Palo Alto, Calif.
KARP METAL PRODUCTS CO., INC., 215 63rd St., Brooklyn 20, N. Y. SEE ADV. PG. 50.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Lorentzen Inc., H. K., 391 W. Broadway, New York 12, N. Y.
 Measurement Engineering Ltd., Arnprion, Ontario, Canada
 Miller Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Minute Man Products, Inc., 309 E. 22nd St., New York 10, N. Y.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 National Electrical Machine Shops, Inc., 919 Jesup-Blair Dr., Silver Spring, Md.
OLYMPIC TOOL & MFG. CO., INC., 39 Chambers St., New York 7, N. Y. SEE ADV. PG. 174.
 Par-Metal Products Corp., 32-62 49th St., L. I. City 3, N. Y.
 Paul & Beekman Inc., 1801 Cortland St., Philadelphia 40, Pa.
 Pierce Template Corp., 2646 N. Coral St., Philadelphia 25, Pa.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Radiad Service, 720 W. Schubert Ave., Chicago 14, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 REF Mfg. Corp., Jericho Turnpike, Mineola, N. Y.
 Reiner Electronics Co., 152 W. 25th St., New York, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Robinson Aviation, Inc., Teterboro, N. J.
 Schuttig & Co., Inc., 9th & Kearney Sts., N. E., Washington 17, D. C.
 Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.
 Sperman Metal Specialties, 27 Columbia Place, Brooklyn 2, N. Y.
 Stamford Metal Specialty Co., Inc., 429 W. Broadway, New York 12, N. Y.
 Stark Sound Engineering Co., 2131 Fairfield, Fort Wayne 7, Ind.
 Stephens Mfg. Corp., 8538 Warner Drive, Culver City, Calif.
 United Radio Mfg. Co., 191 Greenwich St., New York, N. Y.
WALTER CO., S., 1400 Atlantic Ave., Brooklyn 16, N. Y. SEE ADV. PG. 173.
WEISS, JERRY L., 21 Plandome Rd., Manhasset, L. I., N. Y. SEE ADV. PG. 218.
 Worcester Pressed Aluminum Corp., 13-15 Hope Ave., Worcester 3, Mass.
 Worcester Pressed Steel Co., 100 Barber Ave., Worcester, Mass.

CHASSIS—Wood

La Magna Mfg. Co., Inc., East Rutherford, N. J.

CHECKERS

See Also Analyzers

CHECKERS—Crystal Rectifier

MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.

CHECKERS—QX

BOONTON RADIO CORP., Boonton, N. J. SEE ADV. PG. 61.
 Heath Co., Benton Harbor, Mich.

CHECKERS—vht Circuit

BOONTON RADIO CORP., Boonton, N. J. SEE ADV. PG. 61.
 Heath Co., Benton Harbor, Mich.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.

CHEMICALS—Luminescent

Carbide and Carbon Chemicals Corp., Unit of Union Carbide and Carbon Corp., 30 E. 42nd St., New York 17, N. Y.
 du Pont de Nemours & Co., Inc., E. I., Patterson Screen Div., Towanda, Pa.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 King Laboratories, Inc., 127 Solar St., Syracuse 4, N. Y.
 Koppers Co., Inc., Chemical Div., Koppers Bldg., Pittsburgh 19, Pa.
 Merck & Co., Inc., Rahway, N. J.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Reilly Tar & Chemical Corp., Merchants Bank Bldg., Indianapolis, Ind.

CHOKES—Audio

Acro Products Co., 5330 Baltimore Ave., Phila. Pa.
 Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
 Airdesign Inc., 241 Fairfield Ave., Upper Darby, Pa.
 Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
AMERICAN TELEVISION & RADIO CO., 300 E. Fourth St., St. Paul 1, Minn. SEE ADV. PG. 192.
AMERICAN TRANSFORMER CO., 178 Emmett St., Newark, N. J. SEE ADV. PG. 116.
 Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.
AUDIO DEVELOPMENT CO., 2833 13th Ave. S., Minneapolis 7, Minn. SEE ADV. PG. 94.
 Best Mfg. Co., Inc., 1200 Grove St., Irvington 1, N. J.
BOND ELECTRONICS CORP., 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.
BURNELL & CO., 45 Warburton Ave., Yonkers 2, N. Y. SEE ADV. PG. 45.
 Burnet Radio Lab., Wm. W. L., 4814 Idaho St., San Diego, Calif.
 Chicago Electronic Engineering Co., 3223 W. Armitage Ave., Chicago 47, Ill.
 Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill.
 Columbus Process Co., Inc., State & Maple Sts., E. Columbus, Ind.
 DX Radio Products Co., Inc., 1200 N. Claremont Ave., Chicago 22, Ill.
 Dinion Coil Co., Inc., Caledonia, N. Y.
 Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
ELECTRONIC TRANSFORMER CO., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
 Empire Coil Co., Inc., 238 Huguenot St., New Rochelle, N. Y.
 Engineering Lab., Inc., 602 E. 4th St., Tulsa 3, Okla.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

- GENERAL ELECTRIC CO.**, Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
General Transformer Corp., 4321 N. Knox Ave., Chicago 41, Ill.
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
Halldorson Co., The, 4500 Ravenswood Ave., Chicago 40, Ill.
Inductive Equipment Co., Gettysburg, Pa.
INSTRUMENT RESISTORS CO., 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
 Union, N. J.
Jefferson Electric Co., Bellwood, Ill.
K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y.
KENYON TRANSFORMER CO., INC., 840 Barry St., New York 59, N. Y. SEE ADV. PGS. 138, 139.
Langevin Manufacturing Corp., 37 W. 65th St., New York 23, N. Y.
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196.
Magnavox Co., The, Components Div., Fort Wayne 4, Ind.
Magnetic Devices Corp., 232 Broad Ave., Palisades Park, N. J.
Magnetic Products Corp., The, Norwalk, Conn.
Magnetic Windings Div., Essex Wire Corp., Free-mansburg Ave. & Hobson Blvd., Easton, Pa.
Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
Melco Products Inc., 22 E. Hennepen Ave., Minneapolis 1, Minn.
Merit Coil & Transformer Corp., 4427 N. Clark St., Chicago 40, Ill.
 Miller B. F., P. O. Box 568, Trenton 4, N. J.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156.
Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.
Osborne Transformer Corp., 948 E. Lafayette Ave., Detroit 7, Mich.
Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles, Calif.
PICKERING AND CO., 309 Woods Ave., Ocean-side, L. I., N. Y. SEE ADV. PG. 130.
Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.
Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Radio-Music Corp., Port Chester, N. Y.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
Red Arrow Electric Corp., 100 Colt St., Irvington 11, N. J.
 S. N. C. Mfg. Co., Inc., Oshkosh, Wis.
Scott Inc., Herman Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
Smith Mfg. Co., Nathan R., 105 Pasadena Ave., So. Pasadena, Calif.
Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
Standard Electrical Products Co., Dayton 3, Ohio
STANDARD TRANSFORMER CORP., Elston, Kedzie & Addison, Chicago 18, Ill. SEE ADV. PG. 207.
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.
TELEX, INC., Telex Park, Minneapolis 1, Minn. SEE ADV. PG. 170.
Thermador Electric Mfg. Co., 5119 District Blvd., Los Angeles 22, Calif.
Transformer Engineers, 389 South Arroyo Parkway, Pasadena, Calif.
Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif.
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.
Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.
- CHOKES—Filter**
ACME ELECTRIC CORP., Cuba, N. Y. SEE ADV. PG. 231.
Acro Products Co., 5330 Baltimore Ave., Phila. Pa.
Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
Airdesign, Inc., 247 Fairfield Ave., Upper Darby, Pa.
Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
AMERICAN TRANSFORMER CO., 178 Emmett St., Newark, N. J. SEE ADV. PG. 116.
Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.
AUDIO DEVELOPMENT CO., 2833 13th Ave. S., Minneapolis 7, Minn. SEE ADV. PG. 94.
Best Mfg. Co., Inc., 1200 Grove St., Irvington 11, N. J.
BOND ELECTRONICS CORP., 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.
Chicago Electronic Engineering Co., 3223 W. Armitage Ave., Chicago 47, Ill.
Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill.
Columbus Process Co., Inc., State & Maple Sts., E. Columbia, Ind.
Communication Accessories Co., Box 345, 110th St. & Hillcrest Rd., Hickman Hills, Missouri
CONTINENTAL ELECTRIC CO., INC., 334 Ferry St., Newark 5, N. J. SEE ADV. PG. 224.
Control Corp., 718 Central Ave., Minneapolis 14, Minn.
D. & M. Mfg. Co., 2 Delford Ave., Bergenfield, N. J.
DX Radio Products Co., Inc., 1200 N. Claremont Ave., Chicago 22, Ill.
Dinion Coil Co., Inc., Caledonia, N. Y.
Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
Electran Mfg. Co., 4596 Elston Ave., Chicago 30, Ill.
Electricoil Transformer Co., 421 Canal St., New York 13, N. Y.
Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
ELECTRONIC TRANSFORMER CO., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
Empire Coil Co., Inc., 238 Huguenot St., New Rochelle, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
General Transformer Corp., 4321 N. Knox Ave., Chicago 41, Ill.
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
Halldorson Co., The, 4500 Ravenswood Ave., Chicago 40, Ill.
Inductive Equipment Co., Gettysburg, Pa.
INSTRUMENT RESISTORS CO., 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
Jefferson Electric Co., Bellwood, Ill.
Joyner Corp., The, 462 N. Parkside Ave., Chicago 44, Ill.
K-V Transformer Co., 4414 Park Ave., New York 57, N. Y.
KENYON TRANSFORMER CO., INC., 840 Barry St., New York 59, N. Y. SEE ADV. PGS. 138, 139.
Langevin Manufacturing Corp., 37 W. 65th St., New York 23, N. Y.
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196.
Magnavox Co., The, Components Div., Fort Wayne 4, Ind.
Magnetic Devices Corp., 232 Broad Ave., Palisades Park, N. J.
Magnetic Products Corp., The, Norwalk, Conn.
Maguire Industries Inc., Electronics Dept., Bridgeport Conn.
Melco Products, Inc., 22 E. Hennepen Ave., Minneapolis 1, Minn.
Mellaphone Corp., Rochester 2, N. Y.
Merit Coil & Transformer Corp., 4427 N. Clark St., Chicago 40, Ill.
 Miller, B. F., P. O. Box 568, Trenton 4, N. J.
Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156.
Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.
Nothelfer Winding Labs., 9 Albemarle Ave., Trenton 3, N. J.
Osborne Transformer Corp., 948 E. Lafayette Ave., Detroit 7, Mich.
Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.
Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
Red Arrow Electric Corp., 100 Colt St., Irvington 11, N. J.
 S. N. C. Mfg. Co., Inc., Oshkosh, Wis.
S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
Scott Inc., Herman Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
Smith Mfg. Co., Nathan R., 105 Pasadena Ave., So. Pasadena, Calif.
Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
Standard Electrical Products Co., Dayton 3, Ohio
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
STANDARD TRANSFORMER CORP., Elston, Kedzie & Addison, Chicago 18, Ill. SEE ADV. PG. 207.
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.
Thermador Electric Mfg. Co., 5119 District Blvd., Los Angeles 22, Calif.
Transformer Engineers, 389 South Arroyo Parkway, Pasadena, Calif.
Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif.
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.
- CHOKES—Hermetically Sealed**
Acro Products Co., 5330 Baltimore Ave., Phila. Pa.
Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa.
Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
American Transformer Co., 178 Emmet St., Newark, N. J.
Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.
AUDIO DEVELOPMENT CO., 2833 13th Ave. S., Minneapolis 7, Minn. SEE ADV. PG. 94.
BURNELL & CO., 45 Waburton Ave., Yonkers 2, N. Y. SEE ADV. PG. 45.
Chicago Electronic Engineering Co., 3223 W. Armitage Ave., Chicago 47, Ill.
Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill.
Coil Winders Inc., 61 Bergen St., Brooklyn 2, N. Y.
CONTINENTAL ELECTRIC CO., INC., 334 Ferry St., Newark 5, N. J. SEE ADV. PG. 224.
Dinion Coil Co., Inc., Caledonia, N. Y.
Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.

- FEDERAL TELEPHONE AND RADIO CORP.**, 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
- FERRANTI ELECTRIC, INC.**, 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
- Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio
- GENERAL ELECTRIC CO.**, Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
- Inductive Equipment Co., Gettysburg, Pa.
- INSTRUMENT RESISTORS CO.**, 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
- Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
- K-V Transformer Co., 4414 Park Ave., New York 57, N. Y.
- KENYON TRANSFORMER CO., INC.**, 840 Barry St., New York 59, N. Y. SEE ADV. PGS. 138, 139.
- Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
- LENKURT ELECTRIC CO., INC.**, San Carlos, Calif. SEE ADV. PG. 196.
- Magnetic Products Corp., The, Norwalk, Conn.
- Magnetic Winding Div., Essex Wire Corp., Freemansburg Ave. & Hobson Blvd., Easton, Pa.
- Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
- Melco Products Inc., 22 E. Hennepen Ave., Minneapolis 1, Minn.
- Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
- NEW YORK TRANSFORMER CO., INC.**, Third Ave., Alpha, N. J. SEE ADV. PG. 156.
- Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.
- Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
- Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.
- RADIO CORP. OF AMERICA**, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
- RAYTHEON MFG. CO.**, Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
- S. N. C. Mfg. Co., Inc., Oshkosh, Wis.
- S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
- Shallercross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
- SORENSEN & CO., INC.**, 375 Fairfield Ave., Stamford Conn. SEE ADV. PG. 211.
- Standard Electrical Products Co., Dayton 3, Ohio
- SUPER ELECTRIC PRODUCTS CORP.**, 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.
- Thermador Electric Mfg. Co., 5119 District Blvd., Los Angeles 22, Calif.
- Transformer Engineers, 389 South Arroyo Parkway, Pasadena, Calif.
- Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif.
- UNITED TRANSFORMER CO.**, 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.
- WESTINGHOUSE ELECTRIC CORP.**, P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
- Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.
- CHOKES—Power**
- Acro Products Co., 5330 Baltimore Ave., Phila. Pa. Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
- Airdesign Inc., 241 Fairfield Ave., Upper Darby, Pa.
- Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
- AMERICAN TELEVISION & RADIO CO.**, 300 E. Fourth St., St. Paul 1, Minn. SEE ADV. PG. 192.
- AUDIO DEVELOPMENT CO.**, 2833 13th Ave. S., Minneapolis 7, Minn. SEE ADV. PG. 94.
- BOND ELECTRONICS CORP.**, 88 Franklin Pl., Summit, N. J. SEE ADV. PG. 212.
- Chicago Electronic Engineering Co., 3223 W. Armitage Ave., Chicago 47, Ill.
- Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill.
- Cima Corp., 91 Boylston St., Jamaica Plain 32, Mass.
- Control Corp., 718 Central Ave., Minneapolis 14, Minn.
- DANO ELECTRIC CO.**, Winsted, Conn. SEE ADV. PG. 192.
- Dinion Coil Co., Inc., Caledonia, N. Y.
- Electran Mfg. Co., 4596 Elston Ave., Chicago 30, Ill.
- Electricoil Transformer Co., 421 Canal St., New York 13, N. Y.
- Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
- ELECTRONIC TRANSFORMER CO.**, 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
- FEDERAL TELEPHONE AND RADIO CORP.**, 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
- FERRANTI ELECTRIC, INC.**, 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
- Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio
- GENERAL ELECTRIC CO.**, Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
- GENERAL ELECTRIC CO.**, Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
- General Transformer Corp., 4321 N. Knox Ave., Chicago 41, Ill.
- GRAMER COMPANY, THE**, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
- Halldorson Co., The, 4500 Ravenswood Ave., Chicago 40, Ill.
- Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
- K-V Transformer Co., 4414 Park Ave., New York 57, N. Y.
- KENYON TRANSFORMER CO., INC.**, 840 Barry St., New York 59, N. Y. SEE ADV. PGS. 138, 139.
- Langevin Manufacturing Corp., 37 W. 65th St., New York, N. Y.
- LENKURT ELECTRIC CO., INC.**, San Carlos, Calif. SEE ADV. PG. 196.
- Magnetic Devices Corp., 232 Broad Ave., Palisades Park, N. J.
- Magnetic Products Corp., The, Norwalk, Conn.
- Magnetic Windings Div., Essex Wire Corp., Freemansburg Ave. & Hohson Blvd., Easton, Pa.
- Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
- Melco Products Inc., 22 E. Hennepen Ave., Minneapolis 1, Minn.
- Mellaphone Corp., Rochester 2, N. Y.
- Merit Coil & Transformer Corp., 4427 N. Clark St., Chicago 40, Ill.
- Miller, B. F., P. O. Box 568, Trenton 4, N. J.
- NATIONAL CO., INC.**, 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
- NEW YORK TRANSFORMER CO., INC.**, Third Ave., Alpha, N. J. SEE ADV. PG. 156.
- Nothelfer Winding Labs., 9 Albemarle Ave., Trenton 3, N. J.
- Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.
- OHMITE MFG. CO.**, 4835 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.
- Osborne Transformer Corp., 948 E. Lafayette Ave., Detroit 7, Mich.
- Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
- Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill.
- RADIO CORP. OF AMERICA**, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
- RAYTHEON MFG. CO.**, Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
- Red Arrow Electric Corp., 100 Colt St., Irvington 11, N. J.
- S. N. C. Mfg. Co., Inc., Oshkosh, Wis.
- SORENSEN & CO., INC.**, 375 Fairfield Ave., Stamford, Conn. SEE ADV. PG. 211.
- Standard Electrical Products Co., Dayton 3, Ohio
- STANDARD TRANSFORMER CORP.**, Elston, Kedzie & Addison, Chicago 18, Ill. SEE ADV. PG. 207.
- SUPER ELECTRIC PRODUCTS CORP.**, 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.
- Thermador Electric Mfg. Co., 5119 District Blvd., Los Angeles 22, Calif.
- Transformer Engineers, 389 South Arroyo Parkway, Pasadena, Calif.
- Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif.
- UNITED TRANSFORMER CO.**, 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.
- WESTINGHOUSE ELECTRIC CORP.**, P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
- Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.
- CHOKES—r-f (Heavywire Low Voltage)**
- Ensign Coil Co., 2516 S. Pulaski Rd., Chicago, Ill.
- Fast & Co., John E., 3123 N. Pulaski Rd., Chicago 41, Ill.
- Rollan Electrical Co., 8020 S. South Park, Chicago, Ill.
- CHOKES—r-f & i-f**
- BARKER & WILLIAMSON**, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
- BOND ELECTRONICS CORP.**, 88 Franklin Pl., Summit, N. J. SEE ADV. PG. 212.
- BUD RADIO, INC.**, 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
- Burnett Radio Lab., Wm. W. L., 4814 Idaho St., San Diego, Calif.
- C. B. Mfg. Co., 480 Broome St., New York 13, N. Y.
- CAMBRIDGE THERMONIC CORP.**, 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
- Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.
- Cima Corp., 91 Boylston St., Jamaica Plains 32, Mass.
- Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.
- Clippard Instrument Laboratory, Inc., 1125 Bank St., Cincinnati 14, Ohio
- Coil Winders Inc., 61 Bergen St., Brooklyn 2, N. Y.
- Columbus Process Co., Inc., State & Maple Sts., E. Columbus, Ind.
- Communications Parts, 1101 N. Paulina St., Chicago 22, Ill.
- Continental Electronics Mfg. Co., 1728 Wood St., Dallas 1, Texas
- ELECTRICAL REACTANCE CORP.**, Elm St., Franklinville, N. Y. SEE ADV. PGS. 82, 83.
- Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
- Electronic Coils, Inc., 44 Taylor St., Springfield, Mass.
- Essex Electronics, Berkeley Heights, N. J.
- FEDERAL TELEPHONE & RADIO CORP.**, 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
- Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio
- FUGLE-MILLER LABORATORIES**, 398 Main St., Metuchen, N. J. SEE ADV. PG. 226.
- GENERAL ELECTRIC CO.**, Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
- GENERAL RADIO CO.**, 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
- HARNETT ELECTRIC CORP.**, 138 Haven Ave., Port Washington, L. I., N. Y. SEE ADV. PG. 188.
- Hercules Electric & Mfg. Co., Inc., 2500 Atlantic Ave., Brooklyn 7, N. Y.
- HILLBURN ELECTRONIC PRODUCTS CO.**, 55 Nassau Ave., Brooklyn 22, N. Y. SEE ADV. PG. 112.
- Houlihan Co., T. J., 2508-14 W. Lawrence Ave., Chicago, Ill.
- Inductive Equipment Co., Gettysburg, Pa.
- INSTRUMENT RESISTORS INC.**, 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
- INSULINE CORP. OF AMERICA**, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
- Johnson Co., E. F., Waseca, Minn.
- Joyner Corp., The, 462 N. Parkside Ave., Chicago 44, Ill.
- Leonard Electric Products Co., 1562 61st St., Brooklyn, N. Y.
- LEWIS SPRING & MFG. CORP.**, 2646 North Ave., Chicago 47, Ill. SEE ADV. PG. 44.
- Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
- Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
- MALLORY & CO., INC.**, P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
- MEASUREMENTS CORP.**, Boonton, N. J. SEE ADV. PG. 110.
- Meissner Mfg. Div., Maguire Industries Inc., Mt. Carmel, Ill.

Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
 Monroe Coil Co., 1606 N. California St., Chicago, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
OHMITE MFG. CO., 4835 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.
 Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.
 Precision Resistor Co., 334 Badger Ave., Newark 8, N. J.
 Precision Tube Co., Inc., 3828 Terrace St., Philadelphia 28, Pa.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
 Schutter, Carl W., Rockville Center, N. Y.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
 Stanwyck Winding Co., 102-104 S. Lander St., Newburgh, N. Y.
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Teleradio Engineering Corp., 99 Wall St., New York, N. Y.
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.

CHRONAXIMETERS

Electro-Medical Lab., Inc., Holliston, Mass.
ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.

CHRONOGRAPHS—Inertialess

Airlectron, P. O. Box 151, Caldwell, N. J.
 Alden Products Co., 117 N. Main St., Brockton 64, Mass.
AMERICAN TIME PRODUCTS INC., 580 Fifth Ave., New York 19, N. Y. SEE ADV. PG. 216.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Electro-Medical Lab. Inc., Holliston, Mass.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.

CHRONOSCOPES

Airlectron, P. O. Box 151, Caldwell, N. J.
AMERICAN CHRONOSCOPE CORP., 316 W. First St., Mt. Vernon, N. Y. SEE ADV. PG. 228.
 Berkeley Scientific Co., 6th & Nevin, Richmond, Calif.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Rawson Electrical Instrument Co., 110 Potter St., Cambridge 42, Mass.

CIRCUITS—Printed or Stamped

Airlectron, P. O. Box 151, Caldwell, N. J.
CENTRALAB, DIV. of Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.
 Cossor (Canada) Ltd., 30-303 Windsor St., Halifax, N. S., Canada
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 General Ceramics & Steatite Corp., Keasbey, N. J.
 Herlec Corp., The, 422 Fifth St., Milwaukee 3, Wis.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.

CITIZENS RADIO

Citizens Radio Corp., 1869 Prospect, Cleveland, Ohio
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.

Gross Electronics, Inc., 1865-71 Prospect Ave., Cleveland 15, Ohio
 Hallicrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.

CLIPS—Grid

LEWIS SPRING & MFG. CORP., 2646 North Ave., Chicago 47, Ill. SEE ADV. PG. 44.
WEBSTER SPRING CORP., 97 South 5th St., Brooklyn 11, N. Y. SEE ADV. PGS. 229, 233.

CLIPS & CLAMPS—Test & Tube

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Alden Products Co., 117 N. Main St., Brockton 64, Mass.
 Birtcher Corp., 5087 Huntington Dr., Los Angeles 32, Calif.
 Franklin Connector Co., 177 Hudson St., New York, N. Y.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 Grammes & Sons Inc., L. F., 389 Union St., Allentown 2, Pa.
 Gregory Mfg. Co., Inc., The, 67 Franklin St., New Haven 11, Conn.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Johnson Co., E. F., Waseca, Minn.
 Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
 Littelfuse, Inc., 4757 Ravenswood Ave., Chicago 40, Ill.
 Morse Co., Frank W., 1300 Soldiers Field Rd., Boston 35, Mass.
 Mueller Electric Co., 1583 E. 31st St., Cleveland 14, Ohio
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Penn-Union Electric Corp., 315 State Street, Erie, Pa.
 Prestole Corp., 3119 Bellevue Rd., Toledo 6, Ohio
 Rapid Specialties Co., 325 W. Huron St., Chicago 10, Ill.
 Reliable Spring & Wire Forms Co., Fulton Road and Paris Ave., Cleveland 9, Ohio
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 States Co., 19 New Park Ave., Hartford 6, Conn.
 Thompson Corp., The, George S., South Pasadena, Calif.
 Times Facsimile Corp., 229 W. 43rd St., New York, N. Y.
 Tinnerman Products Inc., 2038 Fulton Rd., Cleveland 13, Ohio
 Trico Fuse Mfg. Co., 2948 N. Fifth, Milwaukee 12, Wis.
 Volkert Metal Stampings Inc., John, 141 Spencer St., Brooklyn 5, N. Y.
WEBSTER SPRING CORP., 97 S. 5th St., Brooklyn 11, N. Y. SEE ADV. PGS. 229, 233.
 Worcester Pressed Aluminum Corp., 13-15 Hope Ave., Worcester 3, Mass.
 Zierick Mfg. Corp., Beechwood & Rockdale Aves., New Rochelle, N. Y.

Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Cleveland Wire Cloth & Mfg. Co., 3573 E. 78th Street, Cleveland 5, Ohio
 Flock Process Co., Velvetone Div., 3 Quincy St., Norwalk, Conn.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
JELLIFF MFG. CORP., C. O., 200 Pequot Ave., Southport, Conn. SEE ADV. PG. 102.
 Keasbey & Mattison, Ambler, Pa.
 Schott, Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Wickwire Spencer Steel Div., The Colorado Fuel and Iron Corp., 500 5th Ave., New York 18, N. Y.

CLOTHS—Speaker Grille

Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 Bestcraft Products, 14 Delancey St., New York, N. Y.
 Felt Products Mfg. Co., 1504 W. Carroll Ave., Chicago 7, Ill.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Olek & Sons, Inc., A., 4757-59 Melrose St., Philadelphia 37, Pa.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.

CLOTHS—Woven Wire

Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 Bestcraft Products, 14 Delancey St., New York, N. Y.

COATINGS—Conductive

See Also, Graphite, Colloidal
 Acheson Colloids Corp., Port Huron, Mich.
 Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.
 Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.
 Crowley & Co., Inc., Henry L., 1 Central Ave., West Orange, N. J.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Hague & Co., Inc., Alfred, 227 34th Street, Brooklyn, N. Y.
 Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.
 U. S. Stoneware Co., The, Akron 9, Ohio
 Weinschel Engineering Co., 123 William St., New York 7, N. Y.

COATINGS-CONDUCTIVE—Tube Interior

Acheson Colloids Corp., Port Huron, Mich.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

COATINGS—Protective

Alden Products Co., 117 N. Main St., Brockton, Mass.
 American Chemical Paint Co., Ambler, Pa.
 American Resinous Chemical Co., 103 Foster St., Peabody, Mass.
 Arco Co., 7301 Bessemer Ave., Cleveland 4, Ohio
 Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 Bakelite Corp., 30 E. 42 St., New York 17, N. Y.
 Borthig Co., Inc., George C., P. O. Box 115, East Rutherford, N. J.
 Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.
 Dow Chemical Co., Midland, Mich.
 Dow Corning Corp., Midland, Mich.
 du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.
 Durez Plastics & Chemicals, Inc., 1921 Walck Rd., North Tonawanda, N. Y.
 Egyptian Lacquer Mfg. Co., 1270 Sixth Ave., New York, N. Y.
 Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.
 Franklin Paint & Varnish Co., Benjamin, 4820 Langdon St., Philadelphia 24, Pa.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 George Co., P. D., 5200 N. 2nd St., St. Louis, Mo.
 Goodyear Tire & Rubber Co., Chemical Div., 1144 Market St., Akron 16, Ohio
 Heresite and Chemical Co., Manitowoc, Wis.
 Horn Co., Inc., A. C., 43-36 Tenth St., Long Island City 1, N. Y.
INSL-X CO., INC., Water Street, Ossining, N. Y. SEE ADV. PG. 160.
INSULATION MFRS. CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Lukens Steel Co. and divisions, By-Products Steel Co. and Lukenweld, 447 Lukens Building, Coatesville, Pa.
 Maas & Waldstein Co., 438 Riverside St., Newark 4, N. J.
 Marlette Corp., 37-21 30th St., Long Island City, N. Y.
 Midland Paint & Varnish Co., 9115 Reno Ave., Cleveland 5, Ohio

Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.
 Nukem Products Corp., 111 Colgate Ave., Buffalo 20, N. Y.
 Pancro Mirrors, Inc., 2958 Los Feliz Blvd., Los Angeles 26, Calif.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Reilly Tar & Chemical Corp., Merchants Bank Bldg., Indianapolis, Ind.
SCHENECTADY VARNISH CO., Schenectady, N. Y., SEE ADV. PG. 111.
 Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
 Standard Varnish Works, 2600 Richmond Terr., Staten Island 3, N. Y.
 Sun Oil Co., 1608 Walnut St., Philadelphia 3, Pa.
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
 U. S. Stoneware Co., The, Akron 9, Ohio
WESTINGHOUSE ELECTRIC CORP., P. O. Box 888, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wilbur & Williams Co., 43 Leon St., Boston 15, Mass.
ZOPHAR MILLS INC., 112-130 26th St., Brooklyn 32, N. Y. SEE ADV. PG. 164.

COATINGS—Salt Spray Resistance

Acheson Colloids Corp., Port Huron, Mich.
 Alden Products Co., 117 N. Main St., Brockton, Mass.
 American Chemical Paint Co., Ambler, Pa.
 Arco Co., 7301 Bessemer Ave., Cleveland 4, Ohio
 Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 Borthig Co., Inc., George C., P. O. Box 115, East Rutherford, N. J.
 Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.
 Egyptian Lacquer Mfg. Co., 1270 Sixth Ave., New York, N. Y.
 Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.
 George Co., P. D., 5200 N. 2nd St., St. Louis, Mo.
 Hamilton Kent Mfg. Co., Kent, Ohio
 Heresite & Chemical Co., Manitowoc, Wis.
 Horn Co., Inc., A. C., 43-36 Tenth St., Long Island City 1, N. Y.
INSL-X CO., INC., Water St., Ossining, N. Y. SEE ADV. PG. 160.
 Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.
 Marblette Corp., 37-21 30th St., Long Island City, N. Y.
 Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.
 Nukem Products Corp., 111 Colgate Ave. Buffalo 20, N. Y.
 Pancro Mirrors, Inc., 2958 Los Feliz Blvd., Los Angeles 26, Calif.
 Reilly Tar & Chemical Corp., Merchants Bank Bldg., Indianapolis, Ind.
SCHENECTADY VARNISH CO., Schenectady, N. Y. SEE ADV. PG. 111.
 Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
 Special Chemicals Corp., 30 Irving Pl., New York, N. Y.
 Standard Varnish Works, 2600 Richmond Terr., Staten Island 3, N. Y.
 U. S. Stoneware Co., The, Akron 9, Ohio

CODE & TAB MARKERS

Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 Kulka Electric Mfg. Co., Inc., 30 South St., Mt. Vernon, N. Y.
 Topflight Tape Co., Huber Bldg., York, Pa.
 Western Lithograph Co., E-Z Code Div., 600 E. Second St., Los Angeles 54, Calif.

COIL ASSEMBLIES

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Alladin Radio Industries Inc., 501 W. 35th St., Chicago 16, Ill.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
 Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind.
 Automatic Mfg. Corp., 65 Gouverneur St., Newark, N. J.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Best Mfg. Co., Inc., 1200 Grove St., Irvington 11, N. J.
BOND ELECTRONICS CORP., 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.
BUD RADIO, INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
 C. B. Mfg. Co., 480 Broome St., New York 13, N. Y.
CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
 Coil Winders Inc., 61 Bergen St., Brooklyn 2, N. Y.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
COTO-COIL CO., INC., 65 Pavilion Ave., Providence 5, R. I. SEE ADV. PG. 144.
 Davis & Co., Dean W., Kentland, Ind.
 Dietz Design & Mfg. Co., 5810 Park Ave., Kansas City 4, Mo.
 Electric Auto-Lite Co., The, Toledo 1, Ohio
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
 Electronic Coils, Inc., 44 Taylor St., Springfield, Mass.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
 Electyme Motor Products Corp., 565 W. Washington Blvd., Chicago 6, Ill.
 Ensign Coil Co., 2516 S. Pulaski Rd., Chicago, Ill.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Five Star Radio Co., 416 Broadway, Cambridge, Mass.
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio
FUGLE-MILLER LABORATORIES, 398 Main St., Metuchen, N. J. SEE ADV. PG. 226.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
 Guthman Inc., Edwin I., 15 S. Throop St., Chicago, Ill.
HARNETT ELECTRIC CORP., 138 Haven Ave., Port Washington, L. I., N. Y. SEE ADV. PG. 188.
 Heath Co., Benton Harbor, Mich.
HILLBURN ELECTRONIC PRODUCTS CO., 55 Nassau St., Brooklyn 22, N. Y. SEE ADV. PG. 112.
 Houlihan Co., T. J., 2508-14 W. Lawrence Ave., Chicago, Ill.
 Inductive Equipment Co., Gettysburg, Pa.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196.
 Leonard Electric Products Co., 1562 61st St., Brooklyn, N. Y.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Lynch Co., F. W., 151 2nd St., San Francisco, Calif.
 Magnavox Co., The, Components Div., Fort Wayne 4, Ind.
 Magnetic Devices Corp., 232 Broad Ave., Palisades Park, N. J.
 Magnetic Windings Div., Essex Wire Corp., Freemansburg Ave. & Hobson Blvd., Easton, Pa.

Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
 Monroe Coil Co., 1606 N. California St., Chicago, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Northern Communication Mfg. Corp., 210 E. 40th St., New York 16, N. Y.
 Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
PERMOFLUX CORP., 4900 W. Grand Ave., Chicago, Ill. SEE ADV. PG. 230.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.
 Presto Electric Co., Inc., 4511 New York Ave., Union City, N. J.
 Radex Corp., 2076 N. Elston Ave., Chicago 14, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Craftsmen, Inc., The, 1341 S. Michigan Ave., Chicago 5, Ill.
 Ross Mfg. Co., 860 Washington St., Burlington, Iowa
 S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Sickles Co. F. W., 165 Front St., Chicopee, Mass.
 Small Motors, Inc., 2076 Elston Ave., Chicago 14, Ill.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
SPERRY GYROSCOPE CO., Div. of the Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
 Standard Electrical Products Co., Dayton 3, Ohio
STANDARD TRANSFORMER CORP., Elston, Kedzie & Addison Chicago 18, Ill. SEE ADV. PG. 207.
 Stanwyck Winding Co., 102-104 S. Lander St., Newburg, N. Y.
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.
 Telectron Co., The, 4019 Prospect Ave., Cleveland 3, Ohio
 Teleradio Engineering Corp., 99 Wall St., New York 5, N. Y.
 U. S. Electronics Corp., 275 Warren St., Lyndhurst, N. J.
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

COIL WINDING MACHINES

See Machines—Coil Winding

COIL WINDINGS

LEWIS SPRING & MFG. CORP., 2646 North Ave., Chicago 47, Ill. SEE ADV. PG. 44.
WEBSTER SPRING CORP., 97 South 5th St., Brooklyn 11, N. Y. SEE ADV. PGS. 229, 233.

COILS—Antenna

Automatic Mfg. Corp., 65 Gouverneur St., Newark, N. J.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
BOND ELECTRONICS CORP., 88 Franklin Pl., Summit, N. J. SEE ADV. PG. 212.
 C. B. Mfg. Co., 480 Broome St., New York 13, N. Y.
CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
 Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.
 Coil Winders, Inc., 61 Bergen St., Brooklyn 2, N. Y.
 Dietz Design & Mfg. Co., 5810 Park Ave., Kansas City 4, Mo.

- ELECTRONIC DESIGNS, INC.**, Irvington, N. Y. SEE ADV. PG. 230.
- ELECTRONIC TRANSFORMER CO., INC.**, 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
- Electyme Motor Products Corp., 565 W. Washington Blvd., Chicago 6, Ill.
- Essex Electronics, Berkeley Heights, N. J.
- FEDERAL TELEPHONE AND RADIO CORP.**, 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
- Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio
- FUGLE-MILLER LABORATORIES**, 398 Main St., Metuchen, N. J. SEE ADV. PG. 226.
- Gates Radio Co., Quincy, Ill.
- GENERAL ELECTRIC CO.**, Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
- Guthman Inc., Edwin I., 15 S. Throop St., Chicago, Ill.
- HARNETT ELECTRIC CORP.**, 138 Haven Ave., Port Washington, L. I., N. Y. SEE ADV. PG. 188.
- Heath Co., Benton Harbor, Mich.
- HILLBURN ELECTRONIC PRODUCTS CO.**, 55 Nassau Ave., Brooklyn 22, N. Y. SEE ADV. PG. 112.
- Houlihan Co., T. J., 2508-14 W. Lawrence Ave., Chicago, Ill.
- INSULINE CORP. OF AMERICA**, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
- J. F. D. MFG. CO.**, 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
- Johnson Co., E. F., Waseca, Minn.
- Joyner Corp., The, 462 N. Parkside Ave., Chicago 44, Ill.
- Leonard Electric Products Co., 1562 61st St., Brooklyn, N. Y.
- Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
- Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
- Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
- Monroe Coil Co., 1606 N. California St., Chicago, Ill.
- Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
- Philco Corp., Tioga & C Sts., Phila. 34, Pa.
- Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.
- Radex Corp., 2076 N. Elston Ave., Chicago 14, Ill.
- RADIO CORP. OF AMERICA**, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
- Ross Mfg. Co., 860 Washington St., Burlington, Iowa
- S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
- STANDARD COIL PRODUCTS CO.**, 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
- Standard Winding Corp., 44-62 Johnes St., Newburgh, N. Y.
- Stanwyck Winding Co., 102-104 S. Lander St., Newburgh, N. Y.
- SUPER ELECTRIC PRODUCTS CORP.**, 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.
- Teleradio Engineering Corp., 99 Wall St., New York 5, N. Y.
- U. S. Electronics Corp., 275 Warren St., Lyndhurst, N. J.
- West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
- Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
- Workshop Associates, Inc., The, 66 Needham St., Newton Highlands 61, Mass.
- COILS—Choke**
- Acro Products Co., 5330 Baltimore Ave., Phila. Pa.
- Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
- Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
- Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
- American Communications Corp., 306 Broadway, New York 7, N. Y.
- AMERICAN TELEVISION & RADIO CO.**, 300 E. Fourth St., St. Paul 1, Minn. SEE ADV. PG. 192.
- Arco Transformer & Electrical Co., 1602 S. Hanna St., Ft. Wayne, Ind.
- Automatic Mfg. Corp., 65 Gouverneur St., Newark, N. J.
- BARKER & WILLIAMSON**, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
- Best Mfg. Co., Inc., 1200 Grove St., Irvington 11, N. J.
- Bittermann Electric Co., Box 665, Canaan, Conn.
- BOND ELECTRONICS CORP.**, 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.
- BURNELL & CO.**, 45 Warburton Ave., Yonkers 2, N. Y. SEE ADV. PG. 45.
- C. B. Mfg. Co., 480 Broome St., New York 13, N. Y.
- CAMBRIDGE THERMIONIC CORP.**, 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
- Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.
- Clippard Instrument Lab., Inc., 1125 Bank St., Cincinnati 14, Ohio
- Coil Winders Inc., 61 Bergen St., Brooklyn 2, N. Y.
- CONTINENTAL ELECTRIC CO., INC.**, 334 Ferry St., Newark 5, N. J. SEE ADV. PG. 224.
- Continental Electronics Mfg. Co., 1721 Wood St., Dallas 1, Texas
- Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
- COTO-COIL CO., INC.**, 65 Pavilion Ave., Providence 5, R. I. SEE ADV. PG. 144.
- DANO ELECTRIC CO.**, Winsted, Conn. SEE ADV. PG. 192.
- Davis & Co., Dean W., Kentland, Ind.
- Davis Electric Co., Cape Girardeau, Mo.
- Dietz Design & Mfg. Co., 5810 Park Ave., Kansas City 4, Mo.
- Dinion Coil Co., Inc., Caledonia, N. Y.
- ELECTRICAL REACTANCE CORP.**, Elm St., Franklinville, N. Y. SEE ADV. PGS. 82, 83.
- Electrical Windings, Inc., 2015 N. Kolmar Ave., Chicago 39, Ill.
- Electrical Transformer Co., 421 Canal St., New York 13, N. Y.
- Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
- Electronic Coils, Inc., 44 Taylor St., Springfield, Mass.
- ELECTRONIC TRANSFORMER CO., INC.**, 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
- Electyme Motor Products Corp., 565 W. Washington Blvd., Chicago 6, Ill.
- Elliott Manufacturing Co., 218 Prospect Ave., Binghamton, N. Y.
- Empire Coil Co., Inc., 238 Huguenot St., New Rochelle, N. Y.
- Ensign Coil Co., 2516 S. Pulaski Rd., Chicago, Ill.
- Essex Electronics, Berkeley Heights, N. J.
- Fast & Co., John E., 3101 N. Pulaski Rd., Chicago 41, Ill.
- FEDERAL TELEPHONE AND RADIO CORP.**, 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
- Five Star Radio Co., 416 Broadway, Cambridge, Mass.
- Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio
- FUGLE-MILLER LABORATORIES**, 398 Main St., Metuchen, N. J. SEE ADV. PG. 226.
- Gates Radio Co., Quincy, Ill.
- GENERAL ELECTRIC CO.**, Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
- GRAMER CO., THE**, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132
- Guthman Inc., Edwin I., 15 S. Throop St., Chicago, Ill.
- HARNETT ELECTRIC CORP.**, 138 Haven Ave., Port Washington, L. I., N. Y. SEE ADV. PG. 188.
- Heath Co., Benton Harbor, Mich.
- Hercules Electric & Mfg. Co., Inc., 2500 Atlantic Ave., Brooklyn 7, N. Y.
- Houlihan Co., T. J., 2508-14 W. Lawrence Ave., Chicago 25, Ill.
- Inductive Equipment Co., Gettysburg, Pa.
- INSTRUMENT RESISTORS CO.**, 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
- INSULINE CORP. OF AMERICA**, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
- Johnson Co., E. F., Waseca, Minn.
- Joyner Corp., The, 462 N. Parkside Ave., Chicago 44, Ill.
- K-V Transformer Co., 4414 Park Ave., New York, N. Y.
- Langevin Manufacturing Corp., 37 W. 65th St., New York 23, N. Y.
- LENKURT ELECTRIC CO., INC.**, San Carlos, Calif. SEE ADV. PG. 196.
- Leonard Electric Products Co., 1562 61st St., Brooklyn, N. Y.
- LEWIS SPRING & MFG. CORP.**, 2646 North Ave., Chicago 47, Ill. SEE ADV. PG. 44.
- Magnetic Devices Corp., 232 Broad Ave., Palisades Park, N. J.
- Magnetic Windings Div., Essex Wire Corp., Freemansburg Ave. & Hobson Blvd., Easton, Pa.
- Meissner Mfg. Div., Maguire Industries Inc., Mt. Carmel, Ill.
- Melco Products, Inc., 22 E. Hennepin Ave., Minneapolis 1, Minn.
- Mellaphone Corp., Rochester 2, N. Y.
- Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
- Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
- Monroe Coil Co., 1606 N. California St., Chicago, Ill.
- NATIONAL CO., INC.**, 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
- Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.
- OHMITE MFG. CO.**, 4835 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.
- Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles, Calif.
- PERMOFLUX CORP.**, 4900 W. Grand Ave., Chicago, Ill. SEE ADV. PG. 230.
- Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
- Philco Corp., Tioga & C Sts., Phila. 34, Pa.
- Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.
- Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill.
- RADIO CORP. OF AMERICA**, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
- Radionit Transformer Co., 411 S. Sangamon St., Chicago 7, Ill.
- RAYTHEON MFG. CO.**, Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
- Ross Mfg. Co., 860 Washington St., Burlington, Iowa
- S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
- Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
- Sickles Co., F. W., 165 Front St., Chicopee, Mass.
- Slepian Co., Arthur, Bridgeport, Conn.
- Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
- SPERRY GYROSCOPE CO.**, Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
- STANDARD COIL PRODUCTS CO.**, 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
- Standard Electrical Products Co., Dayton 3, Ohio
- STANDARD TRANSFORMER CORP.**, Elston, Kedzie & Addison, Chicago 18, Ill. SEE ADV. PG. 207.
- Standard Winding Corp., 44-62 Johnes St., Newburgh, N. Y.
- Stanwyck Winding Co., 102-104 S. Lander St., Newburgh, N. Y.
- SUPER ELECTRIC PRODUCTS CORP.**, 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.
- Teleradio Engineering Corp., 99 Wall St., New York 5, N. Y.
- Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill.
- Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif.
- UNITED TRANSFORMER CO.**, 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.
- Vokar Corp., 7300 Huron River Drive, Dexter, Mich.
- Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.
- Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
- Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

COILS—Electronic Heating Inductor

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Coil Winders Inc., 61 Bergen St., Brooklyn 2, N. Y.
COTO-COIL CO., INC., 65 Pavilion Ave., Providence 5, R. I. SEE ADV. PG. 144.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
 Electyme Motor Products Corp., 565 W. Washington Blvd., Chicago 6, Ill.
 General Ceramics & Steatite Corp., Keasbey, N. J.
 High Frequency Heating Co., 143 Glen Park Ave., Gary, Ind.
 Induction Heating Corp., 181 Wythe Ave., Brooklyn 11, N. Y.
 Inductive Equipment Co., Gettysburg, Pa.
 Johnson Co., E. F., Waseca, Minn.
 Lepel High Frequency Labs, Inc., 39 West 6th St., New York 23, N. Y.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

COILS—Flyback

D X Radio Products Co., Inc., 2304 Armitage Ave., Chicago, Ill.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 General Industries Co., Taylor & Olive Sts., Elyria, Ohio
 Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
 Vision Research, P. O. Box 52, Kew Gardens 15, N. Y.
 Zenith Radionics 5801 W. Dickens St., Chicago, Ill.

COILS—Magnet

Acme Wire Co., New Haven 14, Conn.
 Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.
 American Electronics Corp., 226 N. Fourth St., Columbus, Ohio
 Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
 Aray Mfg. & Supply Co., 3107 Pine St., St. Louis 3, Mo.
 Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind.
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 Best Mfg. Co., Inc., 1200 Grove St., Irvington 11, N. J.
 Bittermann Electric Co., Box 665, Canaan, Conn.
BOND ELECTRONICS CORP., 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.
 Bunnell & Co., J. H., 215 Fulton St., New York, N. Y.
 Coil Winders Inc., 61 Bergen St., Brooklyn 2, N. Y.
 Control Corp., 718 Central Ave., Minneapolis 14, Minn.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 Cooper Co., Clark, 374 N. Market St., Palmyra, N. J.
COTO-COIL CO., INC., 65 Pavilion Ave., Providence 5, R. I. SEE ADV. PG. 144.
 D. & M. Mfg. Co., 2 Delford Ave., Bergenfield, N. J.
DANO ELECTRIC CO., Winsted, Conn. SEE ADV. PG. 192.
 Davis & Co., Dean W., Kentland, Ind.
 Davis Electric Co., Cape Girardeau, Mo.
 Eastern Specialty Co., Philadelphia 40, Pa.

Electrical Coil Winding Co., 2733 Saunders St., Camden, N. J.
 Electrical Windings, Inc., 2015 N. Kolmar Ave., Chicago 39, Ill.
 Electrocoil Transformer Co., 421 Canal St., New York 13, N. Y.
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
 Electronic Coils, Inc., 44 Taylor St., Springfield, Mass.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
 Electyme Motor Products Corp., 565 W. Washington Blvd., Chicago 6, Ill.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio
 Hercules Electric & Mfg. Co., Inc., 2500 Atlantic Ave., Brooklyn 7, N. Y.
 Houlihan Co., T. J., 2508-14 W. Lawrence Ave., Chicago 25, Ill.
 Inductive Equipment Co., Gettysburg, Pa.
INSTRUMENT RESISTORS CO., 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
 Magnetic Devices Corp., 232 Broad Ave., Palisades Park, N. J.
 Magnetic Products Corp., The Norwalk, Conn.
 Magnetic Windings Div., Essex Wire Corp., Freemansburg Ave. & Hobson Blvd., Easton, Pa.
 Mellaphone Corp., Rochester 2, N. Y.
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.
 Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles, Calif.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.
 Presto Electric Co., Inc., 4511 New York Ave., Union City, N. J.
 Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
 Radionic Transformer Co., 411 S. Sangamon St., Chicago 7, Ill.
 S. N. C. Mfg. Co., Inc., Oshkosh, Wis.
 S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
 Smith Mfg. Co., Nathan R., 105 Pasadena Ave., So. Pasadena, Calif.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
 Standard Electrical Products Co., Dayton 3, Ohio
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.
TELEX, INC., Telex Park, Minneapolis 1, Minn. SEE ADV. PG. 170.
 Ther Electric & Machine Works, 17 S. Jefferson St., Chicago, Ill.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill.
 Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 3, Calif.
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.
 Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

COILS—Motor & Generator Field

Bittermann Electric Co., Box 665, Canaan, Conn.
CONTINENTAL ELECTRIC CO., INC., 334 Ferry St., Newark 5, N. J. SEE ADV. PG. 224.
 Davis Electric Co., Cape Girardeau, Mo.
 Electronic Coils, Inc., 44 Taylor St., Springfield, Mass.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
 Electyme Motor Products Corp., 565 W. Washington Blvd., Chicago 6, Ill.
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
 Houlihan Co., T. J., 2508-14 W. Lawrence Ave., Chicago 25, Ill.
 National Electric Coil Co., Columbus 16, Ohio
 Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Radex Corp., 2076 N. Elston Ave., Chicago 14, Ill.
 Small Motors, Inc., 2076 Elston Ave., Chicago 14, Ill.
 Ther Electric & Machine Works, 17 S. Jefferson St., Chicago, Ill.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

COILS—Multiple Wound

Acme Wire Co., New Haven 14, Conn.
 Acro Products Co., 5330 Baltimore Ave., Phila. Pa.
 Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa.
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.
 Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
 Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Best Mfg. Co., Inc., 1200 Grove St., Irvington 11, N. J.
BOND ELECTRONICS CORP., 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.
 C. B. Mfg. Co., 480 Broome St., New York 13, N. Y.
 Control Corp., 718 Central Ave., Minneapolis 14, Minn.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 Corning Glass Works, Corning, N. Y.
COTO-COIL CO., INC., 65 Pavilion Ave., Providence 5, R. I. SEE ADV. PG. 144.
DANO ELECTRIC CO., Winsted, Conn. SEE ADV. PG. 192.
 Davis & Co., Dean W., Kentland, Ind.
 Davis Electric Co., Cape Girardeau, Mo.
 Dietz Design & Mfg. Co., 5810 Park Ave., Kansas City 4, Mo.
 Dinion Coil Co., Inc., Caledonia, N. Y.
 Electrical Windings, Inc., 2015 N. Kolmar Ave., Chicago 39, Ill.
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
 Electronic Coils, Inc., 44 Taylor St., Springfield, Mass.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
 Empire Coil Co., Inc., 238 Huguenot St., New Rochelle, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
HARNETT ELECTRIC CORP., 138 Haven Ave., Port Washington, L. I., N. Y. SEE ADV. PG. 188.
 Houlihan Co., T. J., 2508-14 W. Lawrence Ave., Chicago, Ill.
 Inductive Equipment Co., Gettysburg, Pa.
INSTRUMENT RESISTORS CO., 1936 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y.
LENKUR ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196.
 Magnetic Devices Corp., 232 Broad Ave., Palisades Park, N. J.
 Magnetic Windings Div., Essex Wire Corp., Freemansburg Ave. & Hobson Blvd., Easton, Pa.
MEASUREMENTS CORP., Boonton, N. J. See ADV. PG. 110.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156.

Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles, Calif.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.
 Presto Electric Co., Inc., 4511 New York Ave., Union City, N. J.
 Radex Corp., 2076 N. Elston Ave., Chicago 14, Ill.
 S. N. C. Mfg. Co., Inc., Oshkosh, Wis.
 Sag Harbor Industries, Inc., The, Sag Harbor, N. Y.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Slepian Co., Arthur, Bridgeport, Conn.
 Smith Mfg. Co., Nathan R., 105 Pasadena Ave., So. Pasadena, Calif.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
 Standard Electrical Products Co., Dayton 3, Ohio
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.
 Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif.
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
 Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

COILS—Pickup

Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
BOND ELECTRONICS CORP., 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.
 Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.
 Corona Engineering Service, 94-52 Corona Ave., Elmhurst, N. Y.
 Davis & Co., Dean W., Kentland, Ind.
 Electronic Coils, Inc., 44 Taylor St., Springfield, Mass.
ELECTRONIC TRANSFORMER CO. INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
 Electy Motor Products Corp., 565 W. Washington Blvd., Chicago 6, Ill.
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio
 Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
 Houlihan Company, T. J., 2508-14 W. Lawrence Ave., Chicago, Ill.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.
 Presto Electric Co., Inc., 4511 New York Ave., Union City, N. J.
 Rowe Industries, 1702 Wayne St., Toledo 9, Ohio
 S. W. Inductor Co., 1056 N. Wood St., Chicago, Ill.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Smith Mfg. Co., Nathan R., 105 Pasadena Ave., So. Pasadena, Calif.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J., SEE ADV. PG. 33.
 Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 3, Calif.
 Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.

COILS—Power & a-f Coils Windings

Acme Wire Co., New Haven 14, Conn.
 Acro Products Co., 5330 Baltimore Ave., Phila. Pa.
 Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
ALLIED CONTROL CO., INC., 2 East End Ave., New York 2nd, N. Y. SEE ADV. PGS. 34, 35.

Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
AMERICAN TELEVISION & RADIO CO., 300 E. 4th St., St. Paul 1, Minn. SEE ADV. PG. 192.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Best Mfg. Co., Inc., 1200 Grove St., Irvington 11, N. J.
 Bittermann Electric Co., Box 665, Canaan, Conn.
BOND ELECTRONICS CORP., 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.
BURNELL & CO., 45 Warburton Ave., Yonkers 2, N. Y. SEE ADV. PG. 45.
COTO-COIL CO., INC., 65 Pavilion Ave., Providence 5, R. I. SEE ADV. PG. 144.
DE COURSE ENGINEERING LAB., P. O. Box 235, Los Angeles 25, Calif. SEE ADV. PG. 176.
 Dinion Coil Co., Inc., Caledonia, N. Y.
 Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
 Electrical Windings, Inc., 2015 N. Kolmar Ave., Chicago 39, Ill.
 Electricoil Transformer Co., 421 Canal St., New York 13, N. Y.
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
ELECTRONIC TRANSFORMER CO., INC., 207 West 25th St., New York, N. Y. SEE ADV. PG. 200.
 Electy Motor Products Corp., 565 W. Washington Blvd., Chicago 6, Ill.
 Empire Coil Co., Inc., 238 Huguenot St., New Rochelle, N. Y.
 Ensign Coil Co., 2516 S. Pulaski Rd., Chicago, Ill.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
INSTRUMENT RESISTORS CO., 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
 Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
 Johnson Co., E. F., Waseca, Minn.
 Joyner Corp., The, 462 N. Parkside Ave., Chicago 44, Ill.
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196.
 Leonard Electric Products Co., 1562 61st St., Brooklyn, N. Y.
 Magnetic Devices Corp., 232 Broad Ave., Palisades Park, N. J.
 Magnetic Products Corp., The, Norwalk, Conn.
 Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
 Melco Products, Inc., 22 E. Hennepen Ave., Minneapolis 1, Minn.
 Mellaphone Corp., Rochester 2, N. Y.
 Monroe Coil Co., 1606 N. California St., Chicago, Ill.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156.
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.
 Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.
 Radex Corp., 2076 N. Elston Ave., Chicago 14, Ill.
 S. N. C. Mfg. Co., Inc., Oshkosh, Wis.
 Smith Mfg. Co., Nathan R., 105 Pasadena Ave., So. Pasadena, Calif.
 Standard Electrical Products Co., Dayton 3, Ohio
STANDARD TRANSFORMER CORP., Elston, Kedsie & Addison, Chicago 18, Ill. SEE ADV. PG. 207.
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill.
 Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif.

UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.
 Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

COILS—r-f & i-f Receiving or Transmitting

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
 Automatic Mfg. Corp., 65 Gouverneur St., Newark, N. J.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Bittermann Electric Co., Box 665, Canaan, Conn.
BOND ELECTRONICS CORP., 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.
 C. B. Mfg. Co., 480 Broome St., New York 13, N. Y.
CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
 Carron Mfg. Co., 415 S. Aberdeen St. Chicago, Ill.
 Clippard Instrument Lab., Inc., 1125 Bank St., Cincinnati 14, Ohio
 Coil Winders Inc., 61 Bergen St., Brooklyn 2, N. Y.
 Continental Electronics Mfg. Co., 1728 Wood St., Dallas 1, Texas
 Corning Glass Works, Corning, N. Y.
 Dietz Design & Mfg. Co., 5810 Park Ave., Kansas City 4, Mo.
 Electronic Coils, Inc., 44 Taylor St., Springfield, Mass.
ELECTRONIC DESIGNS, INC., Irvington, N. Y. SEE ADV. PG. 230.
 Electy Motor Products Corp., 565 W. Washington Blvd., Chicago 6, Ill.
 Elliott Manufacturing Co., 218 Prospect Ave., Binghamton, N. Y.
 Essex Electronics, Berkeley Heights, N. J.
 Federal Instrument Corp., 14-02 Broadway, Long Island City 2, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
FUGLE-MILLER LABORATORIES, 398 Main St., Metuchen, N. J. SEE ADV. PG. 226.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Guthman Inc., Edwin I., 15 S. Throop St., Chicago, Ill.
 Hammarlund Mfg. Co., 460 W. 34th St., New York 1, N. Y.
HARNETT ELECTRIC CORP., 138 Haven Ave., Port Washington, L. I., N. Y. SEE ADV. PG. 188.
 Heath Co., Benton Harbor, Mich.
HILLBURN ELECTRONIC PRODUCTS CO., 55 Nassau Ave., Brooklyn 22, N. Y. SEE ADV. PG. 112.
 Houlihan Co., T. J., 2508-14 W. Lawrence Ave., Chicago 25, Ill.
 Inductive Equipment Co., Gettysburg, Pa.
INSTRUMENT RESISTORS CO., 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Johnson Co., E. F., Waseca, Minn.
 Joyner Corp., The, 462 N. Parkside Ave., Chicago 44, Ill.
 Leonard Electric Products Co., 1562 61st St., Brooklyn, N. Y.
LEWIS SPRING & MFG. CO., 2646 North Ave., Chicago 47, Ill. SEE ADV. PG. 44.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
 Meissner Mfg. Div., Maguire Industries, Inc., Mount Carmel, Ill.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
 Monroe Coil Co., 1606 N. California St., Chicago, Ill.
 Muter Co., 1255 S. Michigan Ave., Chicago, Ill.

- NATIONAL CO., INC.**, 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
- Phelps Dodge Copper Products Corp.**, 40 Wall St., New York 5, N. Y.
- Philco Corp.**, Tioga & C Sts., Phila. 34, Pa.
- Polytron Corp.**, 133 Martine Ave., White Plains, N. Y.
- Precise Mfg. Co.**, 24-34 New Chambers St., New York 7, N. Y.
- Precision Tube Co., Inc.**, 3828 Terrace St., Phila. 28, Pa.
- Press Wireless Mfg. Co., Inc.**, Cantiague Rd., Hicksville, L. I., N. Y.
- Radex Corp.**, 2076 N. Elston Ave., Chicago 14, Ill.
- RADIO CORP. OF AMERICA**, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
- Radio Craftsmen, Inc.**, The, 1341 So. Michigan Ave., Chicago 5, Ill.
- Reliable Spring & Wire Forms Co.**, Fulton Rd. & Paris Ave., Cleveland 9, Ohio
- Ross Mfg. Co.**, 860 Washington St., Burlington, Iowa
- S-W Inductor Co.**, 1056 N. Wood St., Chicago, Ill.
- Sickles Co., F. W.**, 165 Front St., Chicopee, Mass.
- Special Products Co.**, Silver Spring, Md.
- STANDARD COIL PRODUCTS CO.**, 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
- Standard Winding Corp.**, 44-62 Johnes St., Newburgh, N. Y.
- Stanwyck Winding Co.**, 102-104 South Lander St., Newburgh, N. Y.
- SUPER ELECTRIC PRODUCTS CORP.**, 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.
- Teleradio Engineering Corp.**, 99 Wall St., New York 5, N. Y.
- U. S. Electronics Corp.**, 275 Warren St., Lyndhurst, N. J.
- West Coast Electronics Co.**, 1601 S. Burlington Ave., Los Angeles 6, Calif.
- COILS—Relay & Solenoid**
- Acme Wire Co.**, New Haven 14, Conn.
- Aerolite Electronic Hardware Corp.**, 24 Cliff St., Jersey City, N. J.
- ALLIED CONTROL CO., INC.**, 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.
- Arco Transformer & Electrical Co.**, 1602 S. Hanna St., Fort Wayne, Ind.
- Automatic Electric Sales Corp.**, 1033 W. Van Buren St., Chicago 7, Ill.
- Best Mfg. Co., Inc.**, 1200 Grove St., Irvington 11, N. J.
- Bittermann Electric Co.**, Box 665, Canaan, Conn.
- BOND ELECTRONICS CORP.**, 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.
- Caltron Co.**, 1406 So. Hobart Blvd., Los Angeles 6, Calif.
- Coil Winders, Inc.**, 61 Bergen St., Brooklyn 2, N. Y.
- Cook Electric Co.**, 2700 Southport Ave., Chicago, Ill.
- Cooper Co.**, Clark, 374 N. Market St., Palmyra, N. J.
- COTO-COIL CO., INC.**, 65 Pavilion Ave., Providence 5, R. I. SEE ADV. PG. 144.
- DANO ELECTRIC CO.**, Winsted, Conn. SEE ADV. PG. 192.
- Davis & Co.**, Dean W., Kentland, Ind.
- Davis Electric Co.**, Cape Girardeau, Mo.
- Dinion Coil Co., Inc.**, Caledonia, N. Y.
- Electric Heat Control Co.**, 9123 Inman Ave., Cleveland 5, Ohio
- Electrical Coil Winding Co.**, 2733 Saunders St., Camden, N. J.
- Electrical Windings, Inc.**, 2015 N. Kolmar Ave., Chicago 39, Ill.
- Electrical Transformer Co.**, 421 Canal St., New York 13, N. Y.
- Electro Engineering Works**, 6021 College Ave., Oakland 18, Calif.
- Electronic Coils, Inc.**, 44 Taylor St., Springfield, Mass.
- ELECTRONIC TRANSFORMER CO., INC.**, 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
- Electyme Motor Products Corp.**, 565 W. Washington Blvd., Chicago 6, Ill.
- Empire Coil Co., Inc.**, 238 Huguenot St., New Rochelle, N. Y.
- Ensign Coil Co.**, 2516 S. Pulaski Rd., Chicago, Ill.
- Federal Instrument Corp.**, 14-02 Broadway, Long Island City 2, N. Y.
- Foster Transformer Co., Inc.**, 3820 Colerain Ave., Cincinnati 23, Ohio
- GENERAL ELECTRIC CO.**, Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
- GRAMER CO., THE**, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
- Hercules Electric & Mfg. Co., Inc.**, 2500 Atlantic Ave., Brooklyn 7, N. Y.
- Houlihan Co., T. J.**, 2508-14 W. Lawrence Ave., Chicago 25, Ill.
- Inductive Equipment Co.**, Gettysburg, Pa.
- INSTRUMENT RESISTORS CO.**, 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
- Joyner Corp.**, The, 462 N. Parkside Ave., Chicago 44, Ill.
- K-V Transformer Co.**, 4414 Park Ave., New York 57, N. Y.
- Kurman Electric Co., Inc.**, 35-18 37th St., Long Island City 1, N. Y.
- Magnavox Co.**, The, Components Div., Fort Wayne 4, Ind.
- Magnetic Devices Corp.**, 232 Broad Ave., Palisades Park, N. J.
- Magnetic Products Corp.**, The, Norwalk, Conn.
- Magnetic Windings, Div. of Essex Wire Corp.**, Freemansburg Ave. & Hobson Blvd., Easton, Pa.
- Melo Products, Inc.**, 22 E. Hennepin Ave., Minneapolis 1, Minn.
- Mejco Inc.**, 37 Madison Ave., Morristown, N. J.
- Northern Communications Mfg. Corp.**, 210 E. 41st St., New York 16, N. Y.
- Peerless Electrical Products Co.**, 6920 McKinley Ave., Los Angeles 1, Calif.
- Phelps Dodge Copper Products Corp.**, 40 Wall St., New York 5, N. Y.
- Precise Mfg. Co.**, 24-34 New Chambers St., New York 7, N. Y.
- Preto Electric Co., Inc.**, 4511 New York Ave., Union City, N. J.
- Racomic Transformer Co.**, 411 S. Sangamon St., Chicago 7, Ill.
- Shalcross Mfg. Co.**, 10 Jackson Ave., Collingdale, Pa.
- Smith Mfg. Co.**, Nathan R., 105 Pasadena Ave., South Pasadena, Calif.
- STANDARD COIL PRODUCTS CO.**, 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
- Standard Electrical Products Co.**, Dayton 3, Ohio
- STANDARD TRANSFORMER CORP.**, Elston, Fedzie & Addison, Chicago 18, Ill. SEE ADV. PG. 207.
- SUIER ELECTRIC PRODUCTS CORP.**, 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.
- Teleradio Engineering Corp.**, 99 Wall St., New York 5, N. Y.
- Trid Transformer Mfg. Co.**, 423 N. Western Ave., Los Angeles 3, Calif.
- UNTED TRANSFORMER CO.**, 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.
- WESTINGHOUSE ELECTRIC CORP.**, P. O. Box 838, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
- Wheeler Insulated Wire Co., Inc.**, Waterbury 91, Conn.
- COILS—Speaker**
- Acme Wire Co.**, New Haven 14, Conn.
- ALLIED CONTROL CO., INC.**, 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.
- Altic Lansing Corp.**, 161 Avenue of the Americas, New York 13, N. Y.
- Best Mfg. Co., Inc.**, 1200 Grove St., Irvington 11, N. J.
- BO ID ELECTRONICS CORP.**, 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.
- Caron Mfg. Co.**, 415 S. Aberdeen St., Chicago, Ill.
- DA IO ELECTRIC CO.**, Winsted, Conn. SEE ADV. PG. 192.
- Davis & Co.**, Dean W., Kentland, Ind.
- Diron Coil Co., Inc.**, Caledonia, N. Y.
- Electronic Coils, Inc.**, 44 Taylor St., Springfield, Mass.
- ELECTRONIC TRANSFORMER CO., INC.**, 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
- Electyme Motor Products Corp.**, 565 W. Washington Blvd., Chicago 6, Ill.
- Empire Coil Co., Inc.**, 238 Huguenot St., New Rochelle, N. Y.
- Electyme Motor Products Corp.**, 565 W. Washington Blvd., Chicago 6, Ill.
- Empire Coil Co., Inc.**, 238 Huguenot St., New Rochelle, N. Y.
- GRAMER COMPANY, THE**, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
- Houlihan Company, T. J.**, 2508-14 W. Lawrence Ave., Chicago 25, Ill.
- Inductive Equipment Co.**, Gettysburg, Pa.
- Magnetic Windings, Div., Essex Wire Corp.**, Freemansburg Ave. & Hobson Blvd., Easton, Pa.
- Molded Insulation Co.**, Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
- Monroe Coil Co.**, 1606 N. California St., Chicago, Ill.
- Operadio Mfg. Co.**, 135th & Indiana Sts., St. Charles, Ill.
- Peerless Electrical Products Co.**, 6920 McKinley Ave., Los Angeles 1, Calif.
- Phelps Dodge Copper Products Corp.**, 40 Wall St., New York 5, N. Y.
- Philco Corp.**, Tioga & C Sts., Phila. 34, Pa.
- Precise Mfg. Co.**, 24-34 New Chambers St., New York 7, N. Y.
- Racon Electric Co.**, 52 E. 19th St., New York 3, N. Y.
- RADIO CORP. OF AMERICA**, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
- Wheeler Insulated Wire Co., Inc.**, Waterbury 91, Conn.
- COILS—Television Focusing**
- Best Mfg. Co., Inc.**, 1200 Grove St., Irvington 11, N. J.
- Bittermann Electric Co.**, Box 665, Canaan, Conn.
- BOND ELECTRONICS CORP.**, 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.
- Coil Winders Inc.**, 61 Bergen St., Brooklyn 2, N. Y.
- COTO-COIL CO., INC.**, 65 Pavilion Ave., Providence 5, R. I. SEE ADV. PG. 144.
- Davis Electric Co.**, Cape Girardeau, Mo.
- Du Mont Labs.**, Allen B., 2 Main Ave., Passaic, N. J.
- ELECTRONIC TRANSFORMER CO., INC.**, 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
- Electyme Motor Products Corp.**, 565 W. Washington Blvd., Chicago 6, Ill.
- Empire Coil Co., Inc.**, 238 Huguenot St., New Rochelle, N. Y.
- Ensign Coil Co.**, 2516 S. Pulaski Rd., Chicago, Ill.
- Foster Transformer Co., Inc.**, 3820 Colerain Ave., Cincinnati 23, Ohio
- GENERAL ELECTRIC CO.**, Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
- GENERAL ELECTRIC CO.**, Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
- GRAMER CO., THE**, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
- HARNETT ELECTRIC CORP.**, 138 Haven Ave., Port Washington, L. I., N. Y. SEE ADV. PG. 188.
- Houlihan Co., T. J.**, 2508-14 W. Lawrence Ave., Chicago 25, Ill.
- I-T-E CIRCUIT BREAKER CO.**, 19th & Hamilton Sts., Phila. 30, Pa. SEE ADV. PGS. 48, 49.
- Inductive Equipment Co.**, Gettysburg, Pa.
- Joyner Corp., The**, 462 N. Parkside Ave., Chicago 44, Ill.
- K-V Transformer Corp.**, 4414 Park Ave., New York 57, N. Y.
- Magnetic Products Corp.**, The, Norwalk, Conn.
- Magnetic Windings Div., Essex Wire Corp.**, Freemansburg Ave. & Hobson Blvd., Easton, Pa.
- Meissner Mfg. Div.**, Maguire Industries Inc., Mt. Carmel, Ill.
- Monroe Coil Co.**, 1606 N. California St., Chicago, Ill.
- NEW YORK TRANSFORMER CO., INC.**, Third Ave., Alpha, N. J. SEE ADV. PG. 156.
- Peerless Electrical Products Co.**, 6920 McKinley Ave., Los Angeles 1, Calif.
- Phelps Dodge Copper Products Corp.**, 40 Wall St., New York 5, N. Y.
- Philco Corp.**, Tioga & C Sts., Phila. 34, Pa.
- Precise Mfg. Co.**, 24-34 New Chambers St., New York 7, N. Y.
- Polytron Corp.**, 133 Martine Ave., White Plains, N. Y.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Ross Mfg. Co., 860 Washington St., Burlington, Iowa

S. W. Inductor Co., 1056 N. Wood St., Chicago, Ill.

Slepian Co., Arthur, Bridgeport, Conn.

STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.

SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.

Telectron Co., The, 4019 Prospect Ave., Cleveland 3, Ohio

Teleradio Engineering Corp., 99 Wall St., New York 5, N. Y.

TELVision Labs., Inc., 542 N. Parkside Ave., Chicago 44, Ill.

U. S. Electronics Corp., 275 Warren St., Lyndhurst, N. J.

Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

COILS—Toroidal

Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.

BOND ELECTRONICS CORP., 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.

BURNELL & CO., 45 Warburton Ave., Yonkers 2, N. Y. SEE ADV. PG. 45.

Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill.

Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.

Communication Accessories Co., Box 345, 110th St. & Hillcrest Rd., Hickman Hills, Missouri

COTO-COIL CO., INC., 65 Pavilion Ave., Providence 5, R. I. SEE ADV. PG. 144.

DeCOURSEY ENGINEERING LAB., P. O. Box 235, Los Angeles 25, Calif. SEE ADV. PG. 176.

ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.

FREED TRANSFORMER CO., 1736 Weirfield St., Brooklyn 27, N. Y. SEE ADV. PG. 53.

K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y.

LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196.

Lynch Co., F. W., 151 2nd St., San Francisco, Calif.

Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.

Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.

Polytron Corp., 133 Martine Ave., White Plains, N. Y.

Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.

UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.

COILS—Transformer Coils & Windings

Acme Wire Co., New Haven 14, Conn.

Acro Products Co., 5330 Baltimore Ave., Phila. Pa.

Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.

Airdesign Inc., 241 Fairfield Ave., Upper Darby, Pa.

ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.

Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.

AMERICAN TELEVISION & RADIO CO., 300 E. 4th St., St. Paul 1, Minn. SEE ADV. PG. 192.

Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind.

Associated Production Co., 2655 W. 19th St., Chicago 8, Ill.

Best Mfg. Co., Inc., 1200 Grove St., Irvington 11, N. J.

Bittermann Electric Co., Box 665, Canaan, Conn.

BOND ELECTRONICS CORP., 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.

CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.

Control Corp., 718 Central Ave., Minneapolis 14, Minn.

Cooper Co., Clark, 374 N. Market St., Palmyra, N. J.

COTO-COIL CO., INC., 65 Pavilion Ave., Providence 5, R. I. SEE ADV. PG. 144.

DX Radio Products Co., Inc., 2304 W. Armitage Ave., Chicago 47, Ill.

DANO ELECTRIC CO., Winsted, Conn. SEE ADV. PG. 192.

Davis & Co., Dean W., Kentland, Ind.

Davis Electric Co., Cape Girardeau, Mo.

Dinion Coil Co., Inc., Caledonia, N. Y.

Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.

Eastern Specialty Co., Philadelphia 40, Pa.

Electran Mfg. Co., 4596 Elston Ave., Chicago 30, Ill.

Electric Heat Control Co., The, 9123 Inman Ave., Cleveland 5, Ohio

Electrical Windings, Inc., 2015 N. Kolmar Ave., Chicago 39, Ill.

Electriccoil Transformer Co., 421 Canal St., New York 13, N. Y.

Electro Engineering Works, 6021 College Ave., Oakland 11, Calif.

ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.

Electyeme Motor Products Corp., 565 W. Washington Blvd., Chicago 6, Ill.

Empire Coil Co., Inc., 238 Huguenot St., New Rochelle, N. Y.

ENsign Coil Co., 2516 S. Pulaski Rd., Chicago, Ill.

FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.

Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.

Hercules Electric & Mfg. Co., Inc., 2500 Atlantic Ave., Brooklyn 7, N. Y.

Houlihan Co., T. J., 2508-14 W. Lawrence Ave., Chicago, Ill.

Inductive Equipment Co., Gettysburg, Pa.

Islip Radio Mfg. Corp., Beech St., Islip, N. Y.

K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y.

Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.

Langevin Manufacturing Corp., 37 W. 65th St., New York 23, N. Y.

Leonard Electric Products Co., Inc., 1562 61st St., Brooklyn 19, N. Y.

Magnetic Devices Corp., 232 Broad Ave., Palisades Park, N. J.

Magnetic Products Corp., The, Norwalk, Conn.

Magnetic Windings Div., Essex Wire Corp., Freemansburg Ave. & Hobson Blvd., Easton, Pa.

Mellaphone Corp., Rochester 2, N. Y.

Miller, B. F., P. O. Box 568, Trenton 4, N. J.

NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156.

Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.

Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.

PERMOFLUX CORP., 4900 W Grand Ave., Chicago, Ill. SEE ADV. PG. 230.

Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.

Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.

Presto Electric Co., Inc., 4511 New York Ave., Union City, N. J.

Radionic Transformer Co., 411 S. Sangamon St., Chicago 7, Ill.

S. N. C. Mfg. Co., Inc., Oshkosh, Wisc.

S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.

Slepian Co., Arthur, Bridgeport, Conn.

Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas

SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

Standard Electrical Products Co., Dayton 3, Ohio

STANDARD TRANSFORMER CORP., Elston, Kedzie & Addison, Chicago 18, Ill. SEE ADV. PG. 207.

States Co., 19 New Park Ave., Hartford 6, Conn.

SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.

Telectron Co., The, 4019 Prospect Ave., Cleveland 3, Ohio

Teleradio Engineering Corp., 99 Wall St., New York 5, N. Y.

Ther Electric & Machine Works, 17 S. Jefferson St., Chicago, Ill.

Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill.

Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif.

UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.

Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

COILS—Width Control

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.

General Industries Co., Taylor & Olive Sts., Elyria, Ohio

Guthman Co., E. I. 15 S. Throop St., Chicago, Ill.

Meissner Mfg. Div., Maguire Industries Inc., Mt. Carmel, Ill.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.

Vision Research, P. O. Box 52, Kew Gardens 15, N. Y.

COLORIMETERS—Photoelectric

Airlectron, P. O. Box 151, Caldwell, N. J.

American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.

Brociner Electronics Lab., 1546 Second Ave., New York 28, N. Y.

Brociner-Mass Instruments, Inc., 1546 Second Ave., New York 28, N. Y.

Coleman Instruments, Inc., 318 Madison St., Maywood, Ill.

Electric Sorting Machine Co., 410 44th St., SW, Grand Rapids, Mich.

ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.

Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.

Farrand Optical Co., Inc., Bronx Blvd. at 238th St., New York 66, N. Y.

Fisher Scientific Co., 717 Forbes St., Pittsburgh 19, Pa.

Gardner Lab., Inc., Henry A., 4723 Elm St., Bethesda 14, Md.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

National Technical Lab., 820 Mission St., S. Pasadena, Calif.

Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.

Photovolt Corp., 95 Madison Ave., New York 16, N. Y.

Rubicon Co., 3751 Ridge Ave., Philadelphia, Pa.

COLUMBIUM

See Metals

COMMUNICATION SYSTEMS—Aircraft

Air Associates, Inc., Teterboro, N. J.

Aircraft Radio Corp., Boonton, N. J.

American Electronering Co., 2112 S. LaBrea Ave., Los Angeles, Calif.

Audar Inc., Argos, Indiana

Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.

Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.

Collins Radio Co., Cedar Rapids, Iowa

Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.

Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Eckstein Radio & Television Co., LeRoy, Minn.
EL-TRONICS INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
 Erco Radio Labs., Inc., East Stewart Ave., Garden City, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Lear, Inc., 110 Ionia Ave., NW, Grand Rapids 2, Mich.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
 Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 Murdock Mfg. Co., Wm. J., Chelsea, Mass.
NORTHERN RADIO CO., INC., 143-145 W. 22nd St., New York 11, N. Y. SEE ADV. PGS. 153-155.
 Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Development and Research Co., 26 Cornellson Ave., Jersey City, N. J.
RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
 Ripley Co., Inc., P.O. Box 31, Middletown, Conn.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
SPERRY GYROSCOPE CO., Div. of the Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Telephonics Corp., 350 W. 31st St., New York, N. Y.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 Wilcox Electric Co., 1400 Chestnut St., Kansas City, Mo.

COMMUNICATION SYSTEMS—Airport Traffic Control

Air Associates Inc., Teterboro, N. J.
 American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
 Audio Equipment Co., 80-20 45th Ave., Elmhurst, N. Y.
 Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Collins Radio Co., Cedar Rapids, Iowa
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Dine & Co., Inc., F. E. 2221 Warwick Ave., Santa Monica, Calif.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
 Erco Radio Labs., Inc., East Stewart Ave., Garden City, N. Y.
 Farmer's Engineering & Mfg. Co., 549 Brushton Ave., Pittsburgh, Pa.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Gates Radio Co., Quincy, Ill.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 National Electronics Labs., Inc., 200 King St., Alexandria, Va.
 Northeastern Engineering, Inc., Manchester, N. H.
PANORAMIC RADIO PRODUCTS, INC., 10 South Second Ave., Mt. Vernon, N. Y. SEE ADV. PG. 213.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, INSIDE BACK AND BACK COVERS.

RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Techno-Scientific Co., 901 Nepperhan Ave., Yonkers 3, N. Y.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 Webster Electric Co., 1900 Clark St., Racine, Wis.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wilcox Electric Co., 1400 Chestnut St., Kansas City, Mo.

COMMUNICATION SYSTEMS—Carrier Current

Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Breco Electronics Corp., 55 Vandam St., New York 13, N. Y.
 Bunnell & Co., J. H., 215 Fulton St., New York, N. Y.
 Communication Accessories Co., Box 345, 110th St. & Hillcrest Rd., Hickman Hills, Missouri
 Communication Equipment & Engineering Co., 5646 W. Race St., Chicago 44, Ill.
 Control Corp., 718 Central Ave., Minneapolis 14, Minn.
 Electronic Systems Co., 201 N. Wells St., Chicago 1, Ill.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
 Farmers' Engineering Mfg. Co., 549 Brushton Ave., Pittsburgh, Pa.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196.
 Link Radio Corp., 125 W. 17th St., New York, N. Y.
 Lynch Co., F. W., 151 2nd St., San Francisco, Calif.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
NORTHERN RADIO CO., INC., 143-145 W. 22nd St., New York 1, N. Y. SEE ADV. PGS. 153-155.
 Philco Corp., Tioga & C Sts., Philadelphia 34, Pa.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Stromberg-Carlson Co., Rochester, N. Y.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Techno-Scientific Co., 901 Nepperhan Ave., Yonkers 3, N. Y.
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

COMMUNICATION SYSTEMS—Facsimile

Acme Teletronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Alfax Paper & Engineering Co., 40 Riverside Ave., Brockton 27 E. B., Mass.

Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Bunnell & Co., J. H., 215 Fulton St., New York, N. Y.
 Communicating Systems Inc., 203 East 18th St., New York 3, N. Y.
 Espy Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Finch Telecommunications Inc., Passaic, N. J.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 McElroy Mfg. Corp., Littleton, Mass.
NORTHERN RADIO CO., INC., 143-145 W. 22nd St., New York 11, N. Y. SEE ADV. PGS. 153-155.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Radio Inventions, Inc., 155 Perry St., New York 14, N. Y.
 Stewart-Warner Electric Div., Stewart-Warner Corp., 1826 Diversey P'way, Chicago 14, Ill.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 TelAutograph Corp., 16 W. 61st St., New York 23, N. Y.
 Times Facsimile Corp., 229 W. 43rd St., New York, N. Y.
 Western Union Telegraph Co., 60 Hudson St., New York 13, N. Y.

COMMUNICATION SYSTEMS—Induction

Communication Equipment & Engrg. Co., 5646 W. Race St., Chicago 44, Ill.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
NORTHERN RADIO CO., INC., 143-145 W. 22nd St., New York 11, N. Y. SEE ADV. PGS. 153-155.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.

COMMUNICATION SYSTEMS—Marine Radio-Telephone

American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Dine & Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
 Emerson Radio & Phonograph Corp., 111 8th Ave., New York, N. Y.
 Erco Radio Labs., Inc., East Stewart Ave., Garden City, N. Y.
 Farmer's Engineering & Mfg. Co., 549 Brushton Ave., Pittsburgh, Pa.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Gates Radio Co., Quincy, Ill.
 Grady Instrument Co., 689 Belmont St., Belmont 78, Mass.
 Gray Radio Co., 501 Forest Hill Blvd., W. Palm Beach, Fla.
 Hallicrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
 Harvey Wells Electronics Inc., North St., Southbridge, Mass.
 Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.
 Hose-McCann Telephone Co., Inc., 25th St. & 3rd Ave., Brooklyn 32, N. Y.
 Intervox Corp., 2701 California Ave., Seattle, Wash.
 Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
 Jefferson, Inc., Ray, 40 E. Merrick Rd., Freeport, N. Y.
 Jefferson-Travis Inc., 76 Ninth Ave., New York 11, N. Y.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada

NORTHERN RADIO CO., INC., 143-145 W. 22nd St., New York 11, N. Y. SEE ADV. PGS. 153-155.
Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
Radio Development & Research Co., 26 Cornellson Ave., Jersey City, N. J.
RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
Radiomarine Corp. of America, 75 Varick St., New York 13, N. Y.
Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
Submarine Signal Div., Raytheon Mfg. Co., Waltham, Mass.
Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

COMMUNICATION SYSTEMS—Micro-wave

Dalmo Victor Co., San Carlos, Calif.
DeMornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
Federal Telecommunication Labs., Inc., 500 Washington Ave., Nutley 10, N. J.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Microwave Equipment Co., North Caldwell, N. J.
Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
Philco Corp., Tioga & C Sts., Phila. 34, Pa.
Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
Rowe Industries, 1702 Wayne St., Toledo 9, Ohio
Sierra Electronic Corp., Belmont & San Carlos, Calif.
SPERRY GYROSCOPE CO., Div. of the Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
Telesivo Products Inc., 7466 W. Irving Park Rd., Chicago 34, Ill.
Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.
WESTINGHOUSE ELECTRIC CORP., P.O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

COMMUNICATION SYSTEMS—Portable Installation

American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
Audio Equipment Co., 80-20 45th Ave., Elmhurst, N. Y.
Bogen Co., David, 663 Broadway, New York 12, N. Y.
Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
Communicating Systems Inc., 203 E. 18th St., New York 3, N. Y.
Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
Dine & Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
Doolittle Radio, Inc., 7421 Loomis Bldg., Chicago 36, Ill.

EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
Erco Radio Labs., Inc., East Stewart Ave., Garden City, N. Y.
Farmers' Engineering & Mfg. Co., 549 Brushton Ave., Pittsburgh, Pa.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Gross Electronics, Inc., 1865-71 Prospect Ave., Cleveland 15, Ohio
Hallcrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
Meck Industries, John, Liberty at Pennsylvania, Plymouth, Ind.
Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
Murdock Mfg. Co., Wm. J., Chelsea, Mass.
Philco Corp., Tioga & C Sts., Philadelphia 34, Pa.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Radio Specialty Mfg. Co., 2023 S. E. Sixth Ave., Portland 14, Ore.
Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
Stark Sound Engineering Co., 2131 Fairfield, Fort Wayne 7, Ind.
Stromberg-Carlson Co., Rochester, N. Y.
Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
Techno-Scientific Co., 901 Nepperhan Ave., Yonkers 3, N. Y.
Transmitter Equipment Mfg. Co., Inc., 345 Hudson St., New York 14, N. Y.
U. S. Instrument Corp., 409 Broad St., Summit, N. J.
Webster Electric Co., 1900 Clark St., Racine, Wisc.
Western Sound & Electric Labs., Inc., 805 S. 5th St., Milwaukee 4, Wisc.
Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

COMMUNICATION SYSTEMS—Radio-teletype

Air Associates, Inc., Teterboro, N. J.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
Boehme Inc., H. O., 915 Broadway, New York, N. Y.
Collins Radio Co., Cedar Rapids, Iowa
Communication Accessories Co., Box 345, 110th St. & Hillcrest Rd., Hickman Hills, Missouri
Crystal Research Labs., Inc., 29 Allyn St., Hartford, Conn.
Erco Radio Labs., Inc., East Stewart Ave., Garden City, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.
Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
McElroy Mfg. Corp., Littleton, Mass.
Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 705-108.
NORTHERN RADIO CO., INC., 143-145 W. 22nd St., New York 11, N. Y. SEE ADV. PGS. 153-155.
Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
Radio Frequency Labs., Inc., Boonton, N. J.
Schuttig & Co., Inc., 9th & Kearney Sts., N. E., Washington 17, D. C.
Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
WESTINGHOUSE ELECTRIC CORP., P.O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

COMMUNICATION SYSTEMS—Railroad

Audio Equipment Co., 80-20 45th Ave., Elmhurst, N. Y.
Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
Bogen Co., David, 663 Broadway, New York 12, N. Y.
Bunnell & Co., J. H., 215 Fulton St., New York, N. Y.
Communication Accessories Co., Box 345, 110th St. & Hillcrest Rd., Hickman Hills, Missouri
Communication Equipment & Engineering Co., 5646 W. Race St., Chicago 44, Ill.
Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
Dine & Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
Electronic Systems Co., 201 N. Wells St., Chicago 1, Ill.
Farmers' Engineering & Mfg. Co., 549 Brushton Ave., Pittsburgh, Pa.
Farnsworth Television & Radio Corp., Ft. Wayne, Ind.
Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
Motorola Inc., 4545 W. Augusta Blvd., Chicago, Ill.
NORTHERN RADIO CO., INC., 143-145 W. 22nd St., New York 11, N. Y. SEE ADV. PGS. 153-155.
Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City 3, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
Stromberg-Carlson Co., Rochester, N. Y.
Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
Webster Electric Co., 1900 Clark St., Racine, Wisc.
West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P.O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

COMMUNICATION SYSTEMS—Vehicular

Alden Products Co., 117 N. Main St., Brockton, Mass.
American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
Audio Equipment Co., 80-20 45th Ave., Elmhurst, N. Y.
Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
Caltron Co., 1406 So. Hobart Blvd., Los Angeles 6, Calif.
Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
Doolittle Radio, Inc., 7421 Loomis Bldg., Chicago 36, Ill.
Eckstein Radio & Television Co., LeRoy, Minn.
Electronic Mechanical Products Co., 13-15-17 N. Virginia Ave., Atlantic City, N. J.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
Erco Radio Labs., Inc., East Stewart Ave., Garden City, N. Y.
Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
Farmers' Engineering & Mfg. Co., 549 Brushton Ave., Pittsburgh Pa.
Farnsworth Television & Radio Corp., Ft. Wayne, Ind.

FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.

Grady Instrument Co., 689 Belmont St., Belmont 78, Mass.

Harvey Radio Labs., Inc., 447 Concord Ave., Cambridge, Mass.

Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.

Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.

Lewyt Corp., 60 Broadway, Brooklyn, N. Y.

Link Radio Corp., 125 W. 17th St., New York, N. Y.

Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.

Measurement Engineering Ltd., Arnprior, Ontario, Canada

Mobile Communications Co., 110 W. Ocean Blvd., Long Beach 2, Calif.

Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.

NORTHERN RADIO CO., INC., 143-145 W. 22nd St., New York 11, N. Y. SEE ADV. PGS. 153-155.

Philco Corp., Tioga & C Sts., Phila. 34, Pa.

Racon Electric Co., 52 E. 19th St., New York 3, N. Y.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, INSIDE BACK AND BACK COVERS.

Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.

Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.

Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.

West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.

Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

WESTINGHOUSE ELECTRIC CORP., P.O. Box 863, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Weston Laboratories, Weston 93, Mass.

Wilcox Electric Co., 1400 Chestnut St., Kansas City, Mo.

COMPARATORS—Automatic Resistance

Clippard Instrument Lab., Inc., 1125 Bank St., Cincinnati 14, Ohio

FREED TRANSFORMER CO., 1736 Weirfield St., Brooklyn 27, N. Y. SEE ADV. PG. 53.

Industrial Instruments Inc., 17 Pollack Ave., Jersey City 5, N. J.

Maguire Industries, Inc., Electronics Dept., Bridgeport, Conn.

Measurement Engineering Ltd., Arnprior, Ontario, Can.

COMPARATORS—Crystal

Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.

Monitor Products Co., 815 Fremont St., So. Pasadena, Calif.

PANORAMIC RADIO PRODUCTS, INC., 10 South Second Ave., Mt. Vernon, N. Y. SEE ADV. PG. 213.

COMPARATORS, SURFACE

See Analyzers, Surface

COMPASSES—Electronic Gyro

ARMA CORP., 254 36th St., Brooklyn 32, N. Y. SEE ADV. PG. 220.

Eclipse Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.

Lear, Inc., 110 Ionia Ave., NW, Grand Rapids 2, Mich.

SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

COMPUTERS, ELECTRONIC

See Machines

CONDENSERS

See Capacitors

CONES—Speaker

Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.

GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.

Hawley Products Co., St. Charles, Ill.

Jensen Mfg. Co., 6601 S. Laramie Ave., Chicago 38, Ill.

Kling Metal Spinning Co., 174 Centre St., New York 13, N. Y.

Magnavox Co., The, Components Div., Fort Wayne 4, Indiana

National Molding Co., 2141 W. Washington Blvd., Los Angeles 7, Calif.

Operadio Mfg. Co., 135th & Indiana Sts., St. Charles, Ill.

Racon Electric Co., 52 E. 19th St., New York 3, N. Y.

Stromberg-Carlson Co., Rochester, N. Y.

TELEX, INC., Telex Park, Minneapolis 1, Minn. SEE ADV. PG. 170.

CONNECTORS—Cable Connectors & Couplings

A B C Products, Inc., 2131-35 Stoner Ave., W. Los Angeles 25, Calif.

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.

Aircraft Radio Corp., Boonton, N. J.

Aircraft-Marine Prods. Inc., 1523 N. Fourth St., Harrisburg, Pa.

AIRTRON INC., 101 E. Elizabeth Ave., Linden, N. J. SEE ADV. PG. 146.

Alden Products Co., 117 North Main St., Brockton 64, Mass.

Aluminum Co. of America, Gulf Bldg., Pittsburgh, Pa.

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.

Ark-Les Switch Corp., 55 Water St., Watertown 72, Mass.

ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.

Buchanan Electrical Products Corp., 1290 Central Ave., Hillside, N. J.

BUD RADIO, INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.

Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio

Burdny Engineering Co., Inc., 107 Bruckner Blvd., New York 54, N. Y.

Cannon Electric Development Co., 3209 Humboldt St., Los Angeles 31, Calif.

Carter Radio Div., Precision Parts Co., 213 Institute Place, Chicago 10, Ill.

CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.

Cords Ltd., 780 Frelinghuysen Ave., Newark 5, N. J.

Dante Electric Mfg. Co., Bantam, Conn.

DIAL LIGHT CO. OF AMERICA, 900 B'way, New York 3, N. Y. SEE ADV. PG. 220.

Diamond Instrument Co., North Ave., Wakefield, Mass.

Eagle Electric Mfg. Co., Inc., 23-10 Bridge Plaza S., Long Island City, New York, N. Y.

Eastern Specialty Co., Phila. 40, Pa.

Eby, Inc., Hugh H., 4700 Stenton Ave., Phila. 44, Pa.

Electrix Corp., 150 Middle St., Pawtucket, R. I.

Electro-Connector Corp., 110 W. Oxford St., Phila. 22, Pa.

Englewood Electrical Supply Co., 5801 S. Halsted St., Chicago, Ill.

Frankel Connector Co., 177 Hudson St., New York, N. Y.

Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

GENERAL ELECTRIC CO., Construction Materials Dept., Bridgeport 2, Conn. SEE ADV. PGS. 5-18.

GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.

HERMETIC SEAL PRODUCTS CO., 29-37 S. 6th St., Newark 7, N. J. SEE ADV. PG. 223.

Howard Mfg. Corp., 1401 S. Main St., Council Bluffs, Iowa

Hubbell Inc., Harvey, Bridgeport 2, Conn.

Ilco Copper Tube & Product Inc., Mariemont Ave., Mariemont, Cincinnati 27, Ohio

Industrial Products Co., Danbury, Conn.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.

J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.

Johnson Co., E. F., Waseca, Minn.

JONES, HOWARD B., Div., Cinch Mfg. Corp., 2460 W. George St., Chicago 18, Ill. SEE ADV. PG. 190

Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.

Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.

Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.

Kolton Electric Mfg. Co., 123 N. J. Railroad Ave., Newark 5, N. J.

Kulka Electric Mfg. Co., Inc., 30 South St., Mt. Vernon, N. Y.

Lapp Insulator Co., Inc., 31 Gilbert St., LeRoy, N. Y.

Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.

Micarta Fabricators, Inc., 5324 Ravenswood Ave., Chicago 40, Ill.

Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.

Mines Equipment Co., 4235 Clayton Ave., St. Louis, Mo.

Molded Insulation Co., Aircraft Control Div., 335 E. Prince St., Philadelphia, Pa.

Morse Co., Frank W., 1300 Soldiers Field Rd., Boston 35, Mass.

O. Z. Electrical Mfg. Co., Inc., 262 Bond St., Brooklyn 2, N. Y.

Penn-Union Electric Corp., 315 State Street, Erie, Pa.

Pyle-National Co., 1334 N. Kostner Ave., Chicago 51, Ill.

Radio Development & Research Co., 26 Cornellson Ave., Jersey City, N. J.

Rattan Mfg. Co., The, 10 Wall St., New Haven 7, Conn.

Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.

RUSSELL & STOLL CO., INC., 125 Barclay St., New York 7, N. Y. SEE ADV. PG. 225.

Schutter, Carl W., Rockville Centre, N. Y.

Scintilla Magneto Div., Bendix Aviation Corp., Sidney, N. Y.

Searle Aero Industries, Inc., Orange, Calif.

Selectar Industries, Inc., 401 East 138th St., New York 54, N. Y.

Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich.

SPERRY GYROSCOPE CO., Div. of the Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

SWITCHCRAFT, INC., 1328-30 N. Halsted St., Chicago 22, Ill. SEE ADV. PG. 231.

Thomas & Betts Co., Inc., 36 Butler St., Elizabeth 1, N. J.

U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.

Winchester Electronics Co., The, 6 East 46th St., New York 17, N. Y.

Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

Workshop Associates, Inc., The, 66 Needham St., Newton Highlands 61, Mass.

CONNECTORS—Ceramic Cable

Aircraft Radio Corp., Boonton, N. J.

Alden Products Co., 117 N. Main St., Brockton 64, Mass.

Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio

CENTRALAB, Div of Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.

Eagle Electric Mfg. Co., Inc., 23-10 Bridge Plaza S., Long Island City, N. Y.

General Ceramics & Steatite Corp., Keasbey, N. J.

Lapp Insulator Co., Inc., 31 Gilbert St., LeRoy, N. Y.

Scintilla-Magneto Div., Bendix Aviation Corp., Sidney, N. Y.

Thomas Products, Inc., 9 Bentley St., Salem, Mass.

CONNECTORS—Coaxial Cable

- Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
AIRTRON, INC., 101 E. Elizabeth Ave., Linden, N. J. SEE ADV. PG. 146.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
 Cannon Electric Development Co., 3209 Humboldt St., Los Angeles 31, Calif.
 Decimeter, Inc., 1430 Market St., Denver 2, Colo.
 Diamond Instrument Co., North Ave., Wakefield, Mass.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
HERMETIC SEAL PRODUCTS CO., 29-37 So. 6th St., Newark, N. J. SEE ADV. PG. 223.
 Industrial Products Co., Danbury, Conn.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
JONES, HOWARD B., Div., Cinch Mfg. Corp., 2460 W. George St., Chicago 18, Ill. SEE ADV. PG. 190.
 Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
 Mines Equipment Co., 4235 Clayton Ave., St. Louis, Mo.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
 Schutter, Carl W., Rockville Centre, N. Y.
 Selector Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Thomas & Betts Co., Inc., 36 Butler St., Elizabeth 1, N. J.
 Thomas Products, Inc., 9 Bentley St., Salem, Mass.
 Ucinite Co., The, Div., United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
 Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.
 Workshop Associates, Inc., The, 66 Needham St., Newton Highlands 61, Mass.

CONNECTORS—Stand-off & Cone

- Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
CENTRALAB, Div. of Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
 Industrial Products Co., Danbury, Conn.
 Interstate Mfg. Corp., 138 Sussex Ave., Newark 4, N. J.
 Lapp Insulator Co., Inc., 31 Gilbert St., LeRoy, N. Y.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.

CONTACTORS

- Automatic Switch Co., 391 Lakeside Ave., Orange, N. J.
 Clark Controller Co., The, 1146 E. 152nd St., Cleveland 10, Ohio
 Cutler-Hammer Inc., 315 North 12th St., Milwaukee 1, Wisc.
FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., No. Chicago, Ill. SEE ADV. PG. 29.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

- GUARDIAN ELECTRIC MFG. CO.**, 1821 W. Walnut St., Chicago 12, Ill. SEE ADV. PGS. 60.
 McQuay-Norris Mfg. Co., 2320 Marconi Ave., St. Louis 10, Mo.
 R. B. M. Div., Essex Wire Corp., Logansport, Ind.
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151.
 Warrick Co., Chas. F., 16251 Hamilton Ave., Detroit 3, Mich.
WESTINGHOUSE ELECTRIC CORP., P.O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Zenith Electric Co., 152 W. Walton St., Chicago 10, Ill.

CONTACTS

See Metal Parts—Contacts

CONTAINERS—One Piece Drawn

- Craft Mfg. Co., 3949 W. Schubert St., Chicago, Ill.

CONTROLS—Alarm System

- ADAMS & WESTLAKE CO.**, Michigan St., Elkhart, Ind. SEE ADV. PGS. 76, 77.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
 Autocall Co., The, Shelby, Ohio
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
BROWNING LABORATORIES, INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
 Cannon Electric Development Co., 3209 Humboldt St., Los Angeles 31, Calif.
 C-O-Two Fire Equipment Co., P. O. Box 390, U. S. Highway 1, Newark 1, N. J.
 Cooper Co., Clark, 374 N. Market St., Palmyra, N. J.
 Edison, Inc., Thomas A., Instrument Div., West Orange, N. J.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
 Electronic Engineers, 1039 B Pacific St., Santa Monica, Calif.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
 Fidelity Amplifier Co., 1632 No. Halsted St., Chicago 14, Ill.
 Fischer & Porter Co., Hatboro, Pa.
 Lumenite Electric Co., 407 S. Dearborn St., Chicago, Ill.
 Mack Electrical Devices, Inc., 43 Glenside Ave., Wyncote, Pa.
 Moulie Specialties Co., 1005-1007 W. Washington St., Bloomington, Ill.
 Photobell Co., 116 Nassau St., New York 7, N. Y.
 Reynolds Electric Co., 2650 W. Congress St., Chicago 12, Ill.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Special Products Co., Silver Spring, Md.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
TRANS-SONICS, INC., Bedford Airport, Bedford, Mass. SEE ADV. PG. 132.

CONTROLS—Auto Radio Remote

- Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 Croname, Inc., 3701 Ravenswood Ave., Chicago, Ill.
 Elliott Manufacturing Co., 218 Prospect Ave., Binghamton, N. Y.
STEWART MFG. CORP., F. W., 4311 Ravenswood Ave., Chicago 13, Ill. SEE ADV. PG. 172.
WHITE DENTAL MFG. CO., S. S., Industrial Div., 10 E. 40th St., New York, N. Y. SEE ADV. PG. 191.

CONTROLS—Automatic Tuning

- Collins Radio Co., Cedar Rapids, Iowa
 Elm Laboratories, 18 South Broadway, Dobbs Ferry, N. Y.
 Haydon Co., A. W., The, 111 W. Main St., Waterbury 32, Conn.
 Leland, Inc., G. H., 123 Webster St., Dayton 2, Ohio
 Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.

CONTROLS—Chemical

- ALLIED CONTROL CO., INC.**, 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Baird Associates, Inc., 33 University Rd., Cambridge 38, Mass.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Foxboro Co., The, Foxboro, Mass.
 General Controls Co., Glendale, Calif.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PG. 161.
 La Motte Chemical Products Co., Towson 4, Baltimore, Md.
 Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia, Pa.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
ROBINETTE CO., W. C., 802 Fair Oaks Ave., South Pasadena, Calif. SEE ADV. PG. 204.
 Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.

CONTROLS—Counting & Sorting

- ALLIED CONTROL CO., INC.**, 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.
ARMA CORP., 254 36th St., Brooklyn 32, N. Y. SEE ADV. PG. 220.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Autotron Co., Danville, Ill.
 Do All Co., 254 N. Laurel Ave., Des Plaines, Ill.
 Eagle Signal Corp., Moline, Ill.
ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. See ADV. PG. 188.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia, Pa. SEE ADV. PG. 189.
 Fielden Electronics, Inc., 1171 New York Ave., Huntington Station, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Gerett Corp., M. A., 724 W. Winnebago St., Milwaukee 5, Wis.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 Special Products Co., Silver Spring, Md.
 Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.
 Thermo Labs, Inc., 355 W. 26th St., New York 1, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CONTROLS—Density

See Controls, Specific Gravity

CONTROLS—Dimension

ARMA CORP., 254 36th St., Brooklyn 32, N. Y. SEE ADV. PG. 220.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
 Fielden Electronics Inc., 1171 New York Ave., Huntington Station, N. Y.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 ROBINETTE CO., W. C., 802 Fair Oaks Ave., South Pasadena, Calif. SEE ADV. PG. 204.
 Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.

CONTROLS—Door

American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
 Fielden Electronics Inc., 1171 New York Ave., Huntington Station, N. Y.
 Photoswitch, Inc., 77 Broadway, Cambridge 42, Mass.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Special Products Co., Silver Spring, Md.
 Stanley Works, The, New Britain, Conn.
 Teletronics Laboratory, Inc., 352 Maple Ave., Westbury, L. I., N. Y.
 Warrick Co., Chas. F., 16251 Hamilton Ave., Detroit 3, Mich.
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CONTROLS—Electronic Motor

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Airlectron, P.O. Box 151, Caldwell, N. J.
 Cutler-Hammer, Inc., 315 N. 12th St., Milwaukee 1, Wis.
 Electric Machinery Mfg. Co., 1331 NE Tyler St., Minneapolis 13, Minn.
 Electron Equipment Corp., 917 Meridian Ave., South Pasadena, Calif.
 Ess Instrument Co., 96 S. Washington Ave., Bergenfield, N. J.
 Federal Electric Products Co., 50 Paris St., Newark, N. J.
 Flight Research Engineering Corp., P. O. Box 1-F, Richmond 1, Va.
 Gaveco Labs, Inc., 2 East End Ave., New York 21, N. Y.
 GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Heller Co., Gerald K., 1540 Ridgely St., Baltimore 30, Md.
 Hertner Electric Co., 12690 Elmwood Ave., Cleveland 11, Ohio.
 Hoffman Engineering Corp., Anoka, Minn.
 Industrial Electronics & Transformer Co., 1809 E. Slauson Ave., Los Angeles 11, Calif.
 Jarvis Electronics Corp., 6058 Fullerton Ave., Chicago 39, Ill.
 Magnavox Co., The, Components Div., Fort Wayne 4, Ind.
 Mellaphone Corp., Rochester 2, N. Y.
 Mosher Electronic Controls, 130 W. 42nd St., New York, N. Y.
 OHMITE MFG. CO., 4935 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.
 RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 ROBINETTE CO., W. C., 802 Fair Oaks Ave., S. Pasadena, Calif. SEE ADV. PG. 204.
 Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.
 Servo-Tek Products Co., 4 Godwin Ave., Paterson, N. J.
 Servomechanisms, Inc., 142 Mineola Blvd., Mineola, N. Y.
 Skaneateles Mfg. Co., Inc., 122 Dickerson St., Syracuse 2, N. Y.
 Speedway Mfg. Co., 1834 S. 52nd Ave., Cicero 50, Ill.
 Synchro Start Products, Inc., 1046 W. Fullerton Ave., Chicago 14, Ill.
 Teletronics Laboratory, Inc., 352 Maple Ave., Westbury, L. I., N. Y.

Trumbull Electric Mfg. Co., Plainville, Conn.
 Weltronic Co., 19500 West 8 Mile Rd., Detroit 19, Mich.
 WESTINGHOUSE ELEC. CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CONTROLS—Elevator Leveling

Airlectron, P.O. Box 151, Caldwell, N. J.
 Fielden Electronics, Inc., 1171 New York Ave., Huntington Station, N. Y.

CONTROLS—Film Thickness

ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
 GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

CONTROLS—Fluid Conductivity

Brinnell Co., The, Granby, Conn.
 Foxboro Co., The, Foxboro, Mass.
 Industrial Instruments Inc., 17 Pollack Ave., Jersey City 5, N. J.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 Network Mfg. Corp., Bayonne, N. J.
 Photoswitch, Inc., 77 Broadway, Cambridge 42, Mass.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.
 UNITED CONDENSER CORP., 337 E. 139th St., New York 54, N. Y. SEE ADV. PG. 225.
 Warrick Co., Chas. F., 16251 Hamilton Ave., Detroit 3, Mich.

CONTROLS—Fluid Flow

Askania Regulator Co., 240 E. Ontario St., Chicago 11, Ill.
 ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Brinnell Co., The, Granby, Conn.
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Caltron Co., 1406 So. Hobart Blvd., Los Angeles 6, Calif.
 Coral Designs, P. O. Box 248, Forest Hills, N. Y.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Fischer & Porter Co., Hatboro, Pa.
 Foxboro Co., The, Foxboro, Mass.
 General Controls Co., Glendale 1, Calif.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CONTROLS—Food Processing

Askania Regulator Co., 240 E. Ontario St., Chicago 11, Ill.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Coral Designs, P. O. Box 248, Forest Hills, N. Y.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Foxboro Co., The, Foxboro, Mass.
 Lumenite Electric Co., 407 S. Dearborn St., Chicago, Ill.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Ranco, Inc., 601 W. Fifth Ave., Columbus, Ohio
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Skaneateles Mfg. Co., Inc., 122 Dickerson St., Syracuse 2, N. Y.

Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.
 Ulanet Co., George, 413 Market St., Newark 5, N. J.
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CONTROLS—Frequency

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Gaveco Labs., Inc., 2 East End Ave., New York 21, N. Y.
 Industrial Electronics & Transformer Co., 1809 E. Slauson Ave., Los Angeles 11, Calif.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 Monitor Products Co., 815 Fremont Ave., So. Pasadena, Calif.
 Rangertone, Inc., 73 Winthrop St., Newark 4, N. J.

CONTROLS—Gain

See Attenuators

CONTROLS—Heat Treating

Askania Regulator Co., 240 E. Ontario St., Chicago 11, Ill.
 Assembly Products, Inc., Chagrin Falls 6, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Burling Instrument Co., 253 Springfield Ave., Newark 3, N. J.
 CRAMER CO., INC., R. W., Centerbrook, Conn. SEE ADV. PG. 99.
 Foxboro Co., The, Foxboro, Mass.
 GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Gordon Co., Claud S., 3000 S. Wallace St., Chicago 16, Ill.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Mack Electrical Devices, Inc., 43 Glenside Ave., Wyncote, Pa.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
 Tuttle & Kift, 1832 N. Monitor St., Chicago, Ill.
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wheelco Instruments Co., 847 W. Harrison St., Chicago 7, Ill.

CONTROLS—Humidity

American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 Barber-Colman Co., Rockford, Ill.
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Phila. 44, Pa.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Electronic Prods. Co., St. Charles, Ill.
 Foxboro Co., The, Foxboro, Mass.
 Friez Instrument Div., Bendix Aviation Corp., Baltimore 4, Md.
 General Controls Co., Glendale 1, Calif.
 Illinois Testing Labs., Inc., 420 N. LaSalle St., Chicago 10, Ill.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Mack Electrical Devices, Inc., 43 Glenside Ave., Wyncote, Pa.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 Serdex, Inc., 91 Cambridge St., Boston, Mass.

Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Techno-Scientific Co., 901 Nepperhan Ave., Yonkers 3, N. Y.
 Tenney Engineering Inc., 26 Avenue B, Newark, N. J.

CONTROLS—Illumination

Autotron Co., The, Danville, Ill.
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
 Electronic Products Co., St. Charles, Ill.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Kolton Electric Mfg. Co., 123 N. J. Railroad Ave., Newark 5, N. J.
 Mack Electrical Devices, Inc., 43 Glenside Ave., Wyncote, Pa.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
ROBINETTE CO., W. C., 802 Fair Oaks Ave., S. Pasadena, Calif. SEE ADV. PG. 204.
 Vero Mfg. Co., Inc., Box 638, Garland, Texas
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CONTROLS—Inspection

Airlectron, P.O. Box 151, Caldwell, N. J.
 Electric Eye Equipment Co., 16 W. Fairchild St., Danville, Ill.
 Fielden Electronics Inc., 1171 New York Ave., Huntington Station, N. Y.
 Gerett Corp., M. A., 724 W. Winnebago St., Milwaukee 5, Wisc.
 Photobell Co., 116 Nassau St., New York 7, N. Y.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Special Products Co., Silver Spring, Md.
 Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.
 Vacuum Electronic Engineering Co., 316 37th St., Brooklyn 2, N. Y.

CONTROLS—Liquid Level

Alco Valve Co., 865 Kingsland, St. Louis 5, Mo.
 Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wisc.
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.
 Askania Regulator Co., 240 E. Ontario St., Chicago 11, Ill.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Autocall Co., The, Shelby, Ohio
 Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Clark Controller Co., The, 1146 E. 152nd St., Cleveland 10, Ohio
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wisc.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teeterboro, N. J.
 Electronic Prods. Co., St. Charles, Ill.
 Engineering Lab., Inc., 602 E. 4th St., Tulsa 3, Okla.
 Fielden Electronics Inc., 1171 New York Ave., Huntington Station, N. Y.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass.
 Foxboro Co., The, Foxboro, Mass.
 General Controls Co., Glendale 1, Calif.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PG. 5-18.
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.

Leupold & Stevens Instruments, 4445 N.E. Glisan St., Portland 13, Ore.
 Lumenite Electric Co., 407 S. Dearborn St., Chicago, Ill.
 Mercoild Corp., The, 4201 Belmont Ave., Chicago 41, Ill.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
 Mosher Electronic Controls, 130 W. 42nd St., New York, N. Y.
 Photoswitch, Inc., 77 Broadway, Cambridge 42, Mass.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
ROBINETTE CO., W. C., 802 Fair Oaks Ave., South Pasadena, Calif. SEE ADV. PG. 204.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Warrick Co., Chas. F., 16251 Hamilton Ave., Detroit 3, Mich.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CONTROLS—Loop Regulation

Airlectron, P.O. Box 151, Caldwell, N. J.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CONTROLS—Machine Safety

American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Autotron Co., The, Danville, Ill.
 Brinnell Co., The, Granby, Conn.
 Clark Controller Co., The, 1146 E. 152nd St., Cleveland 10, Ohio
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
 Fielden Electronics Inc., 1171 New York Ave., Huntington Station, N. Y.
 Gerett Corp., M. A., 724 W. Winnebago St., Milwaukee 5, Wisc.
 Hercules Electric & Mfg. Co., Inc., 2500 Atlantic Ave., Brooklyn 7, N. Y.
 Hoffman Engineering Corp., Anoka, Minn.
INDUSTRIAL ELECTRONICS, INC., 2457 Woodward Ave., Detroit 1, Mich. SEE ADV. PG. 226.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Special Products Co., Silver Spring, Md.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CONTROLS—Mechanical Switch

AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
 Brinnell Co., The, Granby, Conn.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.
 Machine-O-Matic, Inc., P. O. Box 238, Ashley, Ohio
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CONTROLS—Moisture

American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 Brown Instrument Co., Wayne & Roberts Aves., Phila. 44, Pa.
 Fielden Electronics Inc., 1171 New York Ave., Huntington Station, N. Y.
 Foxboro Co., The, Foxboro, Mass.
 Mack Electrical Devices Inc., 43 Glenside Ave., Wyncote, Pa.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis 5, Minn.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 Moisture Register Co., P. O. Drawer No. 910, Alhambra, Calif.
 Network Mfg. Corp., Bayonne, N. J.
 Serdex, Inc., 91 Cambridge St., Boston, Mass.
 Thwing-Albert, Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.

CONTROLS—Nuclear Counter

Airlectron, P.O. Box 151, Caldwell, N. J.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Automatic Temperature Control Co., Inc., 5212 Pulaski Ave., Philadelphia 44, Pa.
 Autotron Co., The, Danville, Ill.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Berkeley Scientific Co., 6th & Nevin, Richmond, Calif.
 Brinnell Co., The, Granby, Conn.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Michigan
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
 Engineering Research Associates, Inc., 1902 W. Minnehaha Ave., St. Paul 4, Minn.
 Entwistle Co., James L., P. O. Box 305, Providence, R. I.
 Fielden Electronics Inc., 1171 New York Ave., Huntington Station, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Gorrell & Gorrell, Haworth, N. J.
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Hetherington & Son, Inc., Robert, Sharon Hill, Pa.
 Hoffman Engineering Corp., Anoka, Minn.
 Lansing Engineering Co., Electronics Div., 735 E. Kalamazoo St., Lansing, Mich.
 North American Philips Co., 100 E. 42nd St., New York 17, N. Y.
 Nuclear Instrument & Chemical Co., 223 W. Erie St., Chicago 10, Ill.
 Omaha Scientific Supply Co., 3623 Lake St., Omaha 4, Neb.
 Photobell Co., 116 Nassau St., New York 7, New York
 Photoswitch Inc., 77 Broadway, Cambridge 42, Mass.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill.
 Radiation Counter Lab., Inc., 1844 W. 21st St., Chicago 8, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radioactive Products, Inc., 3201 E. Woodbridge St., Detroit 7, Mich.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Sherron Electronics Corp., 1201 Flushing Ave., Brooklyn 6, N. Y.
 Special Products Co., Silver Spring, Md.
 Technitrol Engineering Co., 3212 Market St., Phila., Pa.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
 Tracerlab Inc., 55 Oliver St., Boston 10, Mass.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wilson & Co., G. C., 2 N. Passaic Ave., Chatham, N. J.

CONTROLS—Oxygen

Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.

CONTROLS—Ozone

Lear, Inc., 110 Ionia Ave., N. W., Grand Rapids 2, Mich.
Thermionic Engineering Corp., Pompton Plains, N. J.

CONTROLS—PH

Bristol Co., The, Waterbury, Conn.
Brown Instrument Co., Wayne & Roberts Aves., Phila. 44, Pa.
Elm Laboratories, 18 South Broadway, Dobbs Ferry, N. Y.
LaMotte Chemical Products Co., Towson 4, Baltimore, Md.
Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.
Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
National Technical Lab., 820 Mission St., S. Pasadena, Calif.

CONTROLS—Package Wrapping

Electric Eye Equipment Co., 16 W. Fairchild St., Danville, Ill.
Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
Ulanet Co., George, 413 Market St., Newark 5, N. J.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CONTROLS—Photoelectric

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
Airelectron, P. O. Box 151, Caldwell, N. J.
ALLIED CONTROL CO. INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.
American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
Autotron Co., The, Danville, Ill.
C-O-Two Fire Equipment Co., P. O. Box 390, U. S. Highway 1, Newark 1, N. J.
Combustion Research Laboratories, Inc., 104-18 Metropolitan Ave., Forest Hills, N. Y.
De Jur-Amsco Corp., Northern Blvd. at 45th St., L. I. City 1, N. Y.
Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
Electronic Mechanical Products Co., 13-15-17 N. Virginia Ave., Atlantic City, N. J.
Electronic Prods. Co., St. Charles, Ill.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
Ess Instrument Co., 96 So. Washington Ave., Bergenfield, N. J.
Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass.
FORD INSTRUMENT CO., INC., 31-10 Thomson Ave., L. I. City, N. Y. SEE ADV. PG. 90.
GENERAL CONTROL COMPANY, 1200 Soldiers Field Rd., Boston 34, Mass. SEE ADV. PG. 161.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
Inductive Equipment Co., Gettysburg, Pa.
Lumenite Electric Co., 407 S. Dearborn St., Chicago, Ill.
Mettler Co., Lee B., 406 S. Main St., Los Angeles 13, Calif.
Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
Moulic Specialties Co., 1005-1007 W. Washington St., Bloomington, Ill.
National Technical Lab., 820 Mission St., S. Pasadena, Calif.
Photobell Co., 116 Nassau St., New York 7, N. Y.

Photoswitch, Inc., 77 Broadway, Cambridge 42, Mass.
Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
Special Products Co., Silver Spring, Md.
Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
Wilmette Inc., Raymond M., 1469 Church St., N.W., Washington 5, D. C.
Wilson & Co., G. C., 2 N. Passaic Ave., Chatham, N. J.
Worner Electronic Devices, Rankin, Ill.

CONTROLS—Photographic Exposure

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
CRAMER CO. INC., R. W., Centerbrook, Conn. SEE ADV. PG. 99.
Electronic Mechanical Products Co., 13-15-17 N. Virginia Ave., Atlantic City, N. Y.
Industrial Timer Corp., 115 Edison Pl., Newark 5, N. J.
Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

CONTROLS—Positioning

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
ARMA CORP., 254 36th St., Brooklyn 32, N. Y. SEE ADV. PG. 220.
Askania Regulator Co., 240 E. Ontario St., Chicago 11, Ill.
Barber Colman Co., Rockford, Ill.
Collins Radio Co., Cedar Rapids, Iowa
Eclipse Pioneer Div., Bendix Aviation Corp., Teeterboro, N. J.
Elliott Mfg. Co., 218 Prospect Ave., Binghamton, N. Y.
Fairchild Camera & Instrument Corp., 88-06 Van Wyck Blvd., Jamaica 1, N. Y.
Fielden Electronics Inc., 1171 New York Ave., Huntington Station, N. Y.
FORD INSTRUMENT CO., INC., 31-10 Thomson Ave., L. I. City, N. Y. SEE ADV. PG. 90.
Foxboro Co., The, Foxboro, Mass.
Gaveco Laboratories, Inc., 2 East End Avenue, New York 21, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
Giannini & Co., G. M., 285 W. Colorado St., Pasadena 1, Calif.
Hetherington & Son, Inc., Robert, Sharon Hill, Pa.
Lear, Inc., 110 Ionia Ave., N. W., Grand Rapids 2, Mich.
Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
ROBINETTE CO., W. C., 802 Fair Oaks Ave., South Pasadena, Calif. SEE ADV. PG. 204.
Servo-Tek Products Co., 4 Godwin Ave., Paterson, N. J.
Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.
SUPERIOR ELECTRIC CO., 83 Laurel St., Bristol, Conn. SEE ADV. PGS. 142, 143.
Synchro Start Products, Inc., 1046 W. Fullerton Ave., Chicago 14, Ill.

Techno-Scientific Co., 901 Nepperhan Ave., Yonkers 3, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CONTROLS—Power Level

Brinnell Co., The, Granby, Conn.

CONTROLS—Pressure

Askania Regulator Co., 240 E. Ontario St., Chicago 11, Ill.
Autocall Co., The, Shelby, Ohio
Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
Barber-Colman Co., Rockford, Ill.
Brinnell Co., The, Granby, Conn.
Bristol Co., The, Waterbury 91, Conn.
Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
Caltron Co., 1406 So. Hobart Blvd., Los Angeles 6, Calif.
Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
Cooper Co., Clark, 374 N. Market St., Palmyra, N. J.
Coral Designs, P. O. Box 248, Forest Hills, N. Y.
Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.
Eclipse-Pioneer Div., Bendix Aviation Corp., Teeterboro, N. J.
Foxboro Co., The, Foxboro, Mass.
General Controls Co., Glendale 1, Calif.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
Hercules Electric & Mfg. Co., Inc., 2500 Atlantic Ave., Brooklyn 7, N. Y.
McQuay-Norris Mfg. Co., 2320 Marconi Ave., St. Louis 10, Mo.
Mercoird Corp., The, 4201 Belmont Ave., Chicago 41, Ill.
Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
Ranco, Inc., 601 W. Fifth Ave., Columbus, Ohio
ROBINETTE CO., W. C., 802 Fair Oaks Ave., South Pasadena, Calif. SEE ADV. PG. 204.
Skaneateles Mfg. Co., Inc., 122 Dickerson St., Syracuse 2, N. Y.
Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
United Electric Controls Co., 85 School St., Watertown 72, Mass.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
White-Rodgers Electric Co., 1209 Cass Ave., St. Louis 6, Mo.

CONTROLS—Printing

Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.
Electric Eye Equipment Co., 16 W. Fairchild St., Danville, Ill.
Ess Instrument Co., 96 So. Washington Ave., Bergenfield, N. J.
FORD INSTRUMENT CO., INC., 31-10 Thomson Ave., L. I. City, N. Y. SEE ADV. PG. 90.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
ROBINETTE CO., W. C., 802 Fair Oaks Ave., South Pasadena, Calif. SEE ADV. PG. 204.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

CONTROLS—Radio Remote

Aeronautical Communications Equipment, Inc., 3090 Douglas Rd., Miami 33, Fla.
American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
Babcock Radio Engineering, Inc., 6164 Sepulveda Blvd., Van Nuys, Calif.

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.

Bell Sound Systems, Inc., 555 Marion Rd., Columbus 7, Ohio

Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, North Hollywood, Calif.

Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.

Brelco Electronics Corp., 55 Vandam St., New York 13, N. Y.

Collins Radio Co., Cedar Rapids, Iowa

Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.

Communication Accessories Co., Box 345, 110th St. & Hillcrest Rd., Hickman Hills, Missouri

Dual Remote Control Co., Garden City, Mich.

Electronic Engineers, 1039 B Pacific St., Santa Monica, Calif.

Elliott Mfg. Co., 218 Prospect Ave., Binghamton, N. Y.

Elm Laboratories, 18 South Broadway, Dobbs Ferry, N. Y.

EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.

Ereco Radio Labs., Inc., East Stewart Ave., Garden City, N. Y.

FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.

Jefferson Inc., Ray, 40 E. Merrick Rd., Freeport, N. Y.

Link Radio Corp., 125 W. 17th St., New York, N. Y.

Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.

Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila. 44, Pa.

Northeastern Engineering, Inc., Manchester, N. H.

RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.

Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.

Schuttig & Co., Inc., 9th & Kearney Sts., N.E., Washington 17, D. C.

Searle Aero Industries, Inc., Orange, Calif.

Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.

Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.

Shakespeare Products Co., 241 E. Kalamazoo Ave., Kalamazoo, Mich.

Sierra Electronic Corp., Belmont & San Carlos, Calif.

Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City 3, N. Y.

Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.

Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.

Techno-Scientific Co., 901 Nepperhan Ave., Yonkers 3, N. Y.

Teletronics Laboratory, Inc., 352 Maple Ave., Westbury, L. I., N. Y.

Transmitter-Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.

WHITE DENTAL MFG. CO., S. S., Industrial Div., 10 E. 40th St., New York, N. Y. SEE ADV. PG. 191.

Yates Engineering Services, Box 67, Cranford, N. J.

CONTROLS—Refrigeration Defrosting

CRAMER CO., INC., R. W., Centerbrook, Conn. SEE ADV. PG. 99.

Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.

Fielden Electronics, Inc., 1171 New York Ave., Huntington Station, N. Y.

General Controls Co., Glendale 1, Calif.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

Paragon Electric Co., Two Rivers, Wis.

Ranco, Inc., 601 W. Fifth Ave., Columbus, Ohio

Tenney Engineering, Inc., 26 Avenue B., Newark 5, N. J.

Tork Clock Co., Inc., 1 Grove St., Mt. Vernon, N. Y.

White-Rodgers Electric Co., 1209 Cass Ave., St. Louis 6, Mo.

CONTROLS—Register

Autotron Co., The, Danville, Ill.

Electric Eye Equipment Co., 16 W. Fairchild St., Danville, Ill.

FORD INSTRUMENT CO., INC., 31-10 Thomson Ave., L. I. City, N. Y. SEE ADV. PG. 90.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

Machine-O-Matic, Inc., P. O. Box 238, Ashley, Ohio

Nuclear Instrument & Chemical Corp., 223 W. Erie Street, Chicago 10, Ill.

Photoswitch, Inc., 77 Broadway, Cambridge 42, Mass.

Ripley Co., Inc., P. O. Box 31, Middletown, Conn.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Worner Electronic Devices, Rankin, Ill.

CONTROLS—Register Cutter

Electric Eye Equipment Co., 16 W. Fairchild St., Danville, Ill.

Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass.

FORD INSTRUMENT CO., INC., 31-10 Thomson Ave., L. I. City, N. Y. SEE ADV. PG. 90.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

Lear, Inc., 110 Ionia Ave., N.W., Grand Rapids 2, Mich.

Nuclear Instrument & Chemical Co., 223 W. Erie St., Chicago 10, Ill.

Ripley Co., Inc., P. O. Box 31, Middletown, Conn.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CONTROLS—Servo

Airlectron, P. O. Box 151, Caldwell, N. J.

ALLIED CONTROL CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.

ARMA CORP., 254 36th St., Brooklyn, 32, N. Y. SEE ADV. PG. 220.

Askania Regulator Co., 240 E. Ontario St., Chicago 11, Ill.

Barber-Colman Co., Rockford, Ill.

Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.

Collins Radio Co., Cedar Rapids, Iowa

Eclipse-Pioneer Div. of Bendix Aviation Corp., Teterboro, N. J.

ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.

Fairchild Camera & Instrument Corp., 88-06 Van Wyck Blvd., Jamaica 1, N. Y.

Flight Research Engineering Corp., P. O. Box 1-F, Richmond 1, Va.

FORD INSTRUMENT CO., INC., 31-10 Thomson Ave., L. I. City, N. Y. SEE ADV. PG. 90.

Gaveco Laboratories, Inc., 2 East End Avenue, New York 21, N. Y.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.

Heller Co., Gerald K., 1540 Ridgely St., Baltimore 30, Md.

Jarvis Electronics Corp., 6058 W. Fullerton Ave., Chicago 38, Ill.

Lear, Inc., 110 Ionia Ave., N.W., Grand Rapids 2, Mich.

National Technical Lab., 820 Mission St., S. Pasadena, Calif.

Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.

Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.

ROBINETTE CO., W. C., 802 Fair Oaks Ave., South Pasadena, Calif. SEE ADV. PG. 204.

Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.

Servo-Tek Products Co., 4 Godwin Ave., Pater-son, N. J.

Servomechanisms, Inc., 142 Mineola Blvd., Mineola, N. Y.

Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.

Techno-Scientific Co., 901 Nepperhan Ave., Yonkers 3, N. Y.

Televisto Products Inc., 7466 West Irving Park Road, Chicago 34, Ill.

Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.

TRANS-SONICS, INC., Bedford Airport, Bedford, Mass. SEE ADV. PG. 132.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Wilson & Co., G. C., 2 N. Passaic Ave., Chatham, N. J.

CONTROLS—Skew

Acme Telectronic Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio

Gaveco Labs., Inc., 2 East End Ave., New York 21, N. Y.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

CONTROLS—Smoke & Combustion

Autotron Co., The, Danville, Ill.

Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland, Ohio

Bristol Co., The, Waterbury 91, Conn.

Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.

Combustion Control Corp., 77 Broadway, Cambridge 42, Mass.

Combustion Research Laboratories, Inc., 104-18 Metropolitan Ave., Forest Hills, N. Y.

Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.

Electronic Products Co., St. Charles, Ill.

Ess Instrument Co., 96 So. Washington Ave., Bergenfield, N. J.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.

Paragon Electric Co., Two Rivers, Wis.

Photovolt Corp., 95 Madison Ave., New York 16, N. Y.

Ripley Co., Inc., P. O. Box 31, Middletown, Conn.

Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.

Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.

Worner Electronic Devices, Rankin, Ill.

CONTROLS—Sound System

CENTRALAB, DIV. of Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.

Commercial Radio Sound Corp., 575 Lexington Ave., New York 22, N. Y.

Daven Co., 191 Central Ave., Newark 4, N. J.

Electronic Systems Co., 201 N. Wells St., Chicago 1, Ill.

EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.

Gray Mfg. Co., 16 Arbor St., Hartford, Conn.

Magnavox Co., The, Components Div., Fort Wayne 4, Ind.

Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.

Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.

Stackpole Carbon Co., St. Marys, Pa.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

Stark Sound Engineering Co., 2131 Fairfield, Fort Wayne 7, Ind.

Webster Electric Co., 1900 Clark St., Racine, Wis.

CONTROLS—Specific Gravity

Askania Regulator Co., 240 E. Ontario St., Chicago 11, Ill.

Brown Instrument Co., Wayne & Roberts Aves., Phila. 44, Pa.

Ess Instrument Co., 96 So. Washington Ave., Bergenfield, N. J.

Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S. Minneapolis, Minn.

CONTROLS—Strain

Brinnell Co., The, Granby, Conn.
GENERAL ELECTRIC CO., Schenectady 5, N. Y.
 SEE ADV. PGS. 5-18.

CONTROLS—Temperature

Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wisconsin
 American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Askania Regulator Co., 240 E. Ontario St., Chicago 16, Ill.
 Assembly Products, Inc., Chagrin Falls 6, Ohio
 Autocall Co., The, Shelby, Ohio
 Automatic Temperature Control Co., Inc., 5212 Pulaski Ave., Philadelphia 44, Pa.
 Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Barber-Colman Co., Rockford, Ill.
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Burling Instrument Co., 253 Springfield Ave., Newark 3, N. J.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 Cooper Co., Clark, 374 N. Market St., Palmyra, N. J.
 Edison Inc., Thomas A., Instrument Div., West Orange, N. J.
ELECTRIC SOLDERING IRON CO., W. Elm St., Deep River, Conn. SEE ADV. PG. 30.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Fielden Electronics Inc., 1171 New York Ave., Huntington Station, N. Y.
 Fischer-Smith, Inc., 164 State St., West Englewood, N. J.
 Foxboro Co., The, Foxboro, Mass.
 Fulton Siphon Div., Robertshaw-Fulton Controls Co., Knoxville 4, Tenn.
 Gaveco Labs., Inc., 2 East End Ave., New York 21, N. Y.
 General Controls Co., Glendale 1, Calif.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Hartman Electrical Mfg. Co., 175 N. Diamond St., Mansfield, Ohio
 Illinois Testing Labs., Inc., 420 N. LaSalle St., Chicago 10, Ill.
 Lear, Inc., 110 Ionia Ave., N.W., Grand Rapids 2, Mich.
 Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
MacDONALD & CO., INC., W. S., 33 University Rd., Cambridge 38, Mass. SEE ADV. PG. 118.
 Mack Electrical Devices, Inc., 43 Glenside Ave., Wyncote, Pa.
 McQuay-Norris Mfg. Co., 2320 Marconi Ave., St. Louis 10, Mo.
 Mercoird Corp., The, 4201 Belmont Ave., Chicago 41, Ill.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 Monitor Products Co., 815 Fremont St., So. Pasadena, Calif.
 Nuclear Instrument & Chemical Co., 223 W. Erie St., Chicago 10, Ill.
 Nurnberg Thermometer Co., Inc., 4 Corey St., Boston 32, Mass.
 Philadelphia Thermometer Co., 4401 N. Sixth St., Philadelphia, Pa.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 Ranco, Inc., 601 W. Fifth Ave., Columbus, Ohio
 Richards Co., Inc., Arklay S., 78 Winchester St., Newton Highlands, Mass.

Sarco Co., Inc., Empire State Bldg., New York 1, N. Y.
SPENCER-KENNEDY LABS, INC., 186 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PG. 208.
 Spencer Thermostat Co., 34 Forest St., Attleboro, Mass.
 Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Tenney Engineering Inc., 26 Avenue B, Newark 5, N. J.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
TRANS-SONICS, INC., Bedford Airport, Bedford, Mass. SEE ADV. PG. 132.
 Tuttle & Kift, 1832 N. Monitor St., Chicago, Ill.
 Ulanet Co., George, 413 Market St., Newark 5, N. J.
 United Electric Controls Co., 85 School St., Wattertown 72, Mass.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wheelco Instruments Corp., 847 W. Harrison St., Chicago 7, Ill.
 White-Rodgers Electric Co., 1201 Cass Ave., St. Louis 6, Mo.
 Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

CONTROLS—Tentering

Airlectron, P. O., Box 151, Caldwell, N. J.
 Automatic Temperature Control Co., Inc., 5212 Pulaski Ave., Philadelphia 44, Pa.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Fielden Electronics, Inc., 1171 New York Ave., Huntington Station, N. Y.
 Foxboro Co., The, Foxboro, Mass.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CONTROLS—Timing

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
ADAMS & WESTLAKE CO., Michigan St., Elkhart, Ind. SEE ADV. PGS. 76, 77.
 Airlectron, P. O., Box 151, Caldwell, N. J.
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Autotron Co., Danville, Ill.
AVIOMETER DIV. of Roanwell Corp., 662¹/₂ Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
 Brinnell Co., The, Granby, Conn.
 Bristol Co., The, Waterbury 91, Conn.
CRAMER CO., INC., R. W., Centerbrook, Conn. SEE ADV. PG. 99.
 Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.
 Eagle Signal Corp., Moline, Ill.
 Edison, Inc., Thomas A., Instrument Div., West Orange, N. J.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass.
GENERAL CONTROL COMPANY, 1200 Soldiers Field Rd., Boston 34, Mass. SEE ADV. PG. 161.
 General Controls Co., Glendale 1, Calif.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
HAYDON MFG. CO., INC., 584 E. Elm St., Torrington, Conn. SEE ADV. PGS. 68, 69.
 Industrial Timer Co., 115 Edison Pl., Newark 5, N. J.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
 Lektra Labs., 30 E. 10th St., New York, N. Y.
 Luminit Electric Co., 407 S. Dearborn St., Chicago, Ill.
 Magnavox Co., The, Components Div., Fort Wayne 4, Ind.

Maritime Quality Hardware Co., Inc., Belfast, Maine
 Mercoird Corp., The, 4201 Belmont Ave., Chicago 41, Ill.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 Paragon Electric Co., Two Rivers, Wis.
 Photovolt Corp., 95 Madison Ave., New York 16, N. Y.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Reynolds Electric Co., 2650 W. Congress St., Chicago 12, Ill.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Robotron Corp., 5570 W. Chicago Blvd., Detroit 4, Mich.
 Sciaky Bros., 4915 W. 67th St., Chicago 38, Ill.
 Simpson Mfg. Co., Inc., Mark, 3228 49 St., Long Island City 3, N. Y.
 Standard Electric Time Co., 89 Logan St., Springfield, Mass.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
TELECHRON, INC., Homer Ave., Ashland, Mass. SEE ADV. PG. 85.
 Ulanet Co., George, 413 Market St., Newark 5, N. J.
 Walser Automatic Timer Co., Graybar Bldg., New York, N. Y.
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 White-Rodgers Electric Co., 1209 Cass Ave., St. Louis 6, Mo.
 Wilson & Co., G. C., 2 N. Passaic Ave., Chatham, N. J.
 Worner Electronic Devices, Rankin, Ill.

CONTROLS—Torque

Brinnell Co., The, Granby, Conn.
 Eastern Metals Industries, 250 W. 54th St., New York 19, N. Y.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Gaveco Laboratories, Inc., 2 East End Ave., New York 21, N. Y.
 Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
ROBINETTE CO., W. C., 802 Fair Oaks Ave., South Pasadena, Calif. SEE ADV. PG. 204.
 Servo-Tek Products Co., 4 Godwin Ave., Paterson, N. J.
TRANS-SONICS, INC., Bedford Airport, Bedford, Mass. SEE ADV. PG. 132.

CONTROLS—Turbidity

National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.

CONTROLS—Ultrasonic

Communication Accessories Co., Box 345, 110th St. & Hillcrest Rd., Hickman Hills, Missouri
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Televiso Products Inc., 7466 West Irving Park Road, Chicago 34, Ill.
 Vendo Co., 7400 E. 12th St., Kansas City 8, Mo.

CONTROLS—Vacuum

Brown Instrument Co., Wayne & Roberts Aves., Phila. 44, Pa.
 Cutler-Hammer, Inc., 315 N. 12th St., Milwaukee 1, Wis.
 Distillation Products, Inc., Vacuum Equipment Div., 755 Ridge Rd., W. Rochester, N. Y.
 Fredericks Co., Geo. E. Bethayres, Pa.
 National Research Corp., 70 Memorial Drive, Cambridge 42, Mass.
 Skaneateles Mfg. Co., Inc., 122 Dickerson St., Syracuse 2, N. Y.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Tenney Engineering Inc., 26 Avenue B., Newark 5, N. J.

Thompson & Associates, John E., 7210 S. Yates, Ave., Chicago 49, Ill.
 United Electric Controls Co., 85 School St., Watertown 72, Mass.
 Wallace & Tiernan Products, Inc., Belleville 9, N. J.

CONTROLS—Ventilating Control System

Barber Colman Co., Rockford, Ill.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Coral Designs, P. O. Box 248, Forest Hills, N. Y.
 Foxboro Co., The, Foxboro, Mass.
 General Controls Co., Glendale 1, Calif.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
 Parker Kalon Corp., 200 Varick St., New York 14, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
ROBINETTE CO., W. C., 802 Fair Oaks Ave., South Pasadena, Calif. SEE ADV. PG. 204.
 Rotron Division, 7-9 Schoonmaker Lane, Woodstock, N. Y.
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 White-Rodgers Electric Co., 1209 Cass Ave., St. Louis 6, Mo.
 Worner Electronic Devices, Rankin, Ill.

CONTROLS—Volume & Tone

Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wis.
CENTRALAB, DIV. of Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.
 Chicago Telephone Supply Corp., 1142 W. Beard-sley Ave., Elkhart, Ind.
 Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Daven Co., 191 Central Ave., Newark 4, N. J.
INTERNATIONAL RESISTANCE CO., 401 N. Broad St., Philadelphia 8, Pa. SEE ADV. PGS. 20, 21.
 Jensen Mfg. Co., 6601 S. Laramie Ave., Chicago 38, Ill.
 Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 National Union Radio Corp., 350 Scotland Rd., Orange, N. J.
OHMITE MFG. CO., 4835 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.
 Owens-Illinois Glass Co., Toledo 1, Ohio
 Rowe Industries, 1702 Wayne St., Toledo 9, Ohio
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Stackpole Carbon Co., St. Marvs, Pa.
 Wirt Co., 5221 Greene St., Philadelphia, Pa.
 Worner Electronic Devices, Rankin, Ill.

CONTROLS—Water Detector

Industrial Instruments Inc., 17 Pollack Ave., Jersey City 5, N. J.
 Lumenite Electric Co., 407 S. Dearborn St., Chicago, Ill.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 Network Mfg. Corp., Bayonne, N. J.
 Warrick Co., Chas. F., 16251 Hamilton Ave., Detroit 3, Mich.
 Worner Electronic Devices, Rankin, Ill.

CONTROLS—Weight

ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.
 Foxboro Co., The, Foxboro, Mass.
 Worner Electronic Devices, Rankin, Ill.

CONTROLS—Welding

Clark Controller Co., The, 1146 E. 152nd St., Cleveland 10, Ohio
 Cutler-Hammer, Inc., 315 N. 12th St., Milwaukee 1, Wis.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
 Electronic Products Co., St. Charles, Ill.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Hercules Electric & Mfg. Co., Inc., 2500 Atlantic Ave., Brooklyn, N. Y.
 Lyman Electronic Corp., 12 Cass St., Springfield, Mass.
OHMITE MFG. CO., 4835 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Robotron Corp., 5570 W. Chicago Blvd., Detroit 4, Mich.
 Sciaky Bros., 4915 W. 67th St., Chicago 38, Ill.
 Vangtronic Corp., 237 John St., Bridgeport 3, Conn.
 Weltronic Co., 19500 West 8 Mile Rd., Detroit 19, Mich.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CONVERTERS—f-m

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Aermotive Equipment Corp., 1632-8 Central St., Kansas City 10, Mo.
 Crystal Devices Co., Inc., 50 Mill Rd., Freeport, N. Y.
 DeWald Radio Mfg. Corp., 35-15 37th Ave., Long Island City, N. Y.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
 Ferris Instrument Co., 110 Cornelia St., Boonton, N. J.
 Gothard Mfg. Co., 2110 Clear Lake Ave., Springfield, Ill.
 Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.
 Magnavox Co., The, Components Div., Fort Wayne 4, Ind.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Simpson Mfg. Co., Inc., Mark. 32-28 49th St., Long Island City 3, N. Y.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.

CONVERTERS—Frequency Shift

Aermotive Equipment Corp., 1632-8 Central St., Kansas City 10, Mo.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Boehme Inc., H. O., 915 Broadway, New York, N. Y.
 Collins Radio Co., Cedar Rapids, Iowa
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
 Erco Radio Labs., Inc., East Stewart Ave., Garden City, N. Y.
 Gothard Mfg. Co., 2110 Clear Lake Ave., Springfield, Ill.
 McElroy Mfg. Corp., Littleton, Mass.
 Measurement Engineering Ltd., 61 Duke St., Toronto, Canada
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
NORTHERN RADIO CO., INC., 143-145 W. 22nd St., New York 11, N. Y. SEE ADV. PGS. 153-155.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.

CONVERTERS—High Frequency

Babcock Radio Engineering, Inc., 6164 Sepulveda Blvd., Van Nuys, Calif.
 Columbus Electronics Corp., 229 S. Waverly St., Yonkers, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Gorham Co., Bronze Div., Providence 7, R. I.
 Induction Heating Corp., 181 Wythe Ave., Brooklyn 11, N. Y.
 Leland Electric Co., The, 1501 Webster St., Dayton 1, Ohio
 Simpson Mfg. Co., Inc., Mark. 32-28 49th St., Long Island City 3, N. Y.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Waterproof Electric Co., 72 E. Verdugo Ave., Burbank, Calif.

CONVERTERS—Low Frequency

Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Eicor, Inc., 1501 W. Congress St., Chicago 7, Ill.
 Electric Specialty Co., 211 South St., Stamford, Conn.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
 Furst Electronics, 10A S. Jefferson St., Chicago 6, Ill.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Geophysical Instrument Co., 1820 N. Nash St., Arlington, Va.
 Gothard Mfg. Co., 2110 Clear Lake Ave., Springfield, Ill.
 Great Lakes Electric Mfg. Co., 17 S. Desplaines St., Chicago 6, Ill.
 Leland Electric Co., The, 1501 Webster St., Dayton 1, Ohio
 Measurement Engrg. Ltd., Arnprior, Ontario, Canada
RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Varo Mfg. Co., Inc., Box 638, Garland, Texas
 Waterproof Electric Co., 72 E. Verdugo Ave., Burbank, Calif.

CONVERTERS—Rotary

CARTER MOTOR CO., 2644 N. Maplewood Ave., Chicago 47, Ill. SEE ADV. PG. 218.
CONTINENTAL ELECTRIC CO., INC., 334 Ferry St., Newark 5, N. J. SEE ADV. PG. 224.
 Eicor Inc., 1501 W. Congress St., Chicago 7, Ill.
 Janette Mfg. Co., 556 W. Monroe St., Chicago 6, Ill.

CONVERTERS—Vibrator Type

AMERICAN TELEVISION & RADIO CO., 300 E. Fourth St., St. Paul 1, Minn. SEE ADV. PG. 192.
CORNELL-DUBILIER ELECTRIC CORP., Indianapolis, Ind. SEE ADV. PG. 87.
 Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
 Electronic Labs., Inc., 24 W. 24th St., Indianapolis 4, Ind.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
 Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Radiart Corp., The, 3571 W. 62nd St., Cleveland 2, Ohio
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.

COOKERS—Electronic

RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Sherman Industrial Electronics Co., Inc., 505 Washington Ave., Belleville 9, N. J.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.

CORD SETS

Accurate Insulated Wire Corp., 25 Fox St., New Haven, Conn.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Electric Cable Co., Holyoke, Mass.
 Art Specialty Co., 3245 W. Lake St., Chicago, Ill.
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
 Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
CORNISH WIRE CO., 15 Park Row, New York 7, N. Y. SEE ADV. PG. 24.
 Eagle Electric Mfg. Co., Inc., 23-10 Bridge Plaza S., Long Island City, N. Y.
 Eckstein Radio & Television Co., LeRoy, Minn.
 Essex Wire Corp., 1601 Wall St., Ft. Wayne 6, Ind.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City 1, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Construction Materials Dept., Bridgeport, Conn. SEE ADV. PGS. 5-18.
 General Insulated Wire Works, Inc., 69 Gordon Ave., Providence 5, R. I.
 Haft & Sons Inc., 79 Third St., Brooklyn 31, N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Interstate Mfg. Corp., 138 Sussex Ave., Newark 4, N. J.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Lowell Insulated Wire Co., Lowell, Mass.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
 Pacific Electriccord Company, 9304 Santa Monica Blvd., Beverly Hills, Calif.
 Phalo Plastics Corp., 25 Foster St., Worcester 8, Mass.
 Plastoid Corp., 10 Mill Rd., Hamburg, N. J.
 Selector Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
 Whitney Blake Co., New Haven, Conn.
 Wood Electric Co., Inc., C. D., 70-17 83rd St., Glendale, N. Y.

CORDS—Dial Cords & Cables

Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Electric Cable Co., Holyoke, Mass.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Cords Ltd., 780 Frelinghuysen Ave., Newark 5, N. J.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 New England Electrical Works Inc., Lisbon, N. H.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London W. C. 2, England

CORDS—Line

Accurate Insulated Wire Corp., 25 Fox St., New Haven, Conn.
 Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Electric Cable Co., Holyoke, Mass.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Cords Ltd., 780 Frelinghuysen Ave., Newark 5, N. J.
CORNISH WIRE CO., 15 Park Row, New York 7, N. Y. SEE ADV. PG. 24.
 Eagle Electric Mfg. Co., Inc., 23-10 Bridge Plaza S., Long Island City, N. Y.
 Essex Wire Corp., 1601 Wall St., Ft. Wayne 6, Ind.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 General Insulated Wire Works, Inc., 69 Gordon Ave., Providence 5, R. I.
 Haft & Sons, Inc., 79 Third St., Brooklyn 31, N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Interstate Mfg. Corp., 138 Sussex Ave., Newark 4, N. J.
 J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 LaMagna Mfg. Co., Inc., East Rutherford, N. J.
 Lowell Insulated Wire Co., Lowell, Mass.
 Pacific Electriccord Company, 9304 Santa Monica Blvd., Beverly Hills, Calif.
 Phalo Plastics Corp., 25 Foster St., Worcester 8, Mass.
 Plastoid Corp., 10 Mill Rd., Hamburg, N. J.
ROME CABLE CORP., 330 Ridge St., Rome, N. Y. SEE ADV. PG. 38.
 Rupp's Assembling & Mfg. Works, 2341 N. Seminary Ave., Chicago 14, Ill.
 Selector Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
 Western Insulated Wire Co., 1001 E. 62nd St., Los Angeles 1, Calif.
 Whitney Blake Co., New Haven, Conn.
 Wood Electric Co., Inc., C. D., 70-17 83rd St., Glendale, N. Y.

CORDS—Line Resistance

Alden Products Co., 117 Main St., Brockton 64, Mass.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Electric Cable Co., Holyoke, Mass.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Clarost Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Cords Ltd., 780 Frelinghuysen Ave., Newark 5, N. J.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
INSTRUMENT RESISTORS CO., 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.

CORDS—Patch

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Audio Equipment Sales, 153 W. 33rd St., New York 1, N. Y.
AUDIO DEVELOPMENT CO., 2833 S. 13th Avenue, Minneapolis 7, Minn. SEE ADV. PG. 94.
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
 Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.
 Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
 Collins Radio Co., Cedar Rapids, Iowa
 Cords Ltd., 780 Frelinghuysen Ave., Newark 5, N. J.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 National Electrical Machine Shops, Inc., 919 Jesup-Blair Dr., Silver Spring, Md.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

CORES—Ceramic

Crowley & Co., Inc., Henry L., 1 Central Ave., West Orange, N. J.
 Electrical Refractories Co., 50 Clark St., East Palestine, Ohio
 General Ceramics & Steatite Corp., Keasbey, N. J.
 Scintilla-Magneto Div., Bendix Aviation Corp., Sidney, N. Y.
 Star Porcelain Co., 61 Muirhead Ave., Trenton 9, N. J.

CORES—High Permeability Magnetic

Allegheny-Ludlum Steel Corp., Pittsburgh 22, Pa.
 Armco Steel Corp., 703 Curtis St., Middletown, Ohio
ARNOLD ENGINEERING CO., 147 E. Ontario St., Chicago 11, Ill. SEE ADV. PG. 140.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
I-T-E CIRCUIT BREAKER CO., 19th & Hamilton Sts., Philadelphia 30, Pa. SEE ADV. PGS. 48, 49.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

CORES—Iron

I-T-E CIRCUIT BREAKER CO., 19th & Hamilton Sts., Phila. 30, Pa. SEE ADV. PGS. 48, 49.
MAGNETIC CORE CORP., 142 South Highland Ave., Ossining, N. Y. SEE ADV. PG. 130.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
NATIONAL MOLDITE CO., Hillside 5, N. J. SEE ADV. PG. 146.
 North American Philips Co., 100 E. 42nd St., New York 17, N. Y.
 Powdered Metal Products Corp., Franklin Park, Ill.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

CORES—Powdered Iron

Aladdin Radio Industries, Inc., 501 W. 35th St., Chicago 16, Ill.
 Crowley & Co., Inc., Henry L., 1 Central Ave., West Orange, N. J.
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196.
MAGNETIC CORE CORP., 142-144 South Highland Ave., Ossining, N. Y. SEE ADV. PG. 130.

NATIONAL MOLDITE CO., Hillside 5, N. J. SEE ADV. PG. 146.
Pyroferic Co., 621 E. 216th Street, New York 67, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Ross Mfg. Co., 860 Washington St., Burlington, Iowa
Speer Resistor Corp., St. Marys, Pa.
Stackpole Carbon Co., St. Marys, Pa.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

CORES—Slug Tuning Units

Coil Winders Inc., 61 Bergen St., Brooklyn 2, N. Y.
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196.
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
NATIONAL MOLDITE CO., Hillside 5, N. J. SEE ADV. PG. 146.
Pyroferic Co., 621 E. 216th St., New York 67, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Ross Mfg. Co., 860 Washington St., Burlington, Iowa
Stackpole Carbon Co., St. Marys, Pa.

CORTICAL STIMULATORS

ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.
Lektra Labs., 30 E. 10th St., New York, N. Y.
Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
RAHM INSTRUMENTS, INC., 12 W. Broadway, New York 7, N. Y. SEE ADV. PG. 222.

COUNTERS, ELECTRON AND NUCLEAR

See Indicators, Geiger Counter or Controls, Nuclear Counter

COUPLERS—Directional

Gorham Co., Bronze Providence 7, R. I.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
Wind Turbine Co., Tower & Antenna Div., E. Market St. & Penna. R.R., West Chester, Pa.

COUPLINGS, SHAFT—Reducers and Extensions

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
BUD RADIO INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
Piezo Mfg. Corp., 110 E. 42nd St., New York 17, N. Y.
Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.

COUPLINGS, SHAFT—Rigid & Flexible

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
Cardwell Mfg. Co., Allen D., 97 Whiting St., Plainville, Conn.

Congress Tool & Die Div., Tann Corp., 3300 Denton Ave., Detroit 12, Mich.
Crocker-Wheeler Electric Mfg. Co., Div. of Joshua Hendy Corp., Ampere, N. J.
Elliott Mfg. Co., 218 Prospect Ave., Binghamton, N. Y.
General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
Hammarlund Mfg. Co., 460 W. 34th St., New York 1, N. Y.
HEWLETT PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
Johnson Co., E. F., Waseca, Minn.
Lear, Inc., 110 Ionia Ave., N.W., Grand Rapids 2, Mich.
LORD MFG. CO., 1635 W. 12th St., Erie, Pa. SEE ADV. PG. 103.
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
Piezo Mfg. Corp., 110 E. 42nd St., New York 17, N. Y.
Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
WHITE DENTAL MFG. CO., S. S. Industrial Div., 10 E. 40th St., New York, N. Y. SEE ADV. PG. 191.

CRYSTAL ANALYSIS EQUIPMENT

Bassett, Inc., Rex, 307-11 N. W. 1st Ave., Fort Lauderdale, Fla.
Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
Crystal Research Labs., Inc., 29 Allyn St., Hartford, Conn.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
Elematic Equipment Corp., 6046 S. Wentworth Ave., Chicago 21, Ill.
LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
Thermionic Engineering Corp., Pompton Plains, N. J.

CRYSTAL CARTRIDGES

Astatic Corp., The, Conneaut, Ohio
BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
Sandwich-Bowen Corp., 4712 Bethesda Ave., Bethesda, Md.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

CRYSTALS—Frequency Control

Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
BILILEY ELECTRIC CO., Union Station Bldg., Erie, Pa. SEE ADV. PG. 91.
Breon Labs., 1520 Evergreen Rd., Williamsport, Pa.
Burnett Radio Lab., Wm. W. L., 4814 Idaho St., San Diego, Calif.
CLARK CRYSTAL CO., 2 Farm Rd., Marlboro, Mass. SEE ADV. PG. 175.
Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
Crystal Research Labs., Inc., 29 Allyn St., Hartford, Conn.
Dallons Labs., 5066 Santa Monica Blvd., Los Angeles, Calif.
Eidson Electronic Co., 1802 N. Third St., Temple, Texas
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
HUNT CORP., THE, 455 Lincoln St., Carlisle, Pa. SEE ADV. PG. 56.

Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
Miller, August E., 9226 Hudson Blvd., North Bergen, N. J.
Monitor Products Co., 815 Fremont St., So. Pasadena, Calif.
Nebel Lab., R. E., 1104 Lincoln Place, Brooklyn 13, N. Y.
Petersen Radio Co., Inc., 2800 W. Broadway, Council Bluffs, Iowa
Precision Piezo Service, 427 Mayflower St., Baton Rouge, La.
Premier Crystal Labs. Inc., 79-89 Seventh Ave., New York 11, N. Y.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
Scientific Radio Products Co., 738 W. Broadway, Council Bluffs, Iowa
Scientific Radio Service, 4301 Sheridan St., University Park, Mo.
Standard Piezo Co., 127 Cedar St., Carlisle, Pa.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
Valpey Crystals, Highland St., Holliston, Mass.
Westline Electronics Co., 11660 Olympic Blvd., Los Angeles 25, Calif.

CRYSTALS—Frequency Multiplier

BLILEY ELECTRIC CO., Union Station Bldg., Erie, Pa. SEE ADV. PG. 91.
Breon Labs., 1520 Evergreen Rd., Williamsport, Pa.
Burnett Radio Lab., Wm. W. L., 4814 Idaho St., San Diego, Calif.
CLARK CRYSTAL CO., 2 Farm Rd., Marlboro, Mass. SEE ADV. PG. 175.
Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
Eidson Electronic Co., 1802 N. Third St., Temple, Texas
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
HUNT CORP., THE, 455 Lincoln St., Carlisle, Pa. SEE ADV. PG. 56.
Knights Co., James, 131 S. Wells St., Sandwich, Ill.
LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
Monitor Products Co., 815 Fremont St., So. Pasadena, Calif.
Premier Crystal Labs., Inc., 79-89 Seventh Ave., New York 11, N. Y.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
Scientific Radio Products Co., 738 W. Broadway, Council Bluffs, Iowa
Scientific Radio Service, 4301 Sheridan St., University Park, Md.
Standard Piezo Co., 127 Cedar St., Carlisle, Pa.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
Westline Electronics Co., 11660 Olympic Blvd., Los Angeles 25, Calif.

CRYSTALS—Frequency Standard

Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
BILILEY ELECTRIC CO., Union Station Bldg., Erie, Pa. SEE ADV. PG. 91.
Breon Labs., 1520 Evergreen Rd., Williamsport, Pa.
Burnett Radio Lab., Wm. W. L., 4814 Idaho St., San Diego, Calif.
CLARK CRYSTAL CO., 2 Farm Rd., Marlboro, Mass. SEE ADV. PG. 175.
Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
Dallons Labs., 5066 Santa Monica Blvd., Los Angeles, Calif.
Eidson Electronic Co., 1802 N. Third St., Temple, Texas
Finch Telecommunications, Inc., Passaic, N. J.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.

HUNT CORP., THE, 455 Lincoln St., Carlisle, Pa. SEE ADV. PG. 56.
 Knights Co., James, 131 S. Wells St., Sandwich, Ill.
LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Miller, August E., 9226 Hudson Blvd., North Bergen, N. J.
 Monitor Products Co., 815 Fremont St., So. Pasadena, Calif.
 Norman Labs., Ernst, Williams Bay, Wis.
 Petersen Radio Co., Inc., 2800 W. Broadway, Council Bluffs, Iowa
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Premier Crystal Labs. Inc., 79-89 Seventh Ave., New York, 11, N. Y.
 Precision Piezo Service, 427 Mayflower St., Baton Rouge, La.
 Radio Specialty Mfg. Co., 2023 S. E. Sixth Ave., Portland 14, Oregon
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
 Scientific Radio Products Co., 738 W. Broadway, Council Bluffs, Iowa
 Scientific Radio Service, 4301 Sheridan St., University Park, Md.
 Standard Piezo Co., 127 Cedar St., Carlisle, Pa.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Valpey Crystals, Highland St., Holliston, Mass.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Westline Electronics Co., 11660 Olympic Blvd., Los Angeles 25, Calif.

CRYSTALS—Germanium

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
RAYTHEON MFG. CO., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass. SEE ADV. PG. 55.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

CRYSTALS—i-f Filter

Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
BLILEY ELECTRIC CO., Union Station Bldg., Erie, Pa. SEE ADV. PG. 91.
CLARK CRYSTAL CO., 2 Farm Rd., Marlboro, Mass. SEE ADV. PG. 175.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Crystal Research Labs. Inc., 29 Allyn St., Hartford, Conn.
 Dallons Labs., 5066 Santa Monica Blvd., Los Angeles, Calif.
 Knights Co., James, 131 S. Wells St., Sandwich, Ill.
 Miller, August E., 9226 Hudson Blvd., North Bergen, N. J.
 Monitor Products Co., 815 Fremont St., So. Pasadena, Calif.
 Nebel Lab., R. E., 1104 Lincoln Place, Brooklyn 13, N. Y.
 Premier Crystal Labs. Inc., 79-89 Seventh Ave., New York 11, N. Y.
 Radio Specialty Mfg. Co., 2023 S. E. Sixth Ave., Portland 14, Ore.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
 Scientific Radio Products Co., 738 W. Broadway, Council Bluffs, Iowa
 Standard Piezo Co., 127 Cedar St., Carlisle, Pa.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Valpey Crystals, Highland St., Holliston, Mass.
 Westline Electronics Co., 11660 Olympic Blvd., Los Angeles 25, Calif.

CRYSTALS—Microwave

CLARK CRYSTAL CO., 2 Farm Rd., Marlboro, Mass. SEE ADV. PG. 175.
HUNT CORP., THE, 455 Lincoln St., Carlisle, Pa. SEE ADV. PG. 56.
 Premier Crystal Labs., Inc., 79-89 Seventh Ave., New York 11, N. Y.

SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

CRYSTALS—Piezoelectric

Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Bausch & Lomb Optical Co., 635 St. Paul St., Rochester 2, N. Y.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
BLILEY ELECTRIC CO., Union Station Bldg., Erie, Pa. SEE ADV. PG. 91.
 Breon Laboratories, 1520 Evergreen Rd., Williamsport, Pa.
BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Burnett Radio Lab., Wm., W. L., 4814 Idaho St., San Diego, Calif.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
CLARK CRYSTAL CO., 2 Farm Rd., Marlboro, Mass. SEE ADV. PG. 175.
 Crystal Research Labs., Inc., 29 Allyn St., Hartford, Conn.
 Edo Corp., College Point, Long Island, N. Y.
 Knights Co., James, 131 S. Wells St., Sandwich, Ill.
 Monitor Products Co., 815 Fremont Ave., So. Pasadena, Calif.
 Nebel Lab., R. E., 1104 Lincoln Pl., Brooklyn 13, N. Y.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
 Scientific Radio Service, 4301 Sheridan St., University Park, Md.
 Standard Piezo Co., 127 Cedar St., Carlisle, Pa.
 Valpey Crystals, Highland St., Holliston, Mass.
 Westline Electronics Co., 11660 Olympic Blvd., Los Angeles 25, Calif.

CRYSTALS—Quartz

Aeronautical Radio Mfg. Co., 155 First St., Mineola, N. Y.
 Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
BLILEY ELECTRIC CO., Union Station Bldg., Erie, Pa. SEE ADV. PG. 91.
 Breon Labs., 1520 Evergreen Rd., Williamsport, Pa.
 Burnett Radio Lab., Wm. W. L., 4814 Idaho St., San Diego, Calif.
CLARK CRYSTAL CO., 2 Farm Rd., Marlboro, Mass. SEE ADV. PG. 175.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Crystal Research Labs., Inc., 29 Allyn St., Hartford, Conn.
 Dallons Labs., 5066 Santa Monica Blvd., Los Angeles, Calif.
 Diamond Drill Carbon Co., 53-63 Park Row, New York 7, N. Y.
 Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
 Eidson Electronic Co., 1802 N. Third St., Temple, Texas
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hollister Crystal Co., Boulder, Colo.
HUNT CORP., THE, 455 Lincoln St., Carlisle, Pa. SEE ADV. PG. 56.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 Knights Co., James, 131 S. Wells St., Sandwich, Ill.
 Miller, August E., 9226 Hudson Blvd., North Bergen, N. J.
 Monitor Products Co., 815 Fremont St., South Pasadena, Calif.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 Nebel Lab., R. E., 1104 Lincoln Pl., Brooklyn 13, N. Y.
 Petersen Radio Co., Inc., 2800 W. Broadway, Council Bluffs, Iowa

Precision Piezo Service, 427 Mayflower St., Baton Rouge, La.
 Premier Crystal Labs. Inc., 79-89 Seventh Ave., New York 11, N. Y.
 Radio Specialty Mfg. Co., 2023 S. E. 6th Ave., Portland 14, Oregon
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
 Scientific Radio Products Co., 738 W. Broadway, Council Bluffs, Iowa
 Sentry Crystal Co., 206 S. W. Washington St., Portland 4, Ore.
STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
 Standard Crystal Co., 321 East Gregory, Kansas City 5, Mo.
 Standard Piezo Co., 127 Cedar St., Carlisle, Pa.
 Televiso Products Inc., 7466 W. Irving Pk. Rd., Chicago 34, Ill.
 Valpey Crystals, Highland St., Holliston, Mass.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Westline Electronics Co., 11660 Olympic Blvd., Los Angeles 25, Calif.
 Wilcox Electric Co., 1400 Chestnut St., Kansas City, Mo.

CRYSTALS—Receiver Control

Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
BLILEY ELECTRIC CO., Union Station Bldg., Erie, Pa. SEE ADV. PG. 91.
 Breon Laboratories, 1520 Evergreen Rd., Williamsport, Pa.
CLARK CRYSTAL CO., 2 Farm Rd., Marlboro, Mass. SEE ADV. PG. 175.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Crystal Research Labs., Inc., 29 Allyn St., Hartford, Conn.
 Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
 Eidson Electronic Co., 1802 N. Third St., Temple, Texas
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
HUNT CORP., THE, 455 Lincoln St., Carlisle, Pa. SEE ADV. PG. 56.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 Knights Co., James, 131 S. Wells St., Sandwich, Ill.
 Miller, August E., 9226 Hudson Blvd., North Bergen, N. J.
 Monitor Products Co., 815 Fremont Ave., So. Pasadena, Calif.
 Nebel Lab., R. E., 1104 Lincoln Pl., Brooklyn 13, N. Y.
 Petersen Radio Co., Inc., 2800 W. Broadway, Council Bluffs, Iowa
 Precision Piezo Service, 427 Mayflower St., Baton Rouge, La.
 Premier Crystal Labs. Inc., 79-89 Seventh Ave., New York 11, N. Y.
 Radio Specialty Mfg. Co., 2023 S. E. Sixth Ave., Portland 14, Ore.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
 Scientific Radio Products Co., 738 W. Broadway, Council Bluffs, Iowa
 Scientific Radio Service, 4301 Sheridan St., University Park, Md.
 Standard Piezo Co., 127 Cedar St., Carlisle, Pa.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Valpey Crystals, Highland St., Holliston, Mass.

CRYSTALS—Rochelle Salt

BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Tibbetts Industries, Inc., Camden, Maine

CRYSTALS—Silicon

Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.
 Dallons Labs., 5066 Santa Monica Blvd., Los Angeles, Calif.

RAYTHEON MFG. CO., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass. SEE ADV. PG. 55.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

CRYSTALS—Tourmaline

American Gem & Pearl Co., 6 W. 48th St., New York 19, N. Y.
 Miller, August E., 9226 Hudson Blvd., North Bergen, N. J.
 Premier Crystal Labs. Inc., 79-89 Seventh Ave., New York 11, N. Y.
 Valpey Crystals, Highland St., Holliston, Mass.
 Westline Electronics Co., 11660 Olympic Blvd., Los Angeles 25, Calif.

CRYSTALS—Ultrasonic

BLILEY ELECTRIC CO., Union Station Bldg., Erie, Pa. SEE ADV. PG. 91.
CLARK CRYSTAL CO., 2 Farm Rd., Marlboro, Mass. SEE ADV. PG. 175.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Crystal Research Labs., Inc., 29 Allyn St., Hartford, Conn.
 Edo Corp., College Point, Long Island, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
HUNT CORP., THE, 455 Lincoln St., Carlisle, Pa. SEE ADV. PG. 56.
 Knights Co., James, 131 S. Wells St., Sandwich, Ill.
 Miller, August E., 9226 Hudson Blvd., North Bergen, N. J.
 Monitor Products Co., 815 Fremont St., So. Pasadena, Calif.
 Precision Piezo Service, 427 Mayflower St., Baton Rouge, La.
 Premier Crystal Labs. Inc., 79-89 Seventh Ave., New York 11, N. Y.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
 Scientific Radio Products Co., 738 W. Broadway, Council Bluffs, Iowa
 Standard Piezo Co., 127 Cedar St., Carlisle, Pa.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Televiso Products Inc., 7466 W. Irving Pk. Rd., Chicago 34, Ill.
 Valpey Crystals, Highland St., Holliston, Mass.
 Westline Electronics Co., 11660 Olympic Blvd., Los Angeles 25, Calif.

DECADE BOXES—Capacitance

CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., S. Plainfield, N. J. SEE ADV. PG. 87.
 Electronic Engineers, 1039 B Pacific St., Santa Monica, Calif.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Harvey Wells Electronics, Inc., North St., Southbridge, Mass.
 Industrial Instruments, Inc., 17 Pollack Ave., Jersey City 5, N. J.
 Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Special Products Co., Silver Spring, Md.
 Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

DECADE BOXES—Inductance

BURNELL & CO., 45 Warburton Ave., Yonkers 2, N. Y. SEE ADV. PG. 45.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Electronic Engineers, 1039 B Pacific St., Santa Monica, Calif.

GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Harvey Wells Electronics, Inc., North St., Southbridge, Mass.
 Magnetic Products Corp., The, Norwalk, Conn.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156.
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.

DECADE BOXES—Resistance

American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon
 Bunnell & Co., J. H., 215 Fulton St., New York, N. Y.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Daven Co., 191 Central Ave., Newark 4, N. J.
 Electronic Engineers, 1039 B Pacific St., Santa Monica, Calif.
 Fidelity Amplifier Co., 1632 No. Halsted St., Chicago 14, Ill.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Harvey Wells Electronics Inc., North St., Southbridge, Mass.
 Industrial Instruments, Inc., 17 Pollack Ave., Jersey City 5, N. J.
 Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.
OHMITE MFG. CO., 4835 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.
 Precision Resistor Co., 334 Badger Ave., Newark 8, N. J.
 Rubicon Co., 3751 Ridge Ave., Philadelphia, Pa.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Special Products Co., Silver Spring, Md.
 Tech Laboratories, Inc., Bergen & Edsall Blvds., Palisades Park, N. J.
 Technology Instrument Corp., 1058 Main St., Waltham, Mass.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
 Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

DEFLECTION YOKES

Davis Electric Co., Cape Girardeau, Mo.
 DuMont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
I-T-E CIRCUIT BREAKER CO., 19th & Hamilton Sts., Philadelphia 30, Pa. SEE ADV. PGS. 48, 49.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Sickles Co., F. W., 165 Front St., Chicopee, Mass.
STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
 Telectron Co., The, 4019 Prospect Ave., Cleveland 3, Ohio
 Television Labs., Inc., 542 N. Parkside Ave., Chicago 44, Ill.
 Todd-Tran Corp., 156 Gramatan Ave., Mt. Vernon, N. Y.

DEHYDRATORS—Automatic

Communication Products Co., Inc., Broadway & Clark St., Keyport, N. J.
 Dielectric Products Co., Inc., 125 Virginia Ave., Jersey City 5, N. J.

DENSITOMETERS

Applied Research Labs., 4336 San Fernando Rd., Glendale 4, Calif.
 Baird Associates, Inc., 33 University Rd., Cambridge 38, Mass.
 Bausch & Lomb Optical Co., 635 St. Paul St., Rochester 2, N. Y.
 Eastman Kodak Co., Industrial Photographic Sales Div., 343 State St., Rochester 4, N. Y.
 Electronic Mechanical Products Co., 13-15-17 N. Virginia Ave., Atlantic City, N. J.
 Jarrell-Ash Co., 165 Newbury St., Boston 16, Mass.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 Photovolt Corp., 95 Madison Ave., New York 16, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

DERMOHMMETERS

Electro-Medical Lab. Inc., Holliston, Mass.
 Electro-Physical Labs., Inc., 290-8 Dyckman St., New York 34, N. Y.

DETECTORS—Alpha

Anton Electronic Laboratories, Inc., 1226-1238 Flushing Ave., Brooklyn 6, N. Y.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Berkeley Scientific Co., 6th & Nevin Richmond, Calif.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 Nuclear Development Lab., Box 7601, Kansas City, Mo.
 Omaha Scientific Supply Co., 3623 Lake St., Omaha 4, Neb.
 Television Equipment Corp., 238 William St., New York 7, N. Y.

DETECTORS—Beta

Anton Electronic Laboratories, Inc., 1226-1238 Flushing Ave., Brooklyn 6, N. Y.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Berkeley Scientific Co., 6th & Nevin, Richmond, Calif.
 Distillation Products, Inc., Vacuum Equipment Div., 755 Ridge Rd., W., Rochester, N. Y.
 Dormitzer Electric Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
 Geophysical Instrument Co., 1820 N. Nash St., Arlington, Va.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 Nuclear Development Lab., Box 7601, Kansas City, Mo.
 Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.
 Omaha Scientific Supply Co., 3623 Lake St., Omaha 4, Neb.
 Radioactive Products, Inc., 3201 E. Woodridge St., Detroit 7, Mich.
 Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Television Equipment Corp., 238 William St., New York 7, N. Y.

DETECTORS—Crystal

Anton Electronic Laboratories, Inc., 1226-1238 Flushing Ave., Brooklyn 6, N. Y.
 Carborundum Co., The, Global Div., Niagara Falls, N. Y.
 Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.
 GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 National Electronic Mfg. Co., 35-05 36th St., Long Island City 5, N. Y.
 Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.
 RAYTHEON MFG. CO., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass. SEE ADV. PG. 55.
 SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

DETECTORS—Crystal Germanium

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 RAYTHEON MFG. CO., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass. SEE ADV. PG. 55.
 SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

DETECTORS—Crystal Silicon

RAYTHEON MFG. CO., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass. SEE ADV. PG. 55.
 SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

DETECTORS—Explosive Gas

Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Heiland Research Corp., 130 E. 5th Ave., Denver 9, Colo.

DETECTORS—Fire

C-O-Two Fire Equipment Co., P. O. Box 390, U. S. Highway 1, Newark 1, N. J.
 Fenwal, Inc., 43A Pleasant St., Ashland, Mass.
 Fielden Electronics Inc., 1171 New York Ave., Huntington Station, N. Y.
 Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Uniform Tubes, Shurs Lane & Laruiston St., Roxborough, Phila. Pa.

DETECTORS—Flaw & Defect

Branson Instruments, Inc., 436 Fairfield Ave., Stamford, Conn.
 BRUSH DEVELOPMENT CO., THE, 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Development Engineering Co., Inc., The, 1818 Ashland St., Houston 8, Texas
 Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.
 Thermionic Engineering Corp., Pompton Plains, N. J.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
 Vacuum Electronic Engineering Co., 316 37th St., Brooklyn 2, N. Y.

DETECTORS—Galena

Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.
 National Electronic Mfg. Co., 35-05 36th St., Long Island City 5, N. Y.

DETECTORS—Gamma Radiation

Anton Electronic Laboratories, Inc., 1226-1238 Flushing Ave., Brooklyn 6, N. Y.
 ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 BALLANTINE LABORATORIES, INC., Boonton, N. J. SEE ADV. PG. 134.
 Berkeley Scientific Co., 6th & Nevin, Richmond, Calif.
 Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
 Geophysical Instrument Co., 1820 N. Nash St., Arlington, Va.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 North American Philips Co., 100 E. 42nd St., New York 17, N. Y.
 Nuclear Development Lab., Box 7601, Kansas City, Mo.
 Omaha Scientific Supply Co., 3623 Lake St., Omaha 4, Neb.
 Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill.
 Radioactive Products, Inc., 3201 E. Woodridge St., Detroit 7, Mich.
 RAYTHEON MFG. CO., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass. SEE ADV. PG. 55.
 Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.
 SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Television Equipment Corp., 238 William St., New York 7, N. Y.

DETECTORS—Impedance

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

DETECTORS—Null

GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Harvey Radio Labs., 447 Concord Ave., Cambridge, Mass.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Network Mfg. Corp., Bayonne, N. J.
 Rubicon Co., 3751 Ridge Ave., Philadelphia, Pa.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
 Weston Laboratories, Inc., Weston 93, Mass.

DETECTORS—r-f Null

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

DETECTORS—Reactance

Aeme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.

DETECTORS—Vibration

Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 BRUSH DEVELOPMENT CO., THE, 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Calidyne Co., The, 751 Main St., Winchester, Mass.
 Consolidated Engineering Corp., 620 N. Lake Ave., Pasadena 4, Calif.
 Electro Products Labs, Inc., 549 W. Randolph St., Chicago 6, Ill.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
 GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.

Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
 Heiland Research Corp., 130 E. 5th Ave., Denver 9, Colo.
 M B MFG. CO., 1060 State St., New Haven 11, Conn. SEE ADV. PG. 221.
 Scott Inc., Herman Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
 SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Televiso Products Inc., 7466 West Irving Park Rd., Chicago 34, Ill.

DETECTORS—Water Leak

Allen-Howe Electronics Corp., Peabody, Mass.
 Fisher Research Lab., 1961 University Ave., Palo Alto, Calif.
 Lumenite Electric Co., 4075 Dearborn St., Chicago, Ill.
 Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.

DIAL CRYSTALS

Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 Chicago Die Mold Mfg. Co., 4001 Wrightwood Ave., Chicago 39, Ill.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 Etched Products Corp., 39-01 Queens Blvd., Long Island City, N. Y.
 Felsenthal & Sons, Inc., G., 4100 W. Grand Ave., Chicago 51, Ill.
 Flock Process Co., Velvetone Div., 3 Quincy St., Norwalk, Conn.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Inland Plastic of America, Inc., 20 W. 30th St., New York, N. Y.
 Kilburn Glass Co., Inc., J. R., 22 S. Worcester St., Chertley, Mass.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Parisian Novelty Co., 3510 South Western Ave., Chicago 9, Ill.
 Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
 Printloid Inc., 95 Mercer St., New York, N. Y.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Sillocks-Miller Co., 10 Parker Ave. W. So. Orange, N. J.
 Steel Co., Herman D., Lafayette Bldg., Phila. 6, Pa.

DIALS—Instrument

Anderson & Sons, Inc., Westfield, Mass.
 Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 BUD RADIO, INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
 Consolidated Molded Products Corp., Scranton 2, Pa.
 Croname, Inc., 3701 Ravenswood Ave., Chicago, Ill.
 Electric Auto-Lite Co., Toledo 1, Ohio
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 Etched Products Corp., 39-01 Queens Blvd., L. I. City, N. Y.
 Felsenthal & Sons, Inc., G., 4100 W. Grand Ave., Chicago 51, Ill.
 Gadgets, Inc., 3629 N. Dixie Dr., Dayton 5, Ohio
 GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Grammes & Sons, Inc., L. F., 389 Union St., Allentown 2, Pa.
 HELIPOT CO., 1011 Mission St., So. Pasadena, Calif. SEE ADV. PG. 25.
 Hopp Press Inc., 460 W. 34th St., New York, N. Y.
 Industrial Devices, Inc., 22 State Rd., Edgewater, N. J.
 Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
Lamicoid Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.
Mica Insulator Co., Schenectady 1, N. Y.
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
Parisian Novelty Co., 3510 S. Western Ave., Chicago 9, Ill.
Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
Plastic Fabricators Co., 440 Sansome St., San Francisco 11, Calif.
Premier Metal Etching Co., 21-03 44th Ave., Long Island City, N. Y.
Printloid, Inc., 95 Mercer St., New York, N. Y.
Radiocrafters, 1156 Commonwealth Ave., Boston 34, Mass.
Sillocks-Miller Co., 10 Parker Ave. W., So. Orange, N. J.
Sun Dial Corp., E. Passaic Ave., Caldwell Township, N. J.
Tablet & Ticket Co., 1021 W. Adams St., Chicago 7, Ill.
Thomas Products, Inc., 9 Bentley St., Salem, Mass.
U. S. Radium Corp., 535 Pearl St., New York 7, N. Y.
Vallorbs Jewel Co., Lancaster, Pa.
Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Philadelphia 31, Pa.

DIALS—Precision

Acromark Co., 9-13 Morrell St., Elizabeth 4, N. J.
Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
Boehme, Inc., H. O., 915 Broadway, New York, N. Y.
Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
Croname, Inc., 3701 Ravenswood Ave., Chicago, Ill.
Electrical Insulation Co., Inc., 12 Vestry St., New York 13, N. Y.
Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
Etched Products Corp., 39-01 Queens Blvd., L. I. City, N. Y.
Felsenthal & Sons, Inc., G., 4100 W. Grand Ave., Chicago 51, Ill.
Gaertner Scientific Corp., 1201 Wrightwood Ave., Chicago 14, Ill.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
HELIPOT CORP., 1011 Mission St., So. Pasadena, Calif. SEE ADV. PG. 25.
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
Printloid, Inc., 95 Mercer St., New York, N. Y.
Sun Dial Corp., E. Passaic Ave., Caldwell Township, N. J.
Tablet & Ticket Co., 1021 W. Adams St., Chicago 7, Ill.

DIAPHRAGMS

Auburn Mfg. Co., Middletown, Conn.
Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
Cooper Co., Clark, 374 N. Market St., Palmyra, N. J.
Hawley Products Co., St. Charles, Ill.
Mica Insulator Co., Schenectady 1, N. Y.
National Molding Co., 2141 W. Washington Blvd., Los Angeles 7, Calif.
Phosphor Bronze Corp., 2200 Washington Ave., Philadelphia 46, Pa.
Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

DIATHERMY

American Diathermy Products, 11240 W. Olympic Blvd., Los Angeles 25, Calif.
American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
Birtcher Corp., 5087 Huntington Dr., Los Angeles 32, Calif.
Bogen Co., David, 663 Broadway, New York 12, N. Y.
Branston Electric Mfg. Co., 61-65 Gill Pl., Buffalo 13, N. Y.
Dallons Labs., 5066 Santa Monica Blvd., Los Angeles, Calif.
Electronic Engineers, 1039 B Pacific St., Santa Monica, Calif.
Electronic Supply Co., 207 Main St., Worcester, Mass.
General Electric X-Ray Corp., 4855 W. McGeoch Ave., Milwaukee, Wis.
Liebel-Flarsheim Co., 303 W. Third St., Cincinnati 2, Ohio
Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
Mooradian High Frequency Labs., 13 E. Fort Lee Rd., Bogota, N. J.
Peerless X-Ray Labs. & Mfg. Corp., 467 10th Ave., New York 18, N. Y.
RAYTHEON MFG. CO., Power Tube Div., Waltham 54, Mass. SEE ADV. PG. 55.
Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
Wappler, Inc., 27 W. 24th St., New York 10, N. Y.

DIATHERMY ACCESSORIES

Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
Birtcher Corp., 5087 Huntington Dr., Los Angeles 32, Calif.
Bogen Co., David, 663 Broadway, New York 12, N. Y.
Branston Electric Mfg. Co., 61-65 Gill Pl., Buffalo 13, N. Y.
Dallons Labs., 5066 Santa Monica Blvd., Los Angeles, Calif.
Lektra Labs., 30 E. 10th St., New York, N. Y.
Liebel-Flarsheim Co., 303 W. Third St., Cincinnati 2, Ohio
Peerless X-Ray Labs. & Mfg. Corp., 467 10th Ave., New York 18, N. Y.
Wappler, Inc., 27 W. 24th St., New York 10, N. Y.

DIELECTRIC HEATING

See Heating, Dielectric

DIELECTRIC—Liquids & Solids

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.
Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
Dow Chemical Co., Midland, Mich.
Dow Corning Corp., Midland, Mich.
Durez Plastics & Chemicals, Inc., 1921 Walck Rd., North Tonawanda, N. Y.
General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
General Ceramics & Steatite Corp., Keasbey, N. J.
General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Halowax Prods. Div., Union Carbide & Carbon Corp., 30 E. 42nd St., New York, N. Y.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
Mica Insulator Co., Schenectady 1, N. Y.
Sun Oil Co., 1608 Walnut St., Philadelphia 3, Pa.
Syncor Products Co., Malden, Mass.
United Insulator Co., Ltd., Tolworth-Surbiton-Surrey, England

DIES

Ace Mfg. Corp., 1255 E. Erie Ave., Philadelphia 24, Pa.
Acromark Co., 9-13 Morrell St., Elizabeth 4, N. J.
ART-LLOYD METAL PRODUCTS CORP., 2973 Cropsy Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.
Atlas Metal Stamping Co., Castor & Kensington Avenues, Philadelphia 24, Pa.
Congress Tool & Die Div., Tann Corp., 3300 Denton Ave., Detroit 12, Mich.
Crescent Industries, Inc., 4140 Belmont Ave., Chicago 41, Ill.
Doehler-Jarvis Corp., 386 Fourth Ave., New York 16, N. Y.
Felsenthal & Sons, Inc., G., 4100 W. Grand Ave., Chicago 51, Ill.
Felt Prods. Mfg. Co., 1504 W. Carroll Ave., Chicago 7, Ill.
Flock Process Co., Velvetone Div., 3 Quincy St., Norwalk, Conn.
Gadgets, Inc., 3629 N. Dixie Dr., Dayton 5, Ohio
Greene Mfg. Corp., G. G., Warren, Pa.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
Hovis Screwlock Co., 8100 E. Nine Mile Rd., Van Dyke, Mich.
Instrument Development & Mfg. Corp., 3018 E. Foothill Blvd., Pasadena 8, Calif.
La Magna Mfg. Co., Inc., East Rutherford, N. J.
Lansky Die Cutting Co., 192½ Greene St., New York 12, N. Y.
Magnetic Metals Co., Hayes Ave. at 21st St., Camden, N. J.
Maritime Quality Hardware Co., Inc., Belfast, Me.
Micacraft Products, Inc., 701 McCarter Highway, Newark 5, N. J.
Minute Man Products, Inc., 309 E. 22nd St., New York 10, N. Y.
Multi-Products Tool Co., 123 Sussex Ave., Newark 4, N. J.
National Lead Co., 111 Broadway, New York 6, N. Y.
North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
O'Neil Irwin Mfg. Co., 316 8th Ave., Lake City, Minn.
Paul & Beekman, Inc., 1801 Cortland St., Philadelphia 48, Pa.
Radiocrafters, 1156 Commonwealth Ave., Boston 34, Mass.
Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
Sperman Metal Specialties, 27 Columbia Place, Brooklyn 2, N. Y.
STAVER CO., INC., 91 Pearl St., Brooklyn 1, N. Y. SEE ADV. PG. 188.
SWITCHCRAFT, INC., 1328-30 N. Halsted St., Chicago 22, Ill. SEE ADV. PG. 231.
Taylor Mfg. Co., 3056 W. Meinecke Ave., Milwaukee 10, Wis.
Thomas Products, Inc., 9 Bentley St., Salem, Mass.
Toman & Co., E., 2621 W. 21st Place, Chicago 8, Ill.
Viewlex, Inc., 35-01 Queens Blvd., Long Island City 1, N. Y.
WALTER CO., S., 1400 Atlantic Ave., Brooklyn 16, N. Y. SEE ADV. PG. 173.
Whistler & Sons, Inc., S. B., 752 Military Rd., Buffalo 17, N. Y.
Wiedemann Machine Co., 4272 Wissahickon Ave., Philadelphia 32, Pa.

DILATOMETERS—Automatic Recording

Bristol Co., The, Waterbury 91, Conn.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

DIRECTION FINDERS

Airlectron, P. O. Box 151, Caldwell, N. J.
American Electronering Co., 2112 S. LaBrea Ave., Los Angeles, Calif.
Babcock Radio Engineering, Inc., 6164 Sepulveda Blvd., Van Nuys, Calif.
Federal Telecommunication Labs., 500 Washington Ave., Nutley, N. J.

FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
Jarvis Electronics Corp., 6058 Fullerton Ave., Chicago 39, Ill.

Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.

Lear, Inc., 110 Ionia Ave., N. W., Grand Rapids 2, Mich.

Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.

O'Connor & Co., John T., West Orange, N. J.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.

Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.

Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
Submarine Signal Div., Raytheon Mfg. Co., Waltham, Mass.

DISCS—Blank Recording

Advance Recording Products Co., 36-12 34th St., L. I. City, N. Y.

Aim Industries, 41 Union Square, New York 3, N. Y.

Allied Recording Products Co., 21-09 43rd Ave., Long Island City 1, N. Y.

Audar Inc., Argos, Indiana

AUDIO DEVICES, INC., 444 Madison Ave., New York 22, N. Y. SEE ADV. PG. 70.

Caltron Co., 1406 So. Hobart Blvd., Los Angeles 6, Calif.

Duotone Co., 799 Broadway, New York, N. Y.

Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.

Gould Moody Co., 396 Broadway, New York, N. Y.

Gray Mfg. Co., 16 Arbor St., Hartford, Conn.

Home Recording Products Corp., Freeport, L. I., N. Y.

Mirror Record Corp., 1133 Broadway, New York 10, N. Y.

National Gasket & Mfg. Co., 122 E. 25th St., New York 10, N. Y.

PRESTO RECORDING CORP., Paramus, N. J. SEE ADV. PGS. 40, 41.

Recordisc Corp., 395 Broadway, New York, N. Y.

Recotone Corp., 251 Fourth Ave., New York 10, N. Y.

REEVES SOUNDCRAFT CORP., 10 E. 52nd St., New York 22, N. Y. SEE ADV. PG. 199.

Rek-O-Kut Co., Inc., 38-01 Queens Blvd., Long Island City, N. Y.

Sonic Recording Products, Inc., 50 Mill Road, Freeport, N. Y.

Wagner Recorder Mfg. Corp., 292 Madison Ave., New York 17, N. Y.

Wilcox-Gay Corp., Charlotte, Mich.

Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Phila. 31, Pa.

Zephyr Products Co., 160 E. 116th St., New York 29, N. Y.

DRAFTING EQUIPMENT

American Photocopy Equipment Co., 2849 N. Clark St., Chicago, Ill.

Bruning Co., Inc., Charles, 4754 Montrose Ave., Chicago 41, Ill.

Clearprint Paper Co., 677 Folsom St., San Francisco, Calif.

Dietzgen Co., Eugene, 2425 Sheffield Ave., Chicago, Ill.

Dixon Crucible Co., Joseph, Jersey City, N. J.

Eagle Pencil Co., 703 East 13th St., New York, N. Y.

Eberhard Faber Pencil Co., 37 Greenpoint Ave., Brooklyn 22, N. Y.

Holliston Mills, Inc., The, Norwood, Mass.

Koh-I-Noor Pencil Co., Bloomsburg, N. J.

Jiffy Sales Co., 1820 East 37th St., Cleveland 14, Ohio

Keuffel & Esser Co., Hoboken, N. J.

NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.

Ozalid Div. of General Aniline & Film Corp., 770 Anso Rd., Johnson City, N. Y.

Paragon-Revolute Corp., 71 South Ave., Rochester 4, N. Y.

Pease Company, C. F., 2601 W. Irving Park Rd., Chicago 18, Ill.

Peck & Harvey, 5736-38 N. Western Ave., Chicago 45, Ill.

Post & Co., Frederick, Chicago, Ill.

Rapid Design, Inc., P. O. Box 592, Glendale, Calif.

Universal Drafting Machine Co., 3110 Payne Ave., Cleveland 14, Ohio

Weber Co., F., 1220 Buttonwood St., Phila. 23, Pa.

Weil & Co., J. H., 1315 Cherry St., Phila. 7, Pa.

DRIVERS—Recording

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio

Alden Products Co., 117 No. Main St., Brockton 64, Mass.

Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.

Clarke Instrument Corp., 910 King St., Silver Spring, Md.

DRIVES—Small Electric Drive Mechanisms

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio

Alden Products Co., 117 No. Main St., Brockton 64, Mass.

Boehme Inc., 915 Broadway, New York, N. Y.

CRAMER CO., INC., R. W., Centerbrook, Conn. SEE ADV. PG. 99.

Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.

Flight Research Engineering Corp., P. O. Box 1-F, Richmond 1, Va.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.

HAYDON MFG. INC., 584 E. Elm St., Torrington, Conn. SEE ADV. PGS. 68, 69.

KOLLSMAN INSTRUMENT DIV. OF SQUARE D CO., 80-08 45th Ave., Elmhurst, N. Y. SEE ADV. PG. 36.

Lear, Inc., 110 Ionia Ave., N. W., Grand Rapids 2, Mich.

Magnetic Products Corp., The, Norwalk, Conn.

ROBINETTE CO., W. C., 802 Fair Oaks Ave., South Pasadena, Calif. SEE ADV. PG. 204.

Rowe Industries, 1702 Wayne St., Toledo 9, Ohio

DRYERS, ELECTRONIC—Dehydration and Drying

Barrett Co., Leon J., P. O. Box 378, Worcester 1, Mass.

Stokes Machine Co., F. J., 5850 Tabor Rd., Olney P. O., Phila. 20, Pa.

DYNAMOMETERS

BENDIX AVIATION CORP., Red Bank Div., Red Bank, N. J. SEE ADV. PGS. 22, 23.

Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.

CONTINENTAL ELECTRIC CO., INC., 334 Ferry St., Newark 5, N. J. SEE ADV. PG. 224.

Dillon & Co., Inc., W. C., 5410 W. Harrison St., Chicago 44, Ill.

Electric Products Co., 1725 Clarkstone Rd., Cleveland 12, Ohio

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

Gothard Mfg. Co., 2110 Clear Lake Ave., Springfield, Ill.

Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.

L. A. B. Corp., 31 Union Pl., Summit, N. J.

Lear, Inc., 110 Ionia Ave., N.W., Grand Rapids 2, Mich.

Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.

Ruge-DE Forest, Inc., 76 Massachusetts Ave., Cambridge 39, Mass.

Statham Laboratories, Inc., 9328 Santa Monica Blvd., Beverly Hills, Calif.

Taylor Mfg. Co., 3056 W. Meinecke Ave., Milwaukee 10, Wisc.

Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

ELECTRO MAGNETS

See Generators, Motor

ELECTROCARDIOGRAPHS

Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.

Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada

Edin Electronics Co., 207 Main Street, Worcester, Mass.

Electro Physical Laboratories, Inc., 290-8 Dyckman St., New York 34, N. Y.

Electrofax Corp., 30 Burtis Ave., New Canaan, Conn.

Electronic Supply Co., 207 Main St., Worcester, Mass.

General Electric X-Ray Corp., 4855 W. McGeogh Ave., Milwaukee, Wis.

Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.

Lektra Labs., 30 E. 10th St., New York, N. Y.

Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.

RAHM INSTRUMENTS, INC., 12 W. Broadway, New York 7, N. Y. SEE ADV. PG. 222.

SANBORN CO., 39 Osborn St., Cambridge 39, Mass. SEE ADV. PG. 30.

ELECTRODES—High Frequency

Etched Products Corp., 39-01 Queens Blvd., Long Island City, N. Y.

La Rose & Associates, W. T., 646 Second Ave., Troy, N. Y.

Short Wave Plastic Forming Co., 2921 W. Alameda St., Burbank, Calif.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

Woodwelding, Inc., 3000 W. Olive Ave., Burbank, Calif.

ELECTRODYNAMOMETERS

Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.

Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio

Rawson Electrical Instrument Co., 110 Potter St., Cambridge 42, Mass.

Roller-Smith, Bethlehem, Pa.

Triplett Electrical Instrument Co., 286 Harmon Road, Bluffton, Ohio

ELECTROENCEPHALOGRAPHS

Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.

Edin Electronics Co., 207 Main St., Worcester, Mass.

Electrofax Corp., 30 Burtis Ave., New Canaan, Conn.

Electro-Medical Lab., Inc., Holliston, Mass.

Electro-Physical Laboratories, Inc., 290-8 Dyckman St., New York 34, N. Y.

Electronic Supply Co., 207 Main St., Worcester, Mass.

Offner Electronics Inc., 5320 N. Kedzie Ave., Chicago 25, Ill.

Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.

RAHM INSTRUMENTS, INC., 12 W. Broadway, New York 7, N. Y. SEE ADV. PG. 222.

West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.

ELECTROMYOGRAPHS

Electro-Medical Lab., Inc., Holliston, Mass.

LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.

Offner Electronics Inc., 5320 N. Kedzie Ave., Chicago 25, Ill.

Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.

RAHM INSTRUMENTS, INC., 12 W. Broadway, New York 7, N. Y. SEE ADV. PG. 222.

ELECTROPLETHYSMOGRAPHS

Electro-Physical Laboratories, Inc., 290-8 Dyckman St., New York 34, N. Y.
 Inductograph Laboratory, Box 76, Brookfield, Conn.
 RAHM INSTRUMENTS, INC., 12 W. Broadway, New York 7, N. Y. SEE ADV. PG. 222.

ELECTRO-SHOCK THERAPY APPARATUS

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.
 Edin Electronics Co., 207 Main St., Worcester, Mass.
 Electro-Physical Labs., Inc., 290-8 Dyckman St., New York 34, N. Y.
 Electronic Supply Co., 207 Main St., Worcester, Mass.
 Lektra Labs., 30 E. 10th St., New York, N. Y.
 O'Connor & Co., John T., West Orange, N. J.
 Offner Electronics Inc., 5320 N. Kedzie Ave., Chicago 25, Ill.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 RAHM INSTRUMENTS, INC., 12 W. Broadway, New York 7, N. Y. SEE ADV. PG. 222.
 Wappler, Inc., 27 W. 24th St., New York 10, N. Y.

ELECTRO-SURGICAL APPARATUS

Birther Corp., 5087 Huntington Dr., Los Angeles 32, Calif.
 Bogen Co., David, 663 Broadway, New York 12, N. Y.
 Branstor Electric Mfg. Co., 61-65 Gill Pl., Buffalo 13, N. Y.
 Dallons Labs., 5066 Santa Monica Blvd., Los Angeles, Calif.
 Edin Electronics Co., 207 Main St., Worcester, Mass.
 ELECTRODYNE COMPANY, 899- Boylston St., Boston 15, Mass. SEE ADV. PG. 188.
 Electronic Supply Co., 207 Main St., Worcester, Mass.
 Lektra Labs., 30 E. 10th St., New York, N. Y.
 Liebel-Flarsheim Co., 303 W. Third St., Cincinnati 2, Ohio
 Mooradian High Frequency Labs., 13 E. Fort Lee Rd., Bogota, N. J.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 Wappler, Inc., 27 W. 24th St., New York, N. Y.
 Webster Engineering Co., 105 Tenth St., N. E., Cedar Rapids, Iowa

ELEMENTS, HEATING—Crystal Oven

Eagle Electric Mfg. Co., Inc., 23-10 Bridge Plaza S., Long Island City, N. Y.
 Monitor Products Co., 815 Fremont St., So. Pasadena, Calif.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Westline Electronics Co., 11660 Olympic Blvd., Los Angeles 25, Calif.

ESCUTCHEONS

ALLMETAL SCREW PRODUCTS CO., INC., 33 Greene St., New York 13, N. Y. SEE ADV. PG. 32.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
 American Emblem Co., P. O. Box 116 R, Utica, N. Y.
 AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 Catalin Corp. of America, 1 Park Ave., New York 16, N. Y.
 Chicago Die Mold Mfg. Co., 4001 Wrightwood Ave., Chicago 39, Ill.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Control Corp., 718 Central Ave., Minneapolis 14, Minn.
 Electrical Insulation Co., Inc., 12 Vestry St., New York 13, N. Y.

ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109.
 Flock Process Co., Velvetone Div., 3 Quincy St., Norwalk, Conn.
 Gemloid Corp., 79-10 Albion Ave., Elmhurst, N. Y.
 Grammes & Sons, Inc., L. F., 389 Union St., Allentown 2, Pa.
 Hopp Press Inc., 460 W. 34th St., New York, N. Y.
 Instrument Development & Mfg. Corp., 3018 E. Foothill Blvd., Pasadena 8, Calif.
 INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Kling Metal Spinning Co., 174 Centre St., New York 13, N. Y.
 Midwest Molding & Mfg. Co., 319 N. Whipple St., Chicago 12, Ill.
 Parisian Novelty Co., 3510 South Western Ave., Chicago 9, Ill.
 Prestole Corp., 3119 Bellevue Rd., Toledo 6, Ohio
 Stokes Molded Products, Inc., Taylor St., at Webster, Trenton, N. J.
 Syracuse Ornamental Co., 581 So. Clinton St., Syracuse, N. Y.
 Tablet & Ticket Co., 1021 W. Adams St., Chicago 7, Ill.
 Waterbury Companies, Inc., Waterbury 90, Conn.
 Willson Plastics, Div. Willson Magazine Camera Co., 6022 Media St., Philadelphia 31, Pa.

EYELETS

American Brass Co., Waterbury 88, Conn.
 Astrup Co., 2933 W. 25th St., Cleveland 13, Ohio
 Atlas Tack Corp., Pleasant St., Fairhaven, Mass.
 Carby Mfg. Co., Inc., 62 Cottage Place, Waterbury 5, Conn.
 Chase Brass & Copper Co., Inc., 1939 Plant St., Waterbury, Conn.
 Eyelet Specialty Co., 48 State St., Waterbury, Conn.
 Goat Co., Inc., Fred, 314 Dean St., Brooklyn, N. Y.
 Platt & Bros., Co., Waterbury, Conn.
 Waterbury Brass Goods Corp., Waterbury, Conn.
 Wilcox Crittenden & Co., Inc., 77 S. Main St., Middletown, Conn.

FABRIC

See Insulation Materials

FACSIMILE

See Recorders, Facsimile

FACSIMILE RECORDING PAPERS

See Papers, Facsimile Recording

FANS—Tube Cooling

Dynamic Air Engineering Inc., 1619 S. Alameda St., Los Angeles, Calif.
 Eastern Air Devices, Inc., 585 Dean St., Brooklyn 17, N. Y.
 Fasco Industries, Inc., Rochester 2, N. Y.
 Ilg Electric Ventilating Co., 2850 N. Crawford Ave., Chicago 41, Ill.
 Johnson Fan & Blower Corp., 1319 W. Lake St., Chicago 7, Ill.
 Magnetic Products Corp., The, Norwalk, Conn.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Robbins & Myers, Inc., 1345 Lagonda Ave., Springfield 99, Ohio
 Rotron Division, 7-9 Schoonmaker Lane, Woodstock, N. Y.
 Torit Mfg. Co., Walnut & Exchange Sts., St. Paul 2, Minn.

FASTENERS & FASTENING DEVICES

Aircraft Radio Corp., Boonton, N. J.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 ALLEN MFG. CO., Hartford, Conn. SEE ADV. PG. 209.
 ALLMETAL SCREW PRODUCTS CO., INC., 33 Greene St., New York 13, N. Y. SEE ADV. PG. 32.

American Screw Co., Providence, R. I.
 Bristol Co., The, Waterbury 91, Conn.
 Camloc Fastener Corp., 420 Lexington Ave., New York 17, N. Y.
 Central Screw Co., 3501 Shields Ave., Chicago 9, Ill.
 Cherry Rivet Co., 231 Winston St., Los Angeles 13, Calif.
 CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
 Corbin Screw Div., American Hardware Corp., High, Myrtle & Grove Sts., New Britain, Conn.
 Cuyahoga Spring Co., 10272 Berea Rd., Cleveland, Ohio
 Dimco-Gray Co., 207 E. Sixth St., Dayton, Ohio
 Dzus Fastener Co., Inc., Box 785, Babylon, N. Y.
 Federal Screw Products, Inc., 224 W. Huron St., Chicago 10, Ill.
 Garrett Co., Inc., George K., 1421 Chestnut St., Philadelphia 2, Pa.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Grammes & Sons Inc., L. F., 389 Union St., Allentown 2, Pa.
 Greene Mfg. Corp., G. G., Warren, Pa.
 Harper Co., The, H. M., 2620 Fletcher St., Chicago 18, Ill.
 Hassall, Inc., John, Clay & Oakland Sts., Brooklyn, N. Y.
 Heli-Coil Corp., 47-23 35th St., Long Island City 1, N. Y.
 INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 180.
 Maritime Quality Hardware Co., Inc., Belfast, Me.
 National Screw & Mfg. Co., Cleveland 4, Ohio
 PALNUT CO., INC., 77 Cordier St., Irvington 11, N. J. SEE ADV. PG. 126.
 Parker-Kalon Corp., 200 Varick St., New York 14, N. Y.
 Penn Engineering & Mfg. Corp., Box 311, Doylestown, Pa.
 Pheoll Mfg. Co., 5700 Roosevelt Rd., Chicago 50, Ill.
 Prestole Corp., 3119 Bellevue Rd., Toledo 6, Ohio
 PRODUCTION ENGINEERING CO., 173 Sargeant Ave., Clifton, N. J. SEE ADV. PG. 212.
 Russell, Burdsall & Ward Bolt and Nut Co., Midland Ave., Port Chester, N. Y.
 Scovill Mfg. Co., Waterville Screw Products Div., Waterbury, Conn.
 Shakeproof Inc., Div. of Ill. Tool Works, 2501 N. Keeler Ave., Chicago 39, Ill.
 Simmons Fastener Corp., North Broadway, Albany 1, N. Y.
 Standard Pressed Steel Co., Jenkintown, Pa.
 STAYER CO., INC., 91 Pearl St., Brooklyn 1, N. Y. SEE ADV. PG. 188.
 Sterling Bolt Co., 209 W. Jackson Blvd., Chicago 6, Ill.
 Stimpson Co., Inc., Edwin B., 74 Franklin Ave., Brooklyn 5, N. Y.
 Stronghold Screw Products, Inc., 216-22 West Hubbard St., Chicago 10, Ill.
 Tinnerman Products, Inc., 2038 Fulton Rd., Cleveland 13, Ohio
 Ucinite Co., The, Div., United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
 United-Carr Fastener Corp., Cambridge 42, Mass.
 United Screw & Bolt Corp., 2513 W. Cullerton St., Chicago 8, Ill.
 Volkert Metal Stampings, Inc., John, 141 Spencer St., Brooklyn 5, N. Y.
 Waldes Kohinoor Inc., Long Island City 1, N. Y.

FELTS & FELT PARTS

Auburn Mfg. Co., Middletown, Conn.
 Felt Products Mfg., 1504 W. Carroll Ave., Chicago 7, Ill.
 Felters Co., The, 210 South St., Boston, Mass.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Moore Co., Howard J., 108 Park Row, New York 7, N. Y.
 Western Felt Works, 4029 Ogden Ave., Chicago, Ill.
 Whe-Gro Co., 315-17-19 N. Cardinal Ave., St. Louis, Mo.

FERRITE CORES & SHIELDS

General Ceramics & Steatite Corp., Keasbey, N. J.
GENERAL ELECTRIC CO., Chemical Dept.,
 Pittsfield, Mass. SEE ADV. PGS. 5-18.
INDIANA STEEL PRODUCTS CO., 6 N. Michigan
 Ave., Chicago 2, Ill. SEE ADV. PG. 198.
PHILLIPS CONTROL CORP., 612 N. Michigan
 Ave., Chicago 11, Ill. SEE ADV. PG. 164.
RADIO CORP. OF AMERICA, RCA Victor Div.,
 Front & Cooper Sts., Camden, N. J. SEE ADV.
 Pgs. 197, Inside Back and Back Covers.
 Stackpole Carbon Co., St. Marys, Pa.

FIBRE

See Insulation Materials

FILTERS—Antenna

BARKER & WILLIAMSON, 235 Fairfield Ave.,
 Upper Darby, Pa. SEE ADV. PG. 39.
BIRD ELECTRONIC CORP., 1800 E. 38th St.,
 Cleveland 14, Ohio. SEE ADV. PG. 217.
BOND ELECTRONICS CORP., 88 Franklin Place,
 Summit, N. J. SEE ADV. PG. 212.
 Coil Winders, Inc., 61 Bergen St., Brooklyn 2,
 N. Y.
 Consolidated Wire & Associated Companies, 1635
 S. Clinton St., Chicago 16, Ill.
 Continental Electronics Mfg. Co., 1728 Wood St.,
 Dallas 1, Texas
 Crystal Devices Co., Inc., 50 Mill Rd., Freeport,
 N. Y.
 Decimeter, Inc., 1430 Market St., Denver 2,
 Colo.
 Dietz Design & Mfg. Co., 5810 Park Ave., Kansas
 City 4, Mo.
 Johnson Co., E. F., Waseca, Minn.
 K-V Transformer Co., 4414 Park Ave., New York
 57, N. Y.
LAVOIE LABORATORIES, Morganville, N. J. SEE
 ADV. PG. 182.
 Network Mfg. Corp., Bayonne, N. J.
 Orthon Corp., The, Electronic Div., 196 Albion
 Ave., Paterson 2, N. J.
 Press Wireless Mfg. Co., Inc., Cantiague Rd.,
 Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div.,
 Front & Cooper Sts., Camden, N. J. SEE ADV.
 PGS. 197, Inside Back and Back Covers.
RAYTHEON MFG. CO., Equipment Sales Div.,
 Waltham 54, Mass. SEE ADV. PG. 55.
 Rollin Co., 2070 N. Fair Oaks Ave., Pasadena 3,
 Calif.
 S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
 Sprague Electric Co., North Adams, Mass.

FILTERS—Band Elimination

Acro Products Co., 5330 Baltimore Ave., Phila.,
 Pa.
 Airdesign, Inc., 241 Fairfield Ave., Upper Darby,
 Pa.
AMERICAN TRANSFORMER CO., 178 Emmet St.,
 Newark, N. J. SEE ADV. PG. 116.
AUDIO DEVELOPMENT CO., 2833 13th Ave., S.,
 Minneapolis 7, Minn. SEE ADV. PG. 94.
BARKER & WILLIAMSON, 235 Fairfield Ave.,
 Upper Darby, Pa. SEE ADV. PG. 39.
BOND ELECTRONICS CORP., 88 Franklin Place,
 Summit, N. J. SEE ADV. PG. 212.
BURNELL & CO., 45 Warburton Ave., Yonkers 2,
 N. Y. SEE ADV. PG. 45.
 Chicago Electronic Engineering Co., 3223 W.
 Armitage Ave., Chicago 47, Ill.
 Chicago Transformer Div., Essex Wire Corp.,
 3501 W. Addison St., Chicago 18, Ill.
 Cinema Engineering Co., 1510 W. Verdugo Ave.,
 Burbank, Calif.
 Communication Accessories Co., Box 345, 110th
 St. & Hillcrest Rd., Hickman Hills, Missouri
 Crystal Devices Co., Inc., 50 Mill Rd., Freeport,
 N. Y.
 Crystal Research Labs., Inc., 29 Allyn St., Hart-
 ford, Conn.
DeCOURSEY ENGINEERING LABS., P. O. Box
 235, Los Angeles 25, Calif. SEE ADV. PG. 176.
 Deutschmann Corp., Tobe, Norwood, Mass.
 Dietz Design & Mfg. Co., 5810 Park Ave., Kansas
 City 4, Mo.
 Electronic Transformer Co. Inc., 207 W. 25th St.,
 New York, N. Y.

FEDERAL TELEPHONE & RADIO CORP., 100
 Kingsland Rd., Clifton, N. J. SEE ADV. PGS.
 129, 131, 133, 135.
 Filtron Co., Inc., The, 38-25 Bell Blvd., Bayside,
 L. I., N. Y.
GENERAL RADIO CO., 275 Massachusetts Ave.,
 Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Inductive Equipment Co., Gettysburg, Pa.
 K-V Transformer Corp., 4414 Park Ave., New
 York 57, N. Y.
 Kabfell Labs., Inc., 1076 Morena Blvd., San Di-
 ego 10, Calif.
KENYON TRANSFORMER CO., INC., 840 Barry
 St., New York 59, N. Y. SEE ADV. PGS. 138,
 139.
LENKURT ELECTRIC CO., INC., San Carlos,
 Calif. SEE ADV. PG. 196.
 Millen Mfg. Co., James, 150 Exchange St., Mal-
 den, Mass.
 Miller Co., J. W., 5917 S. Main St., Los Angeles,
 Calif.
 Minnesota Electronics Corp., 97 E. Fifth St., St.
 Paul 1, Minn.
 Network Mfg. Corp., Bayonne, N. J.
NEW YORK TRANSFORMER CO., INC., Third
 Ave., Alpha, N. J. SEE ADV. PG. 156.
 Northern Communications Mfg. Corp., 210 E.
 40th St., New York 16, N. Y.
 Orthon Corp., The, Electronic Div., 196 Albion
 Ave., Paterson 2, N. J.
PICKERING & CO., 309 Wood Ave., Oceanside,
 L. I., N. Y. SEE ADV. PG. 130.
 Press Wireless Mfg. Co., Inc., Cantiague Rd.,
 Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div.,
 Front & Cooper Sts., Camden, N. J. SEE ADV.
 PGS. 197, Inside Back and Back Covers.
 Radio Sonic Corp., 186 Union Ave., New Rochelle,
 N. Y.
 S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
 Scott, Inc., Hermon Hosmer, 385 Putnam Ave.,
 Cambridge 39, Mass.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale,
 Pa.
 Southwestern Industrial Electronic Co., 2831 Post
 Oak Rd., Houston 19, Texas
 Technical Materiel Corp., The, 453 W. 47th St.,
 New York 19, N. Y.
 Thordarson Electric Mfg. Div., Maguire Industries,
 Inc., 500 W. Huron St., Chicago 10, Ill.
 Transformer Engineers, 389 South Arroyo Park-
 way, Pasadena, Calif.
UNITED TRANSFORMER CO., 150 Varick St.,
 New York 13, N. Y. SEE ADV. PG. Inside
 Front Cover.
 West Coast Electronics Co., 1601 S. Burlington
 Ave., Los Angeles 6, Calif.

FILTERS—Band Pass

Acme Telectronix Div. of NEA Service, Inc.,
 West Third & Lakeside, Cleveland 13, Ohio
 Acro Products Co., 5330 Baltimore Ave., Phila.,
 Pa.
 Airdesign, Inc., 241 Fairfield Ave., Upper Darby,
 Pa.
AMERICAN TRANSFORMER CO., 178 Emmet St.,
 Newark, N. J. SEE ADV. PG. 116.
 Amplifier Corp. of America, 396 Broadway, New
 York 13, N. Y.
AUDIO DEVELOPMENT CO., 2833 13th Ave., S.,
 Minneapolis 7, Minn. SEE ADV. PG. 94.
 Babcock Radio Engineering Inc., 6164 Sepulveda
 Blvd., Van Nuys, Calif.
BARKER & WILLIAMSON, 235 Fairfield Ave.,
 Upper Darby, Pa. SEE ADV. PG. 39.
BOND ELECTRONICS CORP., 88 Franklin Place,
 Summit, N. J. SEE ADV. PG. 212.
BURNELL & CO., 45 Warburton Ave., Yonkers
 2, N. Y. SEE ADV. PG. 45.
 Chicago Electronic Engineering Co., 3223 W.
 Armitage Ave., Chicago 47, Ill.
 Chicago Transformer Div., Essex Wire Corp.,
 3501 W. Addison St., Chicago 18, Ill.
 Cinema Engineering Co., 1510 W. Verdugo Ave.,
 Burbank, Calif.
 Commercial Equipment Co., 112 W. 18th St.,
 Kansas City 8, Mo.
 Communication Accessories Co., Box 345, 110th
 St. & Hillcrest Rd., Hickman Hills, Missouri
 Continental Electronics, Ltd., 252 Norman Ave.,
 Brooklyn 22, N. Y.
 Crystal Research Labs., Inc., 29 Allyn St., Hart-
 ford, Conn.

DeCOURSEY ENGINEERING LAB., P. O. Box
 235, Los Angeles 25, Calif. SEE ADV. PG. 176.
 Deutschmann Corp., Tobe, Norwood, Mass.
 Dietz Design & Mfg. Co., 5810 Park Ave., Kansas
 City 4, Mo.
ELECTRONIC TRANSFORMER CO., INC., 207
 W. 25th St., New York, N. Y. SEE ADV. PG.
 200.
FEDERAL TELEPHONE AND RADIO CORP., 100
 Kingsland Rd., Clifton, N. J. SEE ADV. PGS.
 129, 131, 133, 135.
GENERAL RADIO CO., 275 Massachusetts Ave.,
 Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Inductive Equipment Co., Gettysburg, Pa.
 Jensen Mfg. Co., 6601 S. Laramie Ave., Chicago
 38, Ill.
 K-V Transformer Corp., 4414 Park Ave., New
 York 57, N. Y.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero
 Ave., Chicago 38, Ill.
KENYON TRANSFORMER CO., INC., 840 Barry
 St., New York 59, N. Y. SEE ADV. PGS. 138,
 139.
 Knights Co., James, 131 S. Wells St., Sandwich,
 Ill.
LENKURT ELECTRIC CO., INC., San Carlos,
 Calif. SEE ADV. PG. 196.
 Magnetic Products Corp., The, Norwalk, Conn.
 Millen Mfg. Co., James, 150 Exchange St., Mal-
 den, Mass.
 Miller Co., J. W., 5917 S. Main St., Los Angeles,
 Calif.
 Minnesota Electronics Corp., 97 E. Fifth St.,
 St. Paul 1, Minn.
 Network Mfg. Corp., Bayonne, N. J.
NEW YORK TRANSFORMER CO., INC., Third
 Ave., Alpha, N. J. SEE ADV. PG. 156.
 Northern Communication Mfg. Corp., 210 E. 40th
 St., New York 16, N. Y.
 Orthon Corp., The, Electronic Div., 196 Albion
 Ave., Paterson 2, N. J.
PICKERING & CO., 309 Woods Ave., Oceanside,
 L. I., N. Y. SEE ADV. PG. 130.
 Press Wireless Mfg. Co., Inc., Cantiague Rd.,
 Hicksville, L. I., N. Y.
 Radio Sonic Corp., 186 Union Ave., New Rochelle,
 N. Y.
 S-W Inductor Co., 1056 N. Wood St., Chicago,
 Ill.
 Scott, Inc., Hermon Hosmer, 385 Putnam Ave.,
 Cambridge 39, Mass.
 Selector Industries, Inc., 401 E. 138th St., New
 York 54, N. Y.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale,
 Pa.
 Sierra Electronic Corp., Belmont & San Carlos,
 Calif.
 Southwestern Industrial Electronic Co., 2831
 Post Oak Rd., Houston 19, Texas
 Sprague Electric Co., North Adams, Mass.
 Technical Materiel Corp., The, 453 W. 47th St.,
 New York 19, N. Y.
 Thordarson Electric Mfg. Div., Maguire Industries,
 Inc., 500 W. Huron St., Horn St., Chicago 10,
 Ill.
 Transformer Engineers, 389 South Arroyo Park-
 way, Pasadena, Calif.
UNITED TRANSFORMER CO., 150 Varick St.,
 New York 13, N. Y. SEE ADV. PG. Inside
 Front Cover.
 West Coast Electronics Co., 1601 S. Burlington
 Ave., Los Angeles, Calif.
 Western Electric Co., Inc., 195 Broadway, New
 York 7, N. Y.

FILTERS—Detonation

Communication Accessories Co., Box 345, 110th
 St. & Hillcrest Rd., Hickman Hills, Missouri
ELECTRONIC TRANSFORMER CO., INC., 207
 W. 25th St., New York, N. Y. SEE ADV. PG.
 200.

FILTERS—Electric Wave Section

Acro Products Co., 5330 Baltimore Ave., Phila.,
 Pa.
 Acro Transformer & Mfg. Corp., 21-20 33rd Ave.,
 Long Island City 6, N. Y.
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
AUDIO DEVELOPMENT CO., 2833 13th Ave., S.,
 Minneapolis 7, Minn. SEE ADV. PG. 94.
BARKER & WILLIAMSON, 235 Fairfield Ave.,
 Upper Darby, Pa. SEE ADV. PG. 39.

BIRD ELECTRONIC CORP., 1800 E. 36th St., Cleveland 14, Ohio. SEE ADV. PG. 217.
BURNELL & CO., 45 Warburton Ave., Yonkers 2, N. Y. SEE ADV. PG. 45.
 Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill.
 Communication Accessories Co., Box 345, 110th St. & Hillcrest Rd., Hickman Hills, Missouri
 Communication Equipment & Engrg. Co., 5645 W. Race St., Chicago 44, Ill.
 Communications Parts, 1101 N. Paulina St., Chicago 22, Ill.
DeCOURSEY ENGINEERING LAB., P. O. Box 235, Los Angeles 25, Calif. SEE ADV. PG. 176.
 Deutschmann Corp., Tobe, Norwood, Mass.
 Dietz Design & Mfg. Co., 5810 Park Ave., Kansas City 4, Mo.
ELECTRONIC TRANSFORMER CO., INC., 207 25th St., New York, N. Y. SEE ADV. PG. 200.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Filtron Co., Inc., The, 38-25 Bell Blvd., Bayside, L. I., N. Y.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
KENYON TRANSFORMER CO., INC., 840 Barry St., New York 59, N. Y. SEE ADV. PGS. 138, 139.
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196.
 Lynch Co., F. W., 151 2nd St., San Francisco, Calif.
 Magnetic Products Corp., The, Norwalk, Conn.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156.
NORTHERN RADIO CO., INC., 143-145 W. 22nd St., New York 11, N. Y. SEE ADV. PGS. 153-155.
PICKERING & CO., 309 Woods Ave., Oceanside, L. I., N. Y. SEE ADV. PG. 130.
 Press Wireless Mfg. Co., Inc., Cantiaque Rd., Hicksville, L. I., N. Y.
 S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill.
 Transformer Engineers, 389 South Arroyo Parkway, Pasadena, Calif.
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.

FILTERS—Equalizer

Acro Products Co., 5330 Baltimore Ave., Phila., Pa.
 Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
 Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
AUDIO DEVELOPMENT CO., 2833 13th Ave., S., Minneapolis 7, Minn. SEE ADV. PG. 94.
 Audio Equipment Sales, 153 W. 33rd St., New York 1, N. Y.
BURNELL & CO., 45 Warburton Ave., Yonkers 2, N. Y. SEE ADV. PG. 45.
 Collins Radio Co., Cedar Rapids, Iowa
 Communication Accessories Co., Box 345, 110th St. & Hillcrest Rd., Hickman Hills, Missouri
DeCOURSEY ENGINEERING LAB., P. O. Box 235, Los Angeles 25, Calif. SEE ADV. PG. 176.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
 Fairchild Recording Equipment Corp., 154th St. & 7th Ave., Whitestone, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
FRED TRANSFORMER CO., 1736 Weirfield St., Brooklyn 27, N. Y. SEE ADV. PG. 53.
KENYON TRANSFORMER CO., INC., 840 Barry St., New York 59, N. Y. SEE ADV. PGS. 138, 139.
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196.

Magnetic Products Corp., The, Norwalk, Conn.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156.
PICKERING & CO., 309 Woods Ave., Oceanside, L. I., N. Y. SEE ADV. PG. 130.
PRESTO RECORDING CORP., Paramus, N. J. SEE ADV. PGS. 40, 41.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City 3, N. Y.
 Stephens Mfg. Corp., 8538 Warner Drive, Culver City, Calif.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill.
 Transformer Engineers, 389 South Arroyo Parkway, Pasadena, Calif.
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.

FILTERS—Lighting (for radio towers)

Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Collins Radio Co., Cedar Rapids, Iowa
 Continental Electronics Mfg. Co., 1728 Wood St., Dallas 1, Texas
 Gates Radio Co., Quincy, Ill.
 Johnson Co., E. F., Waseca, Minn.
 Kopp Glass Inc., 1 E. 42nd St., New York 17, N. Y.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.

FILTERS—Needle Scratch

BURNELL & CO., 45 Warburton Ave., Yonkers 2, N. Y. SEE ADV. PG. 45.
 Collins Audio Products Co., P. O. Box 368, Westfield, N. J.
 Communication Accessories Co., Box 345, 110th St. & Hillcrest Rd., Hickman Hills, Missouri
DeCOURSEY ENGINEERING LAB., P. O. Box 235, Los Angeles 25, Calif. SEE ADV. PG. 176.
 Electronic Transformer Co., Inc., 207 W. 25th St., New York, N. Y.
 K-V Transformer Co., 4414 Park Ave., New York 57, N. Y.
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156.
PICKERING & CO., 309 Woods Ave., Oceanside, L. I., N. Y. SEE ADV. PG. 130.
 Scott, Hermon Hosmer, Inc., 385 Putnam Ave., Cambridge 39, Mass.
 Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City 3, N. Y.
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.

FILTERS—Radio Interference

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Aeronautical Radio Mfg. Co., 155 First St., Mineola, N. Y.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Continental Carbon, Inc., 13900 Lorain Ave., Cleveland 11, Ohio
CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., S. Plainfield, N. J. SEE ADV. PG. 87.

DeCOURSEY ENGINEERING LAB., P. O. Box 235, Los Angeles 25, Calif. SEE ADV. PG. 176.
 Dumont Electric Co., 308 Dyckman St., New York, N. Y.
 Deutschmann Corp., Tobe, Norwood, Mass.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
 Fast & Co., John E., 3101 N. Pulaski Rd., Chicago 41, Ill.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Filtron Co., Inc., The, 38-25 Bell Blvd., Bayside, L. I., N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Inductive Equipment Co., Gettysburgh, Pa.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 30.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn 57, N. Y. SEE ADV. PG. 112.
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y.
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 Network Mfg. Corp., Bayonne, N. J.
 Orthon Corp., The, Electronic Div., 196 Albion Ave., Paterson 2, N. J.
 Potter Co., 1850 Sheridan Rd., No. Chicago, Ill.
 Pyramid Electric Co., 155 Oxford St., Paterson, N. J.
 S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
 Scintilla-Magneto Div., Bendix Aviation Corp., Sidney, N. Y.
 Scott, Hermon Hosmer, Inc., 385 Putnam Ave., Cambridge 39, Mass.
 Solar Mfg. Corp., 1445 Hudson Blvd., North Bergen, N. J.
 Sprague Electric Co., North Adams, Mass.

FILTERS—uhf & vhf

BIRD ELECTRONIC CORP., 1800 E. 38th St., Cleveland 14, Ohio. SEE ADV. PG. 217.
 Communication Products Co., Inc., Broadway & Clark St., Keyport, N. J.
 Crystal Devices Co., Inc., 50 Mill Rd., Freeport, N. Y.
 Deutschmann Corp., Tobe, Norwood, Mass.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Filtron Co., Inc., The, 38-25 Bell Blvd., Bayside, L. I., N. Y.
HARNETT ELECTRIC CORP., 138 Haven Ave., Port Washington, L. I., N. Y. SEE ADV. PG. 188.
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y.
LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.
 Orthon Corp., The, Electronic Div., 196 Albion Ave., Paterson 2, N. J.
 Press Wireless Mfg. Co., Inc., Cantiaque Rd., Hicksville, L. I., N. Y.
 Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
 Rollin Co., 2070 N. Fair Oaks Ave., Pasadena 3, Calif.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Sprague Electric Co., North Adams, Mass.
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
 Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.

FINISHES—Crystal

Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.
 Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pennsylvania. SEE ADV. PG. 104.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.

FINISHES—Enamel

Arco Co., 7301 Bessemer Ave., Cleveland 4, Ohio
 Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.
 Dolph Co., John C., Monmouth Junction, N. J.
 du Pont de Nemours & Co. Inc., E. I., Wilmington 98, Delaware
 Egyptian Lacquer Mfg. Co., 1270 Sixth Ave., New York, N. Y.
 Franklin Paint & Varnish Co., Benjamin, 4820 Langdon St., Philadelphia 24, Pa.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 Haynes Labs., Inc., C. W., 61 Chandler St., Springfield, Mass.
 Horn Co., Inc., A. C., 43-36 Tenth St., Long Island City 1, N. Y.
 Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.
 Midland Paint & Varnish Co., 9115 Reno Ave., Cleveland 5, Ohio
 Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.
PRODUCTION ENGINEERING CO., 173 Sargeant Ave., Clifton, N. J. SEE ADV. PG. 212.
SCHENECTADY VARNISH CO., Schenectady, N. Y. SEE ADV. PG. 111.
 Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
 Standard Varnish Works, 2600 Richmond Terr., Staten Island, N. Y.
 U. S. Rubber Co., Mechanical Goods Div., 1280 Avenue of the Americas, New York 20, N. Y.

FINISHES—Lacquer

Arco Co., 7301 Bessemer Ave., Cleveland 4, Ohio
 Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.
 Dolph Co., John C., Monmouth Junction, N. J.
 du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Delaware
 Egyptian Lacquer Mfg. Co., 1270 Sixth Ave., New York, N. Y.
 Franklin Paint & Varnish Co., Benjamin, 4820 Langdon St., Philadelphia 24, Pa.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Haynes Labs., Inc., C. W., 61 Chandler St., Springfield, Mass.
 Horn Co., Inc., A. C., 43-36 Tenth St., Long Island City 1, N. Y.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.
 Midland Paint & Varnish Co., 9115 Reno Ave., Cleveland 5, Ohio
 Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.
PRODUCTION ENGINEERING CO., 173 Sargeant Ave., Clifton, N. J. SEE ADV. PG. 212.
 Radiocrafters, 1156 Commonwealth Ave., Boston 34, Mass.
 Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
 Standard Varnish Works, 2600 Richmond Terr., Staten Island, N. Y.

FINISHES—Luminous Materials

Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 Egyptian Lacquer Mfg. Co., 1270 Sixth Ave., New York, N. Y.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.
 Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.
 Shannon Luminous Materials Co., 7346 Santa Monica Blvd., Hollywood 46, Calif.

FINISHES—Ripple

Arco Co., 7301 Bessemer Ave., Cleveland 4, Ohio
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Haynes Labs., Inc., C. W., 61 Chandler St., Springfield, Mass.
 Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.
 Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Standard Varnish Works, 2600 Richmond Terr., Staten Island 3, N. Y.

FINISHES—Varnish

Arco Co., 7301 Bessemer Ave., Cleveland 4, Ohio
 Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.
 du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.
 Franklin Paint & Varnish Co., Benjamin, 4820 Langdon St., Philadelphia 24, Pa.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Haynes Labs., Inc., C. W., 61 Chandler St., Springfield, Mass.
 Heresite and Chemical Co., Manitowoc, Wis.
 Horn Co., Inc., A. C., 43-36 Tenth St., Long Island City 1, N. Y.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.
 Midland Paint & Varnish Co., 9115 Reno Ave., Cleveland 5, Ohio
 Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.
PRODUCTION ENGINEERING CO., 173 Sargeant Ave., Clifton, N. J. SEE ADV. PG. 212.
SCHENECTADY VARNISH CO., Schenectady, N. Y. SEE ADV. PG. 111.
 Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
 Standard Varnish Works, 2600 Richmond Terr., Staten Island 3, N. Y.

FLEXIBLE SHAFT EQUIPMENT

See Machines

FLOCK & FLOCKED PAPER

Auburn Mfg. Co., Middletown, Conn.
 Bestcraft Products, 14 Delancey St., New York, N. Y.
 Cellusuede Products, Inc., Rockford, Ill.
 Flock Process Co., Velvetone Div., 3 Quincy St., Norwalk, Conn.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Haynes Labs., Inc., C. W., 61 Chandler St., Springfield, Mass.
 Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.
 Radiocrafters, 1156 Commonwealth Ave., Boston 34, Mass.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.

FLUORESCENT COMPOUNDS—Phosphors

du Pont de Nemours & Co., E. I., Patterson Screen Div., Towanda, Pa.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 U. S. Radium Corp., 535 Pearl St., New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

FLUOROMETERS

Coleman Instruments, Inc., 318 Madison St., Maywood, Ill.
 Farrand Optical Co., Inc., Bronx Blvd. at 238th St., New York 66, N. Y.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 Rubicon Co., 3751 Ridge Ave., Phila., Pa.

FLUX—Brazing Compounds

AMERICAN PLATINUM WORKS, N. J. R. R. Ave. at Oliver St., Newark 5, N. J. SEE ADV. PG. 192.
 American Solder & Flux Co., 2152 E. Norris St., Phila. 25, Pa.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Eutetic Welding Alloys Corp., 40 Worth St., New York 13, N. Y.
 Farrelloy Co., 1245 N. 26th St., Philadelphia 21, Pa.
 Glaser Lead Co., Inc., 31 Wyckoff Ave., Brooklyn, N. Y.
 Goldsmith Bros. Smelting & Refining Co., 109 N. Wabash Ave., Chicago 2, Ill.
HANDY & HARMAN, 82 Fulton St., New York 7, N. Y. SEE ADV. PG. 204.
SOLDERING SPECIALTIES CO., Summit, N. J. SEE ADV. PG. 58.
 Special Chemicals Corp., 30 Irving Pl., New York 3, N. Y.
 Superior Flux Co., 1302 Ontario St., Cleveland 13, Ohio
 Tricon Mfg. Co., 8318 S. Racine Ave., Chicago, Ill.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

FLUX—Brazing & Soldering

AMERICAN PLATINUM WORKS, N. J. R. R. Ave. at Oliver St., Newark 5, N. J. SEE ADV. PG. 192.
 American Solder & Flux Co., 2152 E. Norris St., Phila. 25, Pa.
 Division Lead Co., 836 W. Kinzie St., Chicago 22, Ill.
 Eastern Metals Industries, 250 W. 54th St., New York 19, N. Y.
 Eutetic Welding Alloys Corp., 40 Worth St., New York 13, N. Y.
 Farrelloy Co., 1245 N. 26th St., Philadelphia 21, Pa.
 Glaser Lead Co., Inc., 31 Wyckoff Ave., Brooklyn, N. Y.
 Goldsmith Bros. Smelting & Refining Co., 109 N. Wabash Ave., Chicago 2, Ill.
HANDY & HARMAN, 82 Fulton St., New York 7, N. Y. SEE ADV. PG. 204.
 Johnson Mfg. Co., Inc., Mt. Vernon, Iowa
 Lenk Mfg. Co., The, 30 Cummington St., Boston 15, Mass.
 Linick Chemical Co., 29 E. Madison St., Chicago 2, Ill.
MAKEPEACE CO., D. E., Attleboro, Mass. SEE ADV. PG. 84.
SOLDERING SPECIALTIES CO., Summit, N. J. SEE ADV. PG. 58.
 Special Chemicals Corp., 30 Irving Pl., New York 3, N. Y.
 Superior Flux Co., 1302 Ontario St., Cleveland 13, Ohio
 Tricon Mfg. Co., 8318 S. Racine Ave., Chicago, Ill.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wildberg Bros. Smelting & Refining Co., 742 Market St., San Francisco 2, Calif.

FLUX—Soldering

Allen Co., Inc., L. B., 6751 Bryn Mawr Ave., Chicago 31, Ill.
 Alpha Metals, Inc., 363 Hudson Ave., Brooklyn 1, N. Y.
 Aluminum Co. of America, Gulf Bldg., Pittsburgh, Pa.
 American Solder & Flux Co., 2152 E. Norris St., Phila. 25, Pa.
BRITISH INDUSTRIES CORP., 315 Broadway, New York 7, N. Y. SEE ADV. PG. 81.

Burnley Battery & Mfg. Co., Clay St., North East, Pa.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 Decimeter Inc., 1430 Market St., Denver 2, Col.
 Division Lead Co., 836 W. Kinzie St., Chicago 22, Ill.
 Dunton Co., The. M. W., 670 Eddy St., Providence 3, R. I.
 du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Delaware
 Eastern Metals Industries, 250 W. 54th St., New York 19, N. Y.
 Eutectic Welding Alloys Corp., 40 Worth St., New York 13, N. Y.
 Farrelloy Co., 1245 N. 26th St., Philadelphia 21, Pa.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 Glaser Lead Co., Inc., 31 Wycoff Ave., Brooklyn, N. Y.
 Johnson Gas Appliance Co., 520 Ave. E., N. W., Cedar Rapids, Iowa
 Johnson Mfg. Co., Inc., Mt. Vernon, Iowa
KESTER SOLDER CO., 4212 Wrightwood Ave., Chicago 33, Ill. SEE ADV. PG. 150.
 Lenk Mfg. Co., 30 Cummington St., Boston 15, Mass.
 Linick Chemical Co., 29 E. Madison St., Chicago 2, Ill.
 Merck & Co., Inc., Rahway, N. J.
MULTICORE SOLDERS LTD., Meillier House, Albemarle St., London, W. 1, England. SEE ADV. PG. 81.
 National Lead Co., 111 Broadway, New York 6, N. Y.
 Ruby Chemical Co., 68 MacDowell St., Columbus, Ohio
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
SOLDERING SPECIALTIES CO., Summit, N. J. SEE ADV. PG. 58.
 Special Chemicals Corp., 30 Irving Place, New York 3, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Superior Flux Co., 1302 Ontario St., Cleveland 13, Ohio
 Tricon Mfg. Co., 8318 S. Racine Ave., Chicago, Ill.
 Weaver Specialty Co., 6344 Aurelia St., Pittsburgh, Pa.
 Wildberg Bros. Smelting & Refining Co., 742 Market St., San Francisco 2, Calif.

FLUXMETER

Associated Research, Inc., 3758 W. Belmont, Chicago 18, Ill.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
 Rawson Electrical Instrument Co., 110 Potter St., Cambridge 42, Mass.
 Rubicon Co., 3751 Ridge Ave., Phila., Pa.
 Sensitive Research Instrument Corp., 9 Elm Ave., Mt. Vernon, N. Y.

FORKS—Electrically Driven Tuning

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
AMERICAN TIME PRODUCTS, INC., 580 Fifth Ave., New York 19, N. Y. SEE ADV. PG. 216.
 Columbus Electronics Corp., 229 S. Waverly St., Yonkers, N. Y.
 Gaertner Scientific Corp., 1201 Wrightwood Ave., Chicago 14, Ill.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
 Heiland Research Corp., 130 E. 5th Ave., Denver 9, Colo.

Macleod & Hanopol, Joiner St., Charlestown 29, Mass.
 Norrman Labs., Ernst, Williams Bay, Wis.
 Times Facsimile Corp., 229 W. 43rd St., New York, N. Y.

FORMS—Antenna

Coil Winders, Inc., 61 Bergen St., Brooklyn 2, N. Y.

FORMS—Coil

See Also Bobbins
 Alden Products Co., 117 N. Main St., Brockton 64, Mass.
AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Auburn Mfg. Co., Middletown, Conn.
 Beach Precision Parts Co., Boonton, N. J.
BUD RADIO INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
 Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
 Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.
CENTRALAB DIV. of Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
 Chicago Die Mold Mfg. Co., 4001 Wrightwood Ave., Chicago 39, Ill.
CLEVELAND CONTAINER CO., THE, 6201 Barberton Ave., Cleveland 2, Ohio. SEE ADV. PG. 183.
 Coil Winders Inc., 61 Bergen St., Brooklyn 2, N. Y.
CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Del. SEE ADV. PGS. 119-122.
 Corning Glass Works, Corning, N. Y.
 Crowley & Co., Inc., Henry L., 1 Central Ave., West Orange, N. J.
 Electrical Insulation Co., Inc., 12 Vestry St., New York 13, N. Y.
 Electronic Mechanics, Inc., 70 Clifton Blvd., Clifton, N. J.
ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109.
 Felsenthal & Sons, Inc., G., 4100 W. Grand Ave., Chicago 51, Ill.
 General Ceramics & Steatite Corp., Keasbey, N. J.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.
 Insulating Tube Co., 26 Cottage St., P. O. Box 1, Poughkeepsie, N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Johnson Co., E. F., Waseca, Minn.
 Kirchberger & Co., Inc., M., 1425 37th St., Brooklyn 18, N. Y.
 Mayfair Molded Products Corp., 4440 N. Elston Ave., Chicago 30, Ill.
 Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
MYCALEX CORP. OF AMERICA, 60 Clifton Blvd., Clifton, N. J. SEE ADV. PGS. 124, 125.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
NATIONAL MOLDITE CO., Hillside 5, N. J. SEE ADV. PG. 146.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 Panelyte Div., St. Regis Paper Co., 230 Park Ave., New York, N. Y.
 Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
PRECISION PAPER TUBE CO., 2033 W. Charleston St., Chicago 47, Ill. SEE ADV. PG. 112.
 Printloid Inc., 95 Mercer St., New York, N. Y.
 Raymond Mfg. Co., Div. of Associated Spring Corp., 226 S. Center St., Corry, Pa.
 Rogers Corp., Manchester, Conn.
 Speer Resistor Corp., St. Marys, Pa.
 Stackpole Carbon Co., St. Marys, Pa.
 Steward Mfg. Co., D. M. Chattanooga, Tenn.

STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.
 Synthane Corp., Oaks, Pa.
 Taylor Fibre Co., Norristown, Pa.
 Taylor Mfg. Co., 3056 W. Meinecke Ave., Milwaukee 10, Wisc.
TELEX, INC., Telex Park, Minneapolis 1, Minn. SEE ADV. PG. 170.
 Uclinite Co., The, Div., United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
 Waterbury Companies, Inc., Waterbury 90, Conn.

FORMS—Resistor

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
CENTRALAB, Div of Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Corning Glass Works, Corning, N. Y.
 General Ceramics & Steatite Corp., Keasbey, N. J.
 Kirchberger & Co., Inc., M., 1425 37th St., Brooklyn 18, N. Y.
MYCALEX CORP. OF AMERICA, 60 Clifton Blvd., Clinton, N. J. SEE ADV. PGS. 124, 125.
PRECISION PAPER TUBE CO., 2033 W. Charleston St., Chicago 47, Ill. SEE ADV. PG. 112.
 Stackpole Carbon Co., St. Marys, Pa.
STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa., SEE ADV. PG. 78.

FORMS—Wire

Accurate Spring Mfg. Co., 3811 W. Lake St., Chicago, Ill.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 American Steel & Wire Co., U. S. Steel Corp. Sub., Rockefeller Bldg., Cleveland 13, Ohio
ART WIRE & STAMPING CO., 227 High St., Newark 2, N. J. SEE ADV. PG. 232.
 Barnes-Gibson-Raymond Div. of Associated Spring Corp., 6400 Miller Ave., Detroit 11, Mich.
 Cuyahoga Spring Co., 10272 Berea Rd., Cleveland, Ohio
 Grammes & Sons Inc., L. F., 389 Union St., Allentown 2, Pa.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Hubbard Spring Co., M. D., Central Ave., Pontiac, Mich.
 Raymond Mfg. Co., Div. of Associated Spring Corp., 226 S. Center St., Corry, Pa.
 Reliable Spring & Wire Forms Co., Fulton Rd. & Paris Ave., Cleveland 9, Ohio
 Stimpson Co., Inc., Edwin B., 74 Franklin Ave., Brooklyn 5, N. Y.
STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.
WEBSTER SPRING CORP., 97 S. 5th St., Brooklyn 11, N. Y. SEE ADV. PGS. 229, 233.

FREQUENCY STANDARDS

See Standards—Frequency

FURNACES—High Frequency

Eastern Metals Industries, 250 W. 54th St., New York 19, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Induction Heating Corp., 181 Wythe Ave., Brooklyn 11, N. Y.

FUSE HOLDERS

See Blocks

FUSES

BUSSMANN MFG. CO., St. Louis 7, Mo. SEE ADV. PG. 210.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 Eagle Electric Mfg. Co., Inc., 23-10 Bridge Plaza S., Long Island City, N. Y.

Economy Fuse & Mfg. Co., 2717 Greenview Ave., Chicago 14, Ill.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Jefferson Electric Co., Bellwood, Ill.
 Littelfuse, Inc., 4757 Ravenswood Ave., Chicago 40, Ill.
 Pierce Renewable Fuses, Inc., 211 Hertel Ave., Buffalo 7, N. Y.
 Trico Fuse Mfg. Co., 2948 N. Fifth, Milwaukee 12, Wisc.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

GAGES—Comparator

ARMA CORP., 254 35th St., Brooklyn 32, N. Y. SEE ADV. PG. 220.
DoAll Co., 254 No. Laurel Ave., Des Plaines, Ill.
 Engineers Specialties Div., Universal Engraving & Colorplate Co., 980 Ellicott St., Buffalo 8, N. Y.
 Fielden Electronics Inc., 1171 New York Ave., Huntington Station, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Metron Instrument Co., 432 Lincoln St., Denver 9, Colo.
 O'Connor & Co., John T., West Orange, N. J. Pratt & Whitney Div., Niles-Bement-Pond Co., West Hartford 1, Conn.
 Scherr Co., Inc., Geo., 200 Lafayette St., New York 12, N. Y.
 Sheffield Corp., The, Dayton 1, Ohio
 Starrett Co., L. S., 165 Crescent St., Athol, Mass.

GAGES—Displacement Measuring

BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Electro Products Labs., Inc., 549 W. Randolph St., Chicago 6, Ill.
 Electronic Control Corp., 1573 E. Forrest St., Detroit, Mich.
 Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
 Massa Laboratories, 3868 Carnegie St., Cleveland, Ohio
 Photocon Research Products, 1062 N. Allen Ave., Pasadena 7, Calif.
 Statham Labs., Inc., 9328 Santa Monica Blvd., Beverly Hills, Calif.
 Televiso Products Inc., 7466 West Irving Park Road, Chicago 34, Ill.
TRANS-SONICS, INC., Bedford Airport, Bedford, Mass. SEE ADV. PG. 132.

GAGES—Electronic Fuel Indicator

Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.

GAGES—Electronic Inspection

ARMA CORP., 254 36th St., Brooklyn 32, N. Y. SEE ADV. PG. 220.
 Autotron Co., The, Danville, Ill.
 Branson Instruments, Inc., 436 Fairfield Ave., Stamford, Conn.
 Electro Products Labs., Inc., 549 W. Randolph St., Chicago 6, Ill.
 Fielden Electronics Inc., 1171 New York Ave., Huntington Station, N. Y.
 Hoffman Engineering Corp., Anoka, Minn.
INDUSTRIAL ELECTRONICS, INC., 2457 Woodward Ave., Detroit 1, Mich. SEE ADV. PG. 226.
 LaRose & Associates, W. T., 646 Second Ave., Troy, N. Y.
 O'Connor & Co., John T., West Orange, N. J.
 Photocon Research Products, 1062 N. Allen Ave., Pasadena 7, Calif.
 Pratt & Whitney Div., Niles-Bement-Pond Co., West Hartford 1, Conn.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Sheffield Corp., The, Dayton 1, Ohio

Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.

GAGES—Electronic Spring Checking

Link Engineering Co., 13581 Elmira St., Detroit 27, Mich.

GAGES—Ionization

Distillation Products, Inc., Vacuum Equipment Div., 755 Ridge Rd., W., Rochester, N. Y.
 Eitel-McCullough, Inc., San Bruno, Calif.
 Fredericks Co., Geo. E., Bethayres, Pa.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 National Research Corp., 70 Memorial Drive, Cambridge 42, Mass.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 National Union Radio Corp., 350 Scotland Rd., Orange, N. J.
 Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.
 Omaha Scientific Supply Co., 3623 Lake St., Omaha 4, Neb.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE PGS. 197, Inside Back & Back Covers.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Thermionic Engineering Corp., Poinpoint Plains, N. J.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

GAGES—Paint Depth

American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 Branson Instruments, Inc., 436 Fairfield Ave., Stamford, Conn.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
 Gardner Lab., Inc., Henry A., 4723 Elm St., Bethesda 14, Md.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Tracerlab, Inc., 55 Oliver St., Boston 10, Mass.

GAGES—Photoelectric Dimension

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
CONTINENTAL ELECTRIC CO., Geneva, Ill. SEE ADV. PG. 176.
 Electronic Control Corp., 1573 E. Forest Street, Detroit, Mich.
 La Rose & Associates, W. T., 646 Second Ave., Troy, N. Y.
 O'Connor & Co., John T., West Orange, N. J.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Sheffield Corp., The, Dayton 1, Ohio
 Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
 Wilson & Co., G. C., 2 N. Passaic Ave., Chatham, N. J.

GAGES—Pirani

Distillation Products, Inc., Vacuum Equipment Div., 755 Ridge Rd., W., Rochester, N. Y.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
 Fredericks Co., Geo. E., Bethayres, Pa.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
RESEARCH ELECTRONICS LAB., 2459 Susquehanna Rd., Roslyn, Pa. SEE ADV. PG. 233.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

GAGES—Pressure

Airplane & Marine Instruments, Inc., Clearfield, Pa.
 American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Dillon & Co., Inc., W. C., 5410 W. Harrison St., Chicago 44, Ill.
 Electric Auto-Lite Co., The, Toledo 1, Ohio
 Electro Products Labs., Inc., 549 W. Randolph St., Chicago 6, Ill.
 Eleomatic Equipment Corp., 6046 S. Wentworth Ave., Chicago 21, Ill.
 Engineering Research Associates, Inc., 1902 W. Minnehaha Ave., St. Paul 4, Minn.
 Foxboro Co., The, Foxboro, Mass.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.
 Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
KOLLSMAN INSTRUMENT DIV. OF SQUARE D CO., 80-08 45th Ave., Elmhurst, N. Y. SEE ADV. PG. 36.
 Massa Laboratories, 3868 Carnegie St., Cleveland, Ohio
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
 Photocon Research Products, 1062 N. Allen Ave., Pasadena 7, Calif.
 Ruge-DE Forest, Inc., 76 Massachusetts Ave., Cambridge 39, Mass.
 Sheffield Corp., The, Dayton 1, Ohio
 Statham Laboratories, Inc., 9328 Santa Monica Blvd., Beverly Hills, Calif.
TRANS-SONICS, INC., Bedford Airport, Bedford, Mass. SEE ADV. PG. 132.
 U. S. Gauge Div., American Machine & Metals, Inc., Sellersville, Pa.
 Wallace & Tiernan Products Inc., Belleville 9, N. J.
 Weksler Thermometer Corp., 52 W. Houston St., New York, N. Y.

GAGES—Strain

American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Foxboro Co., The, Foxboro, Mass.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.
 Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colorado.
 Massa Laboratories, 3868 Carnegie St., Cleveland, Ohio
 National Electrical Machine Shops, Inc., 919 Jesup-Blair Dr., Silver Spring, Md.
 Ruge-DE Forest, Inc., 76 Massachusetts Ave., Cambridge 39, Mass.
 Saxl Instrument Co., Harvard, Mass.
 Sheffield Corp., The, Dayton 1, Ohio
 Starrett Co., L. S., 165 Crescent St., Athol, Mass.
 Statham Laboratories, Inc., 9328 Santa Monica Blvd., Beverly Hills, Calif.
 Televiso Products, Inc., 7466 W. Irving Pk. Rd., Chicago 34, Ill.

GAGES—Ultrasonic Thickness

Branson Instruments, Inc., 436 Fairfield Ave., Stamford, Conn.
 Engineering Lab., Inc., 602 E. 4th St., Tulsa 3, Okla.
INDUSTRIAL ELECTRONICS, INC., 2457 Woodward Ave., Detroit 1, Mich. SEE ADV. PG. 226.
 Sperry Products, Inc., Danbury, Conn.
 Triplett & Barton, Inc., 831 N. Lake St., Burbank, Calif.

GAGES—Vacuum

Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
CONTINENTAL ELECTRIC CO., Geneva, Ill. SEE ADV. PG. 176.
 Distillation Products, Inc., Vacuum Equipment Div., 755 Ridge Rd., W., Rochester, N. Y.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
 Eitel-McCullough, Inc., San Bruno, Calif.
 Electric Auto-Lite Co., Toledo 1, Ohio
 Electric Heat Control Co., The, 9123 Inman Ave., Cleveland 5, Ohio
 Foxboro Co., The, Foxboro, Mass.
 Fredericks Co., Geo. E., Bethayres, Pa.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hastings Instrument Co., Box 1275, Hampton, Va.
 Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
KOLLSMAN INSTRUMENT DIV. OF SQUARE D CO., 80-08 45th Ave., Elmhurst N. Y. SEE ADV. PG. 36.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
 National Research Corp., 70 Memorial Drive, Cambridge 42, Mass.
 Precision Resistor Co., 334 Badger Ave., Newark 8, N. J.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Research Electronics Lab., 2459 Susquehanna Rd., Roslyn, Pa.
 Sheffield Corp., The, Dayton 1, Ohio
 Skaneateles Mfg. Co., Inc., 122 Dickerson St., Syracuse 2, N. Y.
 Stokes Machine Co., F. J., 5850 Tabor Rd., Olney P. O., Phila. 20, Pa.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 U. S. Gauge Div., American Machines & Metals, Inc., Sellersville, Pa.
 Vacuum Electronic Engineering Co., 316 37th St., Brooklyn 2, N. Y.
 Wallace & Tiernan Products, Inc., Belleville 9, N. J.
 Weksler Thermometer Corp., 52 W. Houston St., New York, N. Y.
 Welch Scientific Co., W. M., 1515 Sedgwick St., Chicago 10, Ill.
 Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

GALVANOMETERS

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Assembly Products, Inc., Chagrin Falls 6, Ohio
 Berndt-Bach, Inc., 7377 Beverly Rd., Los Angeles 36, Calif.
CENTURY GEOPHYSICAL CORP., Tulsa 3, Oklahoma. SEE ADV. PG. 164.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Consolidated Engineering Corp., 620 N. Lake Ave., Pasadena 4, Calif.
 Edin Electronics Co., 207 Main St., Worcester, Mass.
 Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska
 Electronic Supply Co., 207 Main St., Worcester, Mass.
 Engineering Lab., Inc., 602 E. 4th St., Tulsa 3, Okla.
 G-M Laboratories, Inc., 4313 No. Knox Ave., Chicago, Ill.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.

Gordon Co., Claud S., 3000 S. Wallace St., Chicago 16, Ill.
 Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
 Heiland Research Corp., 130 E. 5th Ave., Denver 9, Colo.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
J B T INSTRUMENTS, INC., 441 Chapel St., New Haven 8, Conn. SEE ADV. PG. 229.
 Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
 Miller Corp., Wm., 362 W. Colorado St., Pasadena, Calif.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
 Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.
 Rubicon Co., 3751 Ridge Ave., Philadelphia, Pa.
SANBORN CO., 39 Osborn St., Cambridge 39, Mass. SEE ADV. PG. 30.
 Sensitive Research Instrument Corp., 9 Elm Ave., Mt. Vernon, N. Y.
 Thwing-Albert Instrument Co., 5351 Pulaski Avenue, Philadelphia 44, Pa.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
 Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

GASES—Nitrogen

Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
 Linde Air Products Co., Unit of Union Carbide and Carbon Corp., 30 E. 42nd St., New York 17, N. Y.

GASES—Rare

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Linde Air Products Co., Unit of Union Carbide and Carbon Corp., 30 E. 42nd St., New York 17, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

GASKETS

Armstrong Cork Co., Lancaster, Pa.
 Auburn Mfg. Co., Middletown, Conn.
 Board Products Co., 4206 W. Lake St., Chicago 24, Ill.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Connecticut Hard Rubber Co., 407 East St., New Haven 9, Conn.
 Felsenthal & Sons, Inc., G., 4100 W. Grand Ave., Chicago 51, Ill.
 Felt Products Mfg. Co., 1504 W. Carroll Ave., Chicago 7, Ill.
 Garrett Co., Inc., George K., 1421 Chestnut St., Philadelphia 2, Pa.
 Gasket Engineering Co., 2440 Charlotte St., Kansas City 8, Mo.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Insulating Fabricators, Inc., 12 E. 12th St., New York, N. Y.
 Moore Co., Howard J., 108 Park Row, New York 7, N. Y.
 National Gasket & Washer Mfg. Co., Inc., 122 E. 25th St., New York 10, N. Y.
 Parisian Novelty Co., 3510 South Western Ave., Chicago 9, Ill.

Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Phila. 44, Pa.
 Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
 Precision Fabricators, Inc., Roosevelt Rd., E. Rochester, N. Y.
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
 Western Felt Works, 4029 Ogden Ave., Chicago, Illinois
 Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington 99, Del.

GEARS—Precision

Arch Gear Works, Inc., Quincy, Mass.
ARMA CORP., 254 36th St., Brooklyn 32, N. Y. SEE ADV. PG. 220.
 Beaver Gear Works, Inc., Rockford, Ill.
 Boehme Inc., H. O., 915 Broadway, New York, N. Y.
 Foote Brothers Gear & Machine Corp., 4545 S. Western Blvd., Chicago 9, Ill.
FORD INSTRUMENT CO., INC., 31-10 Thomson Ave., L. I. City, N. Y. SEE ADV. PG. 90.
GEAR SPECIALTIES, 2635 W. Medill Ave., Chicago 47, Ill. SEE ADV. PG. 59.
 Gorrell & Gorrell, Haworth, N. J.
 Insulating Fabricators of New England, Inc., 69 Grove Street, Watertown 72, Mass.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 Perkins Machine & Gear Co., Box 1331, Springfield, Mass.
 Powdered Metal Products Corp., Franklin Park, Ill.
 Quaker City Gear Works, 1908-32 N. Front St., Philadelphia, Pa.
 Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
 Scherr Co., Inc., George, 200 Lafayette St., New York 12, N. Y.

GENERATORS—Electronic Variable Frequency

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
 Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Clarkstan Corp., 11927 W. Pico Blvd., Los Angeles 34, Calif.
 Coastwise Electronics Co., Inc., 130 N. Beaudry Ave., Los Angeles, Calif.
 Collins Radio Co., Cedar Rapids, Iowa
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Communication Measurements Lab., Inc., 120 Greenwich St., New York, N. Y.
ELECTRIC INDICATOR CO., 21 Parker Ave., Stamford, Conn. SEE ADV. PG. 136.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
EL-TRONICS INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
 Flowmeter Corp. of America, High Falls, N. Y.
 Furst Electronics, 10A S. Jefferson St., Chicago 6, Ill.
 Gates Radio Co., Quincy, Ill.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Heath Co., Benton Harbor, Mich.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Industrial Electronics & Transformer Co., 1809 E. Slauson Ave., Los Angeles 11, Calif.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 La Rose & Associates, W. T., 646 Second Ave., Troy, N. Y.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada

POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.

Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.

Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.

Radio-Television Institute, Inc., 480 Lexington Ave., New York 17, N. Y.

Scott Inc., Herman Hosmer, 385 Putnam Ave., Cambridge 39, Mass.

Short Wave Plastic Forming Co., 2921 W. Alameda St., Burbank, Calif.

SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

Thermionic Engineering Corp., Pompton Plains, N. J.

Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.

Weston Laboratories, Weston 93, Mass.

Woodwelding, Inc., 3000 W. Olive Ave., Burbank, Calif.

GENERATORS—Electronic Wave

Acme Electronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio

Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.

Clarkstan Corp., 11927 W. Pico Blvd., Los Angeles 34, Calif.

Coastwise Electronics Co., Inc., 130 N. Beaudry Ave., Los Angeles, Calif.

ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.

Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.

Lektra Labs., 30 E. 10th St., New York, N. Y.

Manufacturers Engr. & Equip. Corp., Willow Grove, Pa.

Peerless X-Ray Labs. & Mfg. Corp., 467 10th Ave., New York 18, N. Y.

POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.

Scott Inc., Herman Hosmer, 385 Putnam Ave., Cambridge 39, Mass.

Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.

SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.

Wappler, Inc., 27 W. 24th St., New York 10, N. Y.

GENERATORS—Gas-Engine Driven

Buda Co., Harvey, Ill.

Carson Machine & Supply Co., Box 4547, Oklahoma City 9, Okla.

Climax Industries, Inc., Climax Engineering Div., Clinton, Iowa

CONTINENTAL ELECTRIC CO., INC., 334 Ferry St., Newark 5, N. J. SEE ADV. PG. 224.

Cyclohm Motor Corp., Racine, Wis.

Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.

Electric Products Co., 1725 Clarkstone Rd., Cleveland 12, Ohio

Electric Specialty Co., 211 South St., Stamford, Conn.

Geophysical Instrument Co., 1820 N. Nash St., Arlington, Va.

Homelite Corp., Port Chester, N. Y.

Industrial Electronics & Transformer Co., 1809 E. Slauson Ave., Los Angeles 11, Calif.

Leland Electric Co., The, 1501 Webster St., Dayton 1, Ohio

Marble-Card Electric Co., Gladstone, Mich.

Mideo Mfg. & Distributing Co., S. 13th & Kentucky Ave., Sheyboyan, Wis.

Onan & Sons, Inc., D. W., 3264 Royalston Ave., Minneapolis 5, Minn.

Pioneer Electric Co., 3700 E. Olympic Blvd., Los Angeles 23, Calif.

Pioneer Gen-E-Motor Corp., 5841 W. Dickens Ave., Chicago 39, Ill.

Ready Power Co., The, Power Plant Div., 11231 Freud Ave., Detroit 14, Mich.

Universal Motor Co., 456 Universal Dr., Oshkosh, Wis.

GENERATORS—Hand Driven

Burke Electric Co., 12th & Cranberry Sts., Erie, Pa.

Connecticut Telephone & Electric Div., Great American Industries, 70 Britannia St., Meriden, Conn.

CONTINENTAL ELECTRIC CO., INC., 334 Ferry St., Newark 5, N. J. SEE ADV. PG. 224.

Cyclohm Motor Corp., Racine, Wis.

FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

U. S. Instrument Corp., 409 Broad St., Summit, N. J.

GENERATORS—Harmonic Frequency

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.

ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.

FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.

Lorain Products Corp., 1122 F St., Lorain, Ohio

Manufacturers Engr. & Equip. Corp., Willow Grove, Pa.

Measurement Engineering Ltd., Arnprior, Ontario, Canada

Monitor Products Co., 815 Fremont St., So. Pasadena, Calif.

POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.

REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.

Scott Inc., Herman Hosmer, 385 Putnam Ave., Cambridge 39, Mass.

Telesivo Products, Inc., 7466 W. Irving Pk. Rd., Chicago 34, Ill.

GENERATORS—Induction and Dielectric Heating

See Heating, Electronic

Telesivo Products, Inc., 7466 W. Irving Pk. Rd., Chicago 34, Ill.

GENERATORS—Motor

Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.

Allis Co., Louis, 427 E. Stewart St., Milwaukee 7, Wis.

BENDIX AVIATION CORP., Red Bank Div., Red Bank, N. J. SEE ADV. PGS. 22, 23.

Bogue Electric Mfg. Co., 52 Iowa Ave., Paterson, N. J.

Burke Electric Co., 12th & Cranberry Sts., Erie, Pa.

CARTER MOTOR CO., 2644 Maplewood Ave., Chicago 47, Ill. SEE ADV. PG. 218.

Century Electric Co., 1806 Pine St., St. Louis 3, Mo.

Columbia Electric Mfg. Co., 4519 Hamilton Ave., N. E., Cleveland 14, Ohio

CONTINENTAL ELECTRIC CO., INC., 334 Ferry St., Newark 5, N. J. SEE ADV. PG. 224.

Crocker-Wheeler Electric Mfg. Co., Div. of Joshua Hendy Corp., Ampere, N. J.

Eastern Air Devices, Inc., 585 Dean St., Brooklyn 17, N. Y.

Eicor Inc., 1501 W. Congress St., Chicago 7, Ill.

ELECTRIC INDICATOR CO., 21 Parker Ave., Stamford, Conn. SEE ADV. PG. 136.

Electric Machinery Mfg. Co., 1331 NE Tyler St., Minneapolis 13, Minn.

Electric Products Co., 1725 Clarkstone Road, Cleveland 12, Ohio

Electric Specialty Co., 211 South St., Stamford, Conn.

Gaston Power Tools, 2659 W. 95th St., Chicago 42, Ill.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

Geophysical Instrument Co., 1820 N. Nash St., Arlington, Va.

Gothard Mfg. Co., 2110 Clear Lake Ave., Springfield, Ill.

Great Lakes Electric Mfg. Co., 17 S. Desplaines St., Chicago 6, Ill.

Hertner Electric Co., 12690 Elmwood Ave., Cleveland 11, Ohio.

Homelite Corp., Port Chester, N. Y.

Industrial Electronics & Transformer Co., 1809 E. Slauson Ave., Los Angeles 11, Calif.

KOLLSMAN INSTRUMENT DIV. OF SQUARE D CO., 80-08 45th Ave., Elmhurst, N. Y. SEE ADV. PG. 36.

Leland Electric Co., The, 1501 Webster St., Dayton 1, Ohio

Marble-Card Electric Co., Gladstone, Mich.

Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.

Onan & Sons Inc., D. W., 3264 Royalston Ave., Minneapolis 5, Minn.

Small Motors, Inc., 2076 Elston Ave., Chicago 14, Ill.

Star Electric Motor Co., 200 Bloomfield Ave., Bloomfield, N. J.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Wincharger Corp., E., 7th & Division Sts., Sioux City, Iowa

GENERATORS—Pulse

Alden Products Co., 117 No. Main St., Brockton 64, Mass.

American Radio Co., 611 E. Garfield Ave., Glendale, Calif.

ATOMIC INSTRUMENTS CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.

CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. Y. SEE ADV. PG. 28.

DeMornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.

ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.

EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.

GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.

HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.

KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.

LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.

Leru Laboratories, Inc., 360 Bleecker St., New York 14, N. Y.

Manufacturers Engr. & Equip. Corp., Willow Grove, Pa.

Measurement Engineering Ltd., Arnprior, Ontario, Canada

MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.

POLARAD ELECTRONICS CO., 9 Ferry St., New York 7, N. Y. SEE ADV. PG. 228.

Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.

Radar Engineers, 110 University St., Seattle 1, Wash.

Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.

Reiner Electronics Co., 152 W. 25th St., New York, N. Y.

Rowe Engineering Corp., 2422 N. Pulaski Road, Chicago 39, Ill.

Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.

Television Equipment Corp., 238 William St., New York 7, N. Y.

Thermionic Engineering Corp., Pompton Plains, N. J.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Wilmotte Inc., Raymond M., 1469 Church St., N. W., Washington 5, D. C.

GENERATORS—Square Wave

American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
BROWNING LABS., INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
 Central Scientific Co., 1700 Irving Park Rd., Chicago 13, Ill.
 Clarkstan Corp., 11927 W. Pico Blvd., Los Angeles 34, Calif.
 Coastwise Electronic Co., Inc., 130 N. Beaudry Ave., Los Angeles, Calif.
ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Globe Products Corp., 870 Maplewood Ave., Bridgeport 5, Conn.
 Heath Co., Benton Harbor, Mich.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
 Manufacturers Engr. & Equip. Corp., Willow Grove, Pa.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
MEASUREMENTS CORP., Boonton, New Jersey. SEE ADV. PG. 110.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Reiner Electronics Co., 152 West 25th St., New York, N. Y.
 Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
TEKTRONIX, INC., 712 S. E. Hawthorne Blvd., Portland 14, Ore. SEE ADV. PG. 32.
 Thermionic Engineering Corp., Pompton Plains, N. J.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
 Weston Laboratories, Weston 93, Mass.

GENERATORS—Ultrasonic

Central Scientific Co., 1700 Irving Park Rd., Chicago 13, Ill.
CLARK CRYSTAL CO., 2 Farm Rd., Marlboro, Mass. SEE ADV. PG. 175.
 Coastwise Electronics Co., Inc., 130 N. Beaudry Ave., Los Angeles, Calif.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Crystal Research Labs., Inc., 29 Allyn St., Hartford, Conn.
 Edo Corp., College Point, Long Island, N. Y.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Manufacturers Engr. & Equip. Corp., Willow Grove, Pa.
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.
 Press Wireless Mfg. Co., Inc., Cantigue Rd., Hicksville, L. I., N. Y.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
 Televiso Products, Inc., 7466 West Irving Park Road, Chicago 34, Ill.
 Triplett & Barton, Inc., 831 N. Lake St., Burbank, Calif.
 Valpey Crystals, Highland St., Holliston, Mass.
 Vendo Co., 7400 E. 12th St., Kansas City, Mo.
 Wind Turbine Co., Tower & Antenna Div., E. Market St. & Penna. R. R., West Chester, Pa.

GENERATORS—Winddriven Generating Equipment

Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.
 Wincharger Corp., E., 7th & Division Sts., Sioux City, Iowa

GENERATORS, SIGNAL—a-f

Acme Electronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 American Electroneering Co., 2112 S. LaBrea Ave., Los Angeles, Calif.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Boehme Inc., H. O., 915 Broadway, New York, N. Y.
BOONTON RADIO CORP., Boonton, N. J. SEE ADV. PG. 61.
 Clarkstan Corp., 11927 W. Pico Blvd., Los Angeles 34, Calif.
 Clough Brengle Co., 6014 N. Broadway, Chicago, Ill.
 Coastwise Electronics Co., Inc., 130 N. Beaudry Ave., Los Angeles, Calif.
 Control Corp., 718 Central Ave., Minneapolis 14, Minn.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Heath Co., Benton Harbor, Mich.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Jackson Electrical Instrument Co., 16 S. Patterson Blvd., Dayton 1, Ohio
 M. P. Concert Installations, Fairfield 10, Conn.
 Manufacturers Engr. & Equip. Corp., Willow Grove, Pa.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Philco Corp., Tioga & C Sts., Philadelphia 34, Pa.
 Radio City Products Co., Inc., 152 W. 25th St., New York, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Reiner Electronics Co., 152 W. 25th St., New York, N. Y.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Supreme, Inc., Greenwood, Miss.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Televiso Products, Inc., 7466 West Irving Park Rd., Chicago 34, Ill.
 Tel-Instrument Co., Inc., 50 Paterson Ave., E. Rutherford, N. J.
 Triplett Electrical Instrument Co., 286 Harmon Rd., Bluffton, Ohio
 Western Electro-Acoustics Labs., 621 S. Spring St., Los Angeles 14, Calif.
 Weston Laboratories, Weston 93, Mass.

GENERATORS, SIGNAL—f-m

Acme Electronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 American Electroneering Co., 2112 S. LaBrea Ave., Los Angeles, Calif.
BOONTON RADIO CORP., Boonton, N. J. SEE ADV. PG. 61.
 Coastwise Electronics Co., Inc., 130 N. Beaudry Ave., Los Angeles, Calif.

Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Electronic Corp. of America, 353 W. 48th St., New York, N. Y.
ELECTRONIC INSTRUMENT CO., INC., 276 Newport St., Brooklyn 12, N. Y. SEE ADV. PG. 233.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
 Ferris Instrument Co., 110 Cornelia St., Boonton, N. J.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Heath Co., Benton Harbor, Mich.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Jackson Electrical Instrument Co., 16 S. Patterson Blvd., Dayton 1, Ohio
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 Manufacturers Engr. & Equip. Corp., Willow Grove, Pa.
 McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 Precision Apparatus Co., Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.
 Premier Crystal Labs., Inc., 79-89 Seventh Ave., New York 11, N. Y.
 Radio City Products Co., Inc., 152 W. 25th St., New York, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Reiner Electronics Co., 152 W. 25th St., New York, N. Y.
 Rollin Co., 2070 N. Fair Oaks Ave., Pasadena 3, Calif.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Supreme, Inc., Greenwood, Miss.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Tel-Instrument Co., Inc., 50 Paterson Ave., E. Rutherford, N. J.
 Triplett Electrical Instrument Co., 286 Harmon Road, Bluffton, Ohio
 Weston Laboratories, Weston 93, Mass.

GENERATORS, SIGNAL—r-f

American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
BOONTON RADIO CORP., Boonton, N. J. SEE ADV. PG. 61.
 Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon
 Clough Brengle Co., 6014 N. Broadway, Chicago, Ill.
 Coastwise Electronics Co., Inc., 130 N. Beaudry Ave., Los Angeles, Calif.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
ELECTRONIC INSTRUMENT CO., INC., 276 Newport St., Brooklyn 12, N. Y. SEE ADV. PG. 233.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
 Ferris Instrument Co., 110 Cornelia St., Boonton, N. J.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Heath Co., Benton Harbor, Mich.

HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Jackson Electrical Instrument Co., 16 S. Patterson Blvd., Dayton 1, Ohio
 KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
 Manufacturers Engr. & Equip. Corp., Willow Grove, Pa.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Monitor Products Co., 815 Fremont Ave., So. Pasadena, Calif.
 Northeastern Engineering Inc., Manchester, N. H. Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 Precision Apparatus Co., Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.
 Premier Crystal Labs., Inc., 79-89 Seventh Ave., New York 11, N. Y.
 Radio City Products Co., Inc., 152 W. 25th St., New York, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
 Reiner Electronics Co., 152 W. 25th St., New York, N. Y.
 Rollin Co., 2070 N. Fair Oaks Ave., Pasadena 3, Calif.
 Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.
 Supreme, Inc., Greenwood, Miss.
 Tel-Instrument Co., Inc., 50 Paterson Ave., E. Rutherford, N. J.
 Triplett Electrical Instrument Co., 286 Harmon Rd., Bluffton, Ohio
 Weston Laboratories, Weston 93, Mass.
 Wheeler Labs., Inc., 259-09 Northern Blvd., Great Neck, N. Y.

GENERATORS, SIGNAL—shf

BOONTON RADIO CORP., Boonton, N. J. SEE ADV. PG. 61.
 Coastwise Electronic Co., Inc., 130 N. Beaudry Ave., Los Angeles, Calif.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.
 Manufacturers Engr. & Equip. Corp., Willow Grove, Pa.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Tel-Instrument Co., Inc., 50 Paterson Ave., E. Rutherford, N. J.
 Weston Laboratories, Weston 93, Mass.
 Wheeler Labs., Inc., 259-09 Northern Blvd., Great Neck, N. Y.

GENERATORS, SIGNAL—Sweeping

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Clarkstan Corp., 11927 W. Pico Blvd., Los Angeles 34, Calif.
 Clough Brengle Co., 6014 N. Broadway, Chicago, Ill.
 Coastwise Electronics Co., Inc., 130 N. Beaudry Ave., Los Angeles, Calif.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Electronic Corp. of America, 353 W. 48th St., New York, N. Y.
ELECTRONIC INSTRUMENT CO., INC., 276 Newport St., Brooklyn 12, N. Y. SEE ADV. PG. 233.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.

Harvey Radio Labs., Inc., 447 Concord Ave., Cambridge, Mass.
 Heath Co., Benton Harbor, Mich.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Jackson Electrical Instrument Co., 16 S. Patterson Blvd., Dayton 1, Ohio
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.
 Manufacturers Engr. & Equip. Corp., Willow Grove, Pa.
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Measurement Engineering Ltd., Arnprior, Ont., Can.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Precision Apparatus Co., Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.
 Radio City Prods. Co., Inc., 152 W. 25th St., New York 1, N. Y.
 Reiner Electronic Co., 152 W. 25th St., New York 1, N. Y.
 Selector Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Tel-Instrument Co., Inc., 50 Paterson Ave., E. Rutherford, N. J.
 Thermionic Engineering Corp., Pompton Plains, N. J.
TRANSVISION INC., 460 North Ave., New Rochelle, N. Y. SEE ADV. PG. 172.

GENERATORS, SIGNAL—Television Synchronizing

DuMont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J.
 Electronic Corp. of America, 353 W. 48th St., New York, N. Y.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
 Federal Engineering Co., 37 Murray St., New York 7, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 121, 131, 133, 135.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Jackson Electrical Instrument Co., 16 S. Patterson Blvd., Dayton 1, Ohio
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
POLARAD ELECTRONICS CO., 9 Ferry St., New York 7, N. Y. SEE ADV. PG. 228.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
 Reiner Electronics Co., 152 W. 25th St., New York, N. Y.
 Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.
 Tequip Radio Co., 1901 S. Washtenaw, Chicago, Ill.
 Television Equipment Corp., 238 William St., New York 7, N. Y.
 Television Projects, Inc., 3660 Coral Way, Miami 35, Fla.
 Tel-Instrument Co., Inc., 50 Paterson Ave., E. Rutherford, N. J.
 U. S. Television Mfg. Corp., 3 W. 61st St., New York 23, N. Y.

GENERATORS, SIGNAL—uhf

Aircraft Radio Corp., Boonton, N. J.
 American Electronizing Co., 2112 S. La Brea Ave., Los Angeles, Calif.
BOONTON RADIO CORP., Boonton, N. J. SEE ADV. PG. 61.
BROWNING LABS., INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.

Electronic Corp. of America, 353 W. 48th St., New York, N. Y.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
 Espey Mig. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
 Ferris Instrument Co., 110 Cornelia St., Boonton, N. J.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Jackson Electrical Instrument Co., 16 S. Patterson Blvd., Dayton 1, Ohio
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Precision Apparatus Co., Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
 Rollin Co., 2070 N. Fair Oaks Ave., Pasadena 3, Calif.
 Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

GENERATORS, SIGNAL—vhf

Airborne Instruments Lab., Inc., 160 Old Country Road, Mineola, N. Y.
 American Electronizing Co., 2112 S. LaBrea Ave., Los Angeles, Calif.
BOONTON RADIO CORP., Boonton, N. J. SEE ADV. PG. 61.
 DeMornay-Budd, Inc., 475 Grand Concourse, New York 51, N. Y.
 Electronic Corp. of America, 353 W. 48th St., New York, N. Y.
 Espey Mig. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
 Ferris Instrument Co., 110 Cornelia St., Boonton, N. J.
 Heath Co., Benton Harbor, Mich.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
 Reiner Electronic Co., 152 W. 25th St., New York, N. Y.
 Rollin Co., 2070 N. Fair Oaks Ave., Pasadena 3, Calif.
 Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.

GEOPHYSICAL APPARATUS

American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.

CENTURY GEOPHYSICAL CORP., Tulsa 3, Okla. *SEE ADV. PG. 164.*
 Development Engineering Co., Inc., The, 1818 Ashland St., Houston 8, Texas.
 Edin Electronics Co., 207 Main St., Worcester, Mass.
EL-TRONICS INC., 2647 No. Howard St., Phila. 33, Pa. *SEE ADV. PG. 189.*
 Engineering Lab., Inc., 602 E. 4th St., Tulsa 3, Okla.
 Engineering Research Corp., Shreveport, La.
 Geophysical Instrument Co., 1820 N. Nash St., Arlington, Va.
 Globe Phone Mfg. Co., 2 Linden St., Reading, Mass.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. *SEE ADV. PG. 215.*
 Lectronic Research Labs., 1021 Callowhill St., Phila. 23, Pa.
 Miller Corp., Wm., 362 W. Colorado St., Pasadena, Calif.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Radio Inventions, Inc., 155 Perry St., New York 14, N. Y.
 Radiation Counter Labs., Inc., 1844 W. 21 St., Chicago 8, Ill.
 Research Electronics Lab., 2459 Susquehanna Rd., Roslyn, Pa.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas

GETTERS

See Tube Parts

GLASS

See Insulation Materials

GLASS BONDED MICA

See Insulation Materials

GLASS FIBRE

See Insulation Materials

GLASS—Metal-to-Glass Seals

See SEALS—Metal-to-Glass

GRAPHIC RECORDING INSTRUMENTS

See Instruments, Graphic Recording

GRAPHITE—Colloidal

Acheson Colloids Corp., Port Huron, Mich.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Grafo Colloids Corp., Sharon, Pa.
 Superior Flake Graphite Co., 33 S. Clark St., Chicago 3, Ill.

GRIDS AND GRID SUPPORTS

See Tube Parts

GRILLES—Metal

Barber Colman Co., Rockford, Ill.
 Croname, Inc., 3701 Ravenswood Ave., Chicago, Ill.
 Flock Process Co., Velvetone Div., 3 Quincy St., Norwalk, Conn.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
KARP METAL PRODUCTS CO., INC., 215 63rd St., Brooklyn 20, N. Y. *SEE ADV. PG. 50.*
 Kirk & Blum Mfg. Co., 2893 Spring Grove Ave., Cincinnati 25, Ohio
 REF Mfg. Corp., Jericho Turnpike, Mineola, N. Y.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Sperman Metal Specialties, 27 Columbia Place, Brooklyn 2, N. Y.
WALTER CO., S., 1400 Atlantic Ave., Brooklyn 16, N. Y. *SEE ADV. PG. 173.*
WEISS, JERRY L., 21 Plandome Rd., Manhasset, L. I., N. Y. *SEE ADV. PG. 218.*

GRILLES—Molded Plastic

American Communications Corp., 306 Broadway, New York 7, N. Y.
 American Hard Rubber Co., 11 Mercer St., New York 13, N. Y.
 American Insulator Corp., New Freedom, Pa.
 Chicago Die Mold Mfg. Co., 4001 Wrightwood Ave., Chicago 39, Ill.
ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. *SEE ADV. PG. 109.*
 Felsenthal & Sons, Inc., G., 4100 W. Grand Ave., Chicago 51, Ill.
 Insulation Mfg. Co., 11 New York Ave., Brooklyn, N. Y.
 Kuhn & Jacob Molding & Tool Co., 1200 Southard St., Trenton, N. J.
 Norton Labs., Inc., Lockport, N. Y.
 Searle Aero Industries, Inc., Orange, Calif.
 Shaw Insulator Co., 160 Coit St., Irvington 11, N. J.
 Stokes Molded Products, Inc., Taylor St. at Webster, Trenton, N. J.
 Waterbury Companies, Inc., Waterbury 90, Conn.
 Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Phila. 31, Pa.

GRILLES—Speaker

American Communications Corp., 306 Broadway, New York 7, N. Y.
CINAUDAGRAPH SPEAKERS INC., Div. of Aireon Mfg. Corp., 1401 Fairfax Trafficway, Kansas City, Kansas. *SEE ADV. PG. 62.*
 Croname, Inc., 3701 Ravenswood Ave., Chicago, Ill.
 Felsenthal & Sons, Inc., G., 4100 W. Grand Ave., Chicago 51, Ill.
 Flock Process Co., Velvetone Div., 3 Quincy St., Norwalk, Conn.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Precision Fabricators, Inc., Roosevelt Rd. E., Rochester, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. *SEE ADV. PGS. 197, Inside Back & Back Covers.*
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Searle Aero Industries, Inc., Orange, Calif.
 Shaw Insulator Co., 160 Coit St., Irvington 11, N. J.

GROMMETS

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
AMERICAN LAVA CORP., Chattanooga 5, Tenn. *SEE ADV. PG. 97.*
 Auburn Mfg. Co., Middletown, Conn.
 Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
 Carby Mfg. Co., Inc., 62 Cottage Place, Waterbury 5, Conn.
CENTRALAB DIV. of Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wis. *SEE ADV. PGS. 26, 27.*
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Dzus Fastener Co., Inc., Box 785, Babylon, N. Y.
 Federal Screw Products, Inc., 224 W. Huron St., Chicago 10, Ill.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Gordon Specialties Co., 542 S. Dearborn St., Chicago 5, Ill.
HEYMAN MFG. CO., 300 Michigan Ave., Kenilworth, N. J. *SEE ADV. PG. 222.*
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. *SEE ADV. PG. 112.*
 Mayfair Molded Products Corp., 4440 N. Elston Ave., Chicago 30, Ill.
 Mines Equipment Co., 4235 Clayton Ave., St. Louis, Mo.
 Mykroy Inc., Arlington Hts. Airport, Arlington Hts., Ill.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. *SEE ADV. PG. 117.*
 Parisian Novelty Co., 3510 South Western Ave., Chicago 9, Ill.
 Precision Fabricators, Inc., Roosevelt Rd., East Rochester, N. Y.
 Radiocrafters, 1156 Commonwealth Ave., Boston 34, Mass.

Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Sheffco Mfg. Co., 116 W. Ruby Ave., Palisades Park, N. J.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Spaulding Fibre Co., Inc., 310 Wheeler St., Tonawanda, N. Y.
 Stimpson Co., Inc., Edwin B., 74 Franklin Ave., Brooklyn 5, N. Y.
 United Carr Fastener Corp., Cambridge 42, Mass.
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
 Waterbury Companies, Inc., Waterbury 90, Conn.
 Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington 99, Del.

GROMMETS—Fibre

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Auburn Mfg. Co., Middletown, Conn.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Delaware. *SEE ADV. PGS. 119-122.*
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. *SEE ADV. PG. 117.*
 Rogers Corp., Manchester, Conn.
 Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington 99, Del.

GUIDES—Coil Wind

Alden Products Co., 117 N. Main St., Brockton 64, Mass.
 Askania Regulator Co., 240 E. Ontario St., Chicago 11, Ill.
CENTRALAB DIV. of Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wis. *SEE ADV. PGS. 26, 27.*
 Gatti, Inc., Aurele M., 524 E. Washington St., Trenton, N. J.
 Magnetic Products Corp., The, Norwalk, Conn.

GUIDES, WAVE

See Microwave Transmission Lines and Accessories

HARNESSES—Wire

See Also Cable Assemblies

Aircraft-Marine Products, Inc., 1523 N. Fourth St., Harrisburg, Pa.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Electric Cable Co., Holyoke, Mass.
 American Electroengineering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 American Electronics Corp., 226 N. Fourth St., Columbus, Ohio
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. *SEE ADV. PG. 167.*
 Belden Mfg. Co., 4649 W. Van Buren St., Chicago 44, Ill.
 Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.
 Branston Electric Mfg. Co., 61-65 Gill Pl., Buffalo 13, N. Y.
 Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Cords Ltd., 780 Frelinghuysen Ave., Newark 5, N. J.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 Eastern Specialty Co., Philadelphia 40, Pa.
 Electric Auto-Lite Co., The, Toledo 1, Ohio
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Essex Wire Corp., 1601 Wall St., Ft. Wayne 6, Ind.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City 1, N. Y.
 General Insulated Wire Works, Inc., 69 Gordon Ave., Providence 5, R. I.

Haft & Sons, Inc., 79 Third St., Brooklyn 31, N. Y.
 Industrial Products Co., Danbury, Conn.
 Interstate Mfg. Corp., 138 Sussex Ave., Newark 4, N. J.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Kraft & Kraft, Hicksville, N. Y.
 Kulka Electric Mfg. Co., Inc., 30 South St., Mt. Vernon, N. Y.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Network Mfg. Corp., Bayonne, N. J.
 Phalo Plastics Corp., 25 Foster St., Worcester 8, Mass.
 Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Rostan Corp., 202 E. 44th St., New York 17, N. Y.
 Scintilla-Magneto Div., Bendix Aviation Corp., Sidney, N. Y.
 Searle Aero Industries, Inc., Orange, Calif.
 Sittler Corporation, 18 N. Ada St., Chicago 7, Ill.
 Skaneateles Mfg. Co., Inc., 122 Dickerson St., Syracuse 2, N. Y.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Tayburn Equipment Co., 120 Greenwich St., New York 6, N. Y.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 Whittaker Cable Corp., Kansas City 16, Mo.

HEADPHONES & HEADSETS

Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Cannon Co., C. F., Springwater, N. Y.
 Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.
 Flight Research Engineering Corp., P. O. Box 1-F, Richmond 1, Va.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Murdock Mfg. Co., Wm. J., Chelsea, Mass.
 National Electronic Mfg. Corp., 35-05 36th St., Long Island City 5, N. Y.
PERMOFLUX CORP., 4900 W. Grand Ave., Chicago, Ill. SEE ADV. PG. 230.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Tayburn Equipment Co., 120 Greenwich St., New York 6, N. Y.
TELEX INC., Telex Park, Minneapolis 1, Minn. SEE ADV. PG. 170.
 Telephonics Corp., 350 West 31st St., New York, N. Y.
 Trimm, Inc., 400 W. Lake St., Libertyville, Ill.
 U. S. Instrument Corp., 409 Broad St., Summit, N. J.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

HEADS—Recording

Allied Recording Products Co., 21-09 43rd Ave., Long Island City, N. Y.
 Astatic Corp., The, Conneaut, Ohio
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Duotone Co., 799 Broadway, New York, N. Y.
 Fairchild Recording Equipment Corp., 154th St. & 7th Ave., Whitestone, N. Y.
INDIANA STEEL PRODUCTS CO., 6 N. Michigan Ave., Chicago 2, Ill. SEE ADV. PG. 198.

Lear, Inc., 110 Ionia Ave., N. W., Grand Rapids 2, Mich.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
PRESTO RECORDING CORP., Paramus, N. J. SEE ADV. PGS. 40, 41.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Webster Engineering Co., 105 Tenth St., N. E., Cedar Rapids, Iowa
 Zephyr Products Co., 160 E. 116th St., New York 29, N. Y.

HEARING AID ANALYZERS

International Instruments, Inc., 331 East St., New Haven 11, Conn.
 Tech Laboratories, Inc., Bergen & Edsall Blvds., Palisades Park, N. J.
 Vacolite Co., 3001-3003 N. Henderson, Dallas, Texas
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

HEARING AID BATTERIES

BOND ELECTRIC CORP., Div. of Olin Industries, Inc., New Haven, Conn. SEE ADV. PG. 212.
 General Dry Batteries, Inc., 13000 Athens Ave., Cleveland, Ohio
 Globe Phone Mfg. Co., 2 Linden St., Reading, Mass.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 Marathon Battery Co., Wausau, Wis.
NATIONAL CARBON CO., INC., Unit of Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y. SEE ADV. PG. 57.
 Olin Industries, Inc., Electrical Div., New Haven 4, Conn.
 Winchester Repeating Arms Co., Div. Olin Industries, Inc., New Haven, Conn.

HEARING AID CHOKES

BOND ELECTRIC CORP., Div. of Olin Industries, Summit, N. J. SEE ADV. PG. 212.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y.
 Magnetic Products Corp., The, Norwalk, Conn.
 Microtone Co., Ford Parkway on the Mississippi, St. Paul 5, Minn.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156.
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.
PERMOFLUX CORP., 4900 W. Grand Ave., Chicago, Ill. SEE ADV. PG. 230.
STANDARD TRANSFORMER CORP., Elston, Kedzie & Addison, Chicago 18, Ill. SEE ADV. PG. 207.
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.
 Vacolite Co., 3001-3003 N. Henderson, Dallas, Tex.
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

HEARING AID CONNECTORS

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
BRUSH DEVELOPMENT CO., THE, 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.

CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
 Eby, Inc., Hugh H., 4700 Stenton Ave., Philadelphia 44, Pa.
HERMETIC SEAL PRODUCTS CO., 29-37 S. 6th St., Newark, N. J. SEE ADV. PG. 223.
 Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.

HEARING AID MICROPHONES

Astatic Corp., The, Conneaut, Ohio
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
BRUSH DEVELOPMENT CO., THE, 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Globe Phone Mfg. Co., 2 Linden St., Reading, Mass.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
PERMOFLUX CORP., 4900 W. Grand Ave., Chicago, Ill. SEE ADV. PG. 230.
 Tibbets Industries, Inc., Camden, Maine

HEARING AID RECEIVERS

BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Globe Phone Mfg. Co., 2 Linden St., Reading, Mass.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Murdock Mfg. Co., Wm. J., Chelsea, Mass.
TELEX INC., Telex Park, Minneapolis 1, Minn. SEE ADV. PG. 170.
 Tibbets Industries, Inc., Camden, Me.

HEARING AID TRANSFORMERS

Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa.
AUDIO DEVELOPMENT CO., 2833 13th Avenue, S., Minneapolis 7, Minn. SEE ADV. PG. 94.
 Chicago Electronic Engineering Co., 3223 W. Armitage Ave., Chicago 47, Ill.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
 Ensign Coil Co., 2516 S. Pulaski Rd., Chicago, Ill.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
FREED TRANSFORMER CO., 1736 Weirfield St., Brooklyn 27, N. Y. SEE ADV. PG. 53.
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y.
 Magnetic Products Corp., The, Norwalk, Conn.
 Microtone Co., Ford Parkway on the Mississippi, St. Paul 5, Minn.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156.
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.
 Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
PERMOFLUX CORP., 4900 W. Grand Ave., Chicago, Ill. SEE ADV. PG. 230.
 Standard Electrical Products Co., Dayton 3, Ohio
STANDARD TRANSFORMER CORP., Elston, Kedzie & Addison, Chicago 18, Ill. SEE ADV. PG. 207.
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PGS. 142, 143.
TELEX, INC., Telex Park, Minneapolis 1, Minn. SEE ADV. PG. 170.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill.
 Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif.

UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.
 Vacolite Co., 3001-3003 N. Henderson, Dallas, Texas
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.
 Wilder Mfg. Corp., 3569 Fullerton Ave., Chicago 47, Ill.

HEARING AID TUBES

See Tubes—Hearing Aid

HEARING AIDS

Allen-Howe Electronics Corp., Peabody, Mass.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Globe Phone Mfg. Corp., 2 Linden St., Reading, Mass.
 Hofmann Corp., C. L., 436 Blvd. of The Allies, Pittsburgh 19, Pa.
 Laurehk Radio Mfg. Co., 3931 Monroe Ave., Wayne, Mich.
 Maico Co., Inc., 25 North 3rd St., Minneapolis, Minn.
 Microtone Co., Ford Parkway on the Mississippi, St. Paul 5, Minn.
 Modern Hearing Aids Laboratory, The, 2076 Kingsway, Vancouver, Canada
 Myers & Sons, E. A., Radioear Bldg., Beverly Rd., Pittsburgh 16, Pa.
 Paravox, Inc., 2056 East 4th St., Cleveland 15, Ohio
 Schulmerich Electronics, Inc., Sellersville, Pa.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Sonotone Corp., P. O. Box 200, Saw Mill River Road, Elmsford, N. Y.
 Taybern Equipment Co., 120 Greenwich St., New York 6, N. Y.
 TELEX, INC., Telex Park, Minneapolis 1, Minn. SEE ADV. PG. 170.
 Triumm Inc., 400 W. Lake St., Libertyville, Ill.
 Vacolite Co., 3001-3003 N. Henderson, Dallas, Texas
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Zenith Radio Corp., 6001 Dickens Ave., Chicago 39, Ill.

HEATING, ELECTRONIC—Accessories and Associated Equipment

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
 Eastern Metals Industries, 250 W. 54th St., New York 19, N. Y.
 EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
 GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Girdler Corp., Thermex Div., 224 E. Broadway, Louisville 1, Ky.
 Induction Heating Corp., 181 Wythe Ave., Brooklyn 11, N. Y.
 Lapp Insulator Co., Inc., 31 Gilbert St., Le Roy, N. Y.
 La Rose & Associates, W. T., 646 Second Ave., Troy, N. Y.
 Lepel High Frequency Labs., Inc., 39 West 6th St., New York 23, N. Y.
 MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
 Minneapolis-Honeywell Regulator Co., 2753 4th Ave., S. Minneapolis, Minn.
 RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Searle Aero Industries, Inc., Orange, Calif.
 Sherman Industrial Electronics Co., Inc., 505 Washington Ave., Belleville 9, N. J.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 SUPERIOR ELECTRIC CO., THE, 83 Laurel St., Bristol, Conn. SEE ADV. PGS. 142, 143.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
 TITFLEX, INC., 500 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 231.

United Insulator Co., Ltd., Tolworth-Surbiton-Surrey, England
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Whiteman, R. A., 630 N. Wisner Ave., Park Ridge, Ill.

HEATING, ELECTRONIC—Dielectric

Airtronics Mfg. Co., 5145 W. San Fernando Rd., Los Angeles 26, Calif.
 Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
 Electric Eye Equipment Co., 16 W. Fairchild St., Danville, Ill.
 GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Girdler Corp., Thermex Div., 224 E. Broadway, Louisville 1, Ky.
 Induction Heating Corp., 181 Wythe Ave., Brooklyn 11, N. Y.
 Inductive Equipment Co., Gettysburg, Pa.
 La Rose & Associates, W. T., 646 Second Ave., Troy, N. Y.
 Lepel High Frequency Labs., Inc., 39 West 6th St., New York 23, N. Y.
 Lyman Electronic Corp., 12 Cass St., Springfield, Mass.
 Molded Insulation Co., Aircraft Control Div., 335 Price St., Phila., Pa.
 RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
 RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 "S" CORRUGATED QUENCHED GAP CO., Scientific Electric Div., 107 Monroe St., Garfield, N. J. SEE ADV. PG. 161.
 Searle Aero Industries, Inc., Orange, Calif.
 Sherman Industrial Electronics Co., Inc., 505 Washington Ave., Belleville 9, N. J.
 Spectrum Mfg. Co., 540 N. 63rd St., Phila. 31, Pa.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Thermionic Engineering Corp., Pompton Plains, N. J.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
 Weltron Co., 19500 West 8 Mile Rd., Detroit 19, Mich.
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

HEATING, ELECTRONIC—Induction

Ajax Electrothermic Corp., Ajax Park, Trenton, N. J.
 Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
 CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
 Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
 Eastern Metals Industries, 250 W. 54th St., New York 19, N. Y.
 Ecco High Frequency Corp., 7020 Hudson Blvd., North Bergen, N. J.
 Electric Furnace Co. Salem, Ohio
 GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Induction Heating Corp., 181 Wythe Ave., Brooklyn 11, N. Y.
 Inductive Equipment Co., Gettysburg, Pa.
 Lepel High Frequency Labs., Inc., 39 West 6th St., New York 23, N. Y.
 Lyman Electronic Corp., 12 Cass St., Springfield, Mass.
 Ohio Crankshaft Co., Tocco Div., 3800 Harvard Ave., Cleveland 1, Ohio
 RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.

"S" CORRUGATED QUENCHED GAP CO., Scientific Electric Div., 107 Monroe St., Garfield, N. J. SEE ADV. PG. 161.
 Searle Aero Industries, Inc., Orange, Calif.
 Sherman Industrial Electronics Co., Inc., 505 Washington Ave., Belleville 9, N. J.
 Sheboygan X-Ray Co., 1135 Indiana St., Sheboygan, Wis.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Weltron Co., 19500 West 8 Mile Rd., Detroit 19, Mich.
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

HEMOGLOBINOMETER—Electronic

Farrand Optical Co., Inc., Bronx Blvd. at 238th St., New York 66, N. Y.
 Fisher Scientific Co., 717 Forbes St., Pittsburgh 19, Pa.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.

HOLDERS, CRYSTAL

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 BLILEY ELECTRIC CO., Union Station Bldg., Erie, Pa. SEE ADV. PG. 91.
 Breon Labs., 1520 Evergreen Rd., Williamsport, Pa.
 Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
 Burnett Radio Lab., Wm. W. L., 4814 Idaho St., San Diego, Calif.
 CENTRALAB, DIV. of Globe Union Inc., 900 Keeffe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.
 CLARK CRYSTAL CO., 2 Farm Rd., Marlboro, Mass. SEE ADV. PG. 175.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Crowley & Co. Inc., Henry L., 1 Central Ave., West Orange, N. J.
 Dallons Labs., 5066 Santa Monica Blvd., Los Angeles, Calif.
 Eby Inc., Hugh H., 4700 Stenton Ave., Philadelphia 44, Pa.
 Elm Laboratories, 18 South Broadway, Dobbs Ferry, N. Y.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 Gasket Engineering Co., 2440 Charlotte St., Kansas City 8, Mo.
 General Ceramics & Steatite Corp., Keasbey, N. J.
 HERMETIC SEAL PRODUCTS CO., 29-37 So. 6th St., Newark, N. J. SEE ADV. PG. 223.
 Hollister Crystal Co., Boulder, Colo.
 Howard Mfg. Co., 1401 S. Main St., Council Bluffs, Iowa
 Industrial Products Co., Danbury, Conn.
 INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Knights Co., James, 131 S. Wells St., Sandwich, Ill.
 Miller, August E., 9226 Hudson Blvd., North Bergen, N. J.
 Multi-Products Tool Co., 123 Sussex Ave., Newark 4, N. J.
 Mykroy Inc., Arlington Heights Airport, Arlington Heights, Ill.
 Nebel Lab., R. E., 1104 Lincoln Place, Brooklyn 13, N. Y.
 Petersen Radio Co., Inc., 2800 W. Broadway, Council Bluffs, Iowa
 Precision Piezo Service, 427 Mayflower St., Baton Rouge, La.
 Premier Crystal Labs., Inc., 79-89 Seventh Ave., New York 11, N. Y.
 Radio Specialty Mfg. Co., 2023 S. E. 6 Ave., Portland 14, Oregon
 Scientific Radio Prods. Co., 738 W. Broadway, Council Bluffs, Iowa
 Scientific Radio Service, 4301 Sheridan St., University Park, Md.
 SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Standard Crystal Co., 321 East Gregory, Kansas City 5, Mo.
 Standard Piezo Co., 127 Cedar St. Carlisle, Pa.

STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Westline Electronics Co., 11660 Olympic Blvd., Los Angeles 25, Calif.

HOODS—Viewing

Du Mont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J.

HORNS—Speaker Projector

Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
 Atlas Sound Corp., 1443 39th St., Brooklyn 18, N. Y.
 Castlewood Mfg. Co., 12th & Burnett Sts., Louisville, Ky.
 Commercial Radio Sound Corp., 575 Lexington Ave., New York 22, N. Y.
 Dilks Co., Seymour, Conn.
 Hawley Products Co., St. Charles, Ill.
 Jensen Mfg. Co., 6601 S. Laramie Ave., Chicago 38, Ill.
 Kling Metal Spinning Co., 174 Centre St., New York 13, N. Y.
 Klipsch & Associates, Hope, Arkansas
 Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
 Rauland-Borg Corp., 4245 N. Knox Ave., Chicago 41, Ill.
 SOS Cinema Supply Corp., 602 W. 52 St., New York 19, N. Y.
 Stephens Mfg. Corp., 8538 Warner Drive, Culver City, Calif.
 Stromberg-Carlson Co., Rochester, N. Y.
 Teiner Engineering Corp., 115 Madison St., Malden 48, Mass.
 University Loudspeakers Inc., 80 S. Kensico Ave., White Plains, N. Y.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

HOUSINGS—Antenna

Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.
 Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
 Skydyne Inc., River Rd., Port Jervis, N. Y.

HOUSINGS—Automobile Radio

FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Felsenthal & Sons, Inc., G., 4100 W. Grand Ave., Chicago 51, Ill.
 Hawley Products Co., St. Charles, Ill.
 Insulation Mfg. Co., 11 New York Ave., Brooklyn, N. Y.

HOUSINGS—Instrument

ART-LLOYD METAL PRODUCTS CORP., 2973 Cropsey Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.
BOONTON MOLDING CO., Boonton, N. J. SEE ADV. PG. 61.
 Castlewood Mfg. Co., 12th & Burnett Sts., Louisville, Ky.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Eclipse Mfg. Co., Inc., 294 E. 137th St., New York 54, N. Y.
 Falstrom Co., 44 Falstrom Court, Passaic, N. J.
 Felsenthal & Sons, Inc., G., 4100 W. Grand Ave., Chicago 51, Ill.
 Insulation Mfg. Co., 11 New York Ave., Brooklyn, N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., L. I. City, N. Y. SEE ADV. PG. 80.

KARP METAL PRODUCTS CO., INC., 215 63rd St., Brooklyn 20, N. Y. SEE ADV. PG. 50.
 Kirk & Blum Mfg. Co., 2893 Spring Grove Ave., Cincinnati 25, Ohio
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
 Sanders Bros. Mfg. Co., 409 W. Main St., Ottawa, Ill.
 Stamford Metal Specialty Co., Inc., 429 W. Broadway, New York 12, N. Y.
WALTER CO., S., 1400 Atlantic Ave., Brooklyn 16, N. Y. SEE ADV. PG. 173.
 Waterbury Companies, Inc., Waterbury 90, Conn.
WEISS, JERRY L., 21 Plandome Rd., Manhasset, L. I., N. Y. SEE ADV. PG. 218.
 Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Phila. 31, Pa.

HOUSINGS—Public Address System

American Communications Corp., 306 Broadway, New York 7, N. Y.
 Atlas Sound Corp., 1443 39th St., Brooklyn 18, N. Y.
 Bogen Co., David, 663 Broadway, New York 12, N. Y.
 Castlewood Mfg. Co., 12th & Burnett Sts., Louisville, Ky.
 Catalin Corp. of America, 1 Park Ave., New York 16, N. Y.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Hawley Products Co., St. Charles, Ill.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
KARP METAL PRODUCTS CO., INC., 215 63rd St., Brooklyn 20, N. Y. SEE ADV. PG. 50.
 Kling Metal Spinning Co., 174 Centre St., New York 13, N. Y.
 Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
 Measurement Engineering Ltd., Arnprior, Ontario Canada
 Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City 3, N. Y.
 Stark Sound Engineering Co., 2131 Fairfield, Fort Wayne 7, Ind.
 Stephens Mfg. Corp., 8538 Warner Drive Culver City, Calif.
WALTER CO., S., 1400 Atlantic Ave., Brooklyn 16, N. Y. SEE ADV. PG. 173.
WEISS, JERRY L., 21 Plandome Rd., Manhasset, L. I., N. Y. SEE ADV. PG. 218.

HOUSINGS—Speaker

Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
ART-LLOYD METAL PRODS., CORP., 2973 Cropsey Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.
 Atlas Sound Corp., 1443 39th St., Brooklyn 18, N. Y.
BUD RADIO INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
 Collins Audio Products Co., P. O. Box 368, Westfield, N. J.
 Colgate Mfg. Corp., Lindenhurst, L. I., N. Y.
 Commercial Radio Sound Corp., 575 Lexington Ave., New York 22, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hawley Products Co., St. Charles, Ill.
 Heath Co., Benton Harbor, Mich.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Jensen Mfg. Co., 6601 S. Laramie Ave., Chicago 38, Ill.
KARP METAL PRODUCTS CO., INC., 215 63rd St., Brooklyn 20, N. Y. SEE ADV. PG. 50.

Kling Metal Spinning Co., 174 Centre St., New York 13, N. Y.
 Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
NATIONAL CO., INC., 61 Sherman Street, Malden 48, Mass. SEE ADV. PGS. 105-108.
 Oxford Radio Corp., 3911 S. Michigan Ave., Chicago 15, Ill.
 Paul & Beekman Inc., 1801 Cortland St., Phila. 40, Pa.
 Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
 Rauland-Borg Corp., 4245 N. Knox Ave., Chicago 41, Ill.
 Searle Aero Industries, Inc., Orange, Calif.
 Simpson Mfg. Co., Inc., 32-28 49th St., Long Island City 3, N. Y.
 Stephens Mfg. Corp., 8538 Warner Drive, Culver City, Calif.
 Teiner Engineering Corp., 115 Madison St., Malden 48, Mass.
 University Loudspeakers, Inc., 80 S. Kensico Ave., White Plains, N. Y.
WALTER CO., S., 1400 Atlantic Ave., Brooklyn 16, N. Y. SEE ADV. PG. 173.
WEISS, JERRY L., 21 Plandome Rd., Manhasset, L. I., N. Y. SEE ADV. PG. 218.

IGNITION SYSTEMS—Electronic

Electric Auto-Lite Co., The, Toledo 1, Ohio
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Scintilla-Magneto Div., Bendix Aviation Corp., Sidney, N. Y.

IGNITRON

See Tubes

IMPREGNATING COMPOUNDS

See Insulating Compounds

IMPREGNATING MACHINES

See Machines

IMPREGNATING WAX

PRODUCTION ENGINEERING CO., 173 Sargeant Ave., Clifton, N. J. SEE ADV. PG. 212.

INDICATORS—Antenna Position

Alfax Paper & Engineering Co., 40 Riverside Ave., Brockton 27 E. B., Mass.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.
 Johnson Co., E. F., Waseca, Minn.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
 Servo-Tek Products Co., 4 Godwin Ave., Paterson, N. J.
 Wilson & Co., G. C., 2 N. Passaic Ave., Chatham, N. J.

INDICATORS—Automatic Mixture Control

O'Connor & Co., John T., West Orange, N. J.

INDICATORS—Capacitor Leakage

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Conant Labs., 6500 O St., Lincoln 5, Neb.
CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., S. Plainfield, N. J. SEE ADV. PG. 87.
 Electric Heat Control Co., The, 9123 Inman Ave., Cleveland 5, Ohio
 Heath Co., Benton Harbor, Mich.
 Industrial Instruments Inc., 17 Pollack Ave., Jersey City 5, N. J.
 McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
 National Technical Labs., 820 Mission St., South Pasadena, Calif.

Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
 Weston Laboratories, Weston 93, Mass.

INDICATORS—Detonation Indicators & Meters

Electro Products Labs., Inc., 549 W. Randolph St., Chicago 6, Ill.
 Photocon Research Products, 1062 N. Allen Ave., Pasadena 7, Calif.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

INDICATORS—Density

See Indicators, Specific Gravity

INDICATORS—Dew Point

Foxboro Co., The, Foxboro, Mass.

INDICATORS—Dielectric Constant

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.

INDICATORS—Film Thickness

American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Automatic Temperature Control Co., Inc., 5212 Pulaski Ave., Phila. 44, Pa.
 Branson Instruments, Inc., 436 Fairfield Ave., Stamford, Conn.
 Gardner Lab., Inc., Henry A., 4723 Elm St., Bethesda 14, Md.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
 Weston Laboratories, Weston 93, Mass.

INDICATORS—Fluid Conductivity

Brinnell Co., The, Granby, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Phila. 44, Pa.
 Foxboro Co., The, Foxboro, Mass.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.

INDICATORS—Fluid Flow

ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Autocall Co., The, Shelby, Ohio
 Bailey Meter Co., 1044 Ivanhoe Road, Cleveland 10, Ohio
 Brinnell Co., The, Granby, Conn.
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Phila. 44, Pa.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Flowmeter Corp. of America, High Falls, N. Y.
 Foxboro Co., The, Foxboro, Mass.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S. Minneapolis, Minn.
 Sheffield Corp., The, Dayton 1, Ohio

INDICATORS—Frequency

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.

Crystal Devices Co., Inc., 50 Mill Rd., Freeport, N. Y.
 Heath Co., Benton Harbor, Mich.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
 Sheffield Corp., The, Dayton 1, Ohio

INDICATORS—Geiger Counter

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 Alpha Laboratories, Box 184, Belmar, N. J.
 Anton Electronic Laboratories, Inc., 1226-1238 Flushing Ave., Brooklyn 6, N. Y.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Berkeley Scientific Co., 6th & Nevin, Richmond, Calif.
 Distillation Prods., Inc., Vacuum Equip. Div., 755 Ridge Rd. W., Rochester 13, N. Y.
 Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
 Electronic Products Co., 111 E. 3rd St., Mt. Vernon, N. Y.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Geophysical Instrument Co., 1820 N. Nash St., Arlington, Va.
 National Technical Lab., 820 Mission St., South Pasadena, Calif.
 North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
 Nuclear Development Lab., Box 7601, Kansas City, Mo.
 Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.
 Omaha Scientific Supply Co., 3623 Lake St., Omaha 4, Neb.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Radiation Counter Labs., Inc., 1844 W. 21 St., Chicago 8, Ill.
 Radioactive Products, Inc., 3201 E. Woodridge St., Detroit 7, Mich.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

INDICATORS—Hardness

Gardner Lab., Inc., Henry A., 4723 Elm St., Bethesda 14, Md.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 Rubicon Co., 3751 Ridge Ave., Phila., Pa.

INDICATORS—Humidity

American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Bristol Co., The, Waterbury 91, Conn.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Foxboro Co., The, Foxboro, Mass.
 Friez Instrument Div., Bendix Aviation Corp., Baltimore 4, Md.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S. Minneapolis, Minn.
 Serdex, Inc., 91 Cambridge St., Boston, Mass.
 Weksler Thermometer Co., 52 W. Houston St., New York 12, N. Y.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

INDICATORS—Illumination

Acme Telectronix Div. of NEA Service Inc., West Third & Lakeside, Cleveland 13, Ohio
 Kirkland Co., H. R., The, 8 King St., Morristown, N. J.

INDICATORS—Liquid Level

ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Autocall Co., The, Shelby, Ohio
 Automatic Temperature Control Co., Inc., 5212 Pulaski Ave., Phila. 44, Pa.
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Ave., Phila. 44, Pa.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Foxboro Co., The, Foxboro, Mass.
 Leupold & Stevens Instruments, 4445 N. E. Glisan St., Portland 13, Ore.
 Lumenite Electric Co., 407 S. Dearborn St., Chicago, Ill.
 Mosher Electronic Controls, 130 W. 42nd St., New York, N. Y.
 Photoswitch, Inc., 77 Broadway, Cambridge 42, Mass.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.

INDICATORS—Materials Thickness

ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Branson Instruments, Inc., 436 Fairfield Ave., Stamford, Conn.
 Brinnell Co., The, Granby, Conn.
 Foxboro Co., The, Foxboro, Mass.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Photocon Research Products, 1062 N. Allen Ave., Pasadena 7, Calif.
 Pratt-Whitney Div., Niles-Bement-Pond Co., West Hartford 1, Conn.
 Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.
 Triplett & Barton, Inc., 831 N. Lake St., Burbank, Calif.

INDICATORS—Moisture

American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Barber Colman Co., Rockford, Ill.
 Communication Measurements Lab., Inc., 120 Greenwich St., New York, N. Y.
 Fielden Electronics, Inc., 1171 New York Ave., Huntington Station, N. Y.
 Foxboro Co., The, Foxboro, Mass.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Illinois Testing Labs., 420 N. LaSalle St., Chicago 10, Ill.
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Moisture Register Co., P. O. Drawer No. 910, Alhambra, Calif.
 Network Mfg. Corp., Bayonne, N. J.
 O'Connor & Co., John T., West Orange, N. J.
 Paterson Co., C. J., 3947 Broadway, Kansas City, Mo.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 Serdex, Inc., 91 Cambridge St., Boston, Mass.
 Taghlabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.

INDICATORS—Nuclear Radiation

Anton Electronic Laboratories, Inc., 1226-1238 Flushing Ave., Brooklyn 6, N. Y.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston 64, Mass. SEE ADV. PG. 200.
 Berkeley Scientific Co., 6th & Nevin, Richmond, Calif.

Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Geophysical Instrument Co., 1820 N. Nash St., Arlington, Va.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 North American Philips Co., 100 E. 42nd St., New York 17, N. Y.
 Nuclear Development Lab., Box 7601, Kansas City, Mo.
 Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Radioactive Products, Inc., 3201 E. Woodbridge Ave., Detroit 7, Mich.
 Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Television Equipment Corp., 238 William St., New York 7, N. Y.

INDICATORS—Ocean Depth

Alfax Paper & Engineering Co., 40 Riverside Ave., Brockton 27 E. B., Mass.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, North Hollywood, Calif.
 Edo Corp., College Point, Long Island, N. Y.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 National-Simplex-Bludworth, Inc., Bludworth Marine Div., 92 Gold St., New York 7, N. Y.
 Submarine Signal Div., Raytheon Mfg. Co., Waltham, Mass.

INDICATORS—Oxygen

Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.

INDICATORS—PH

ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Phila. 44, Pa.
 Central Scientific Co., 1700 Irving Park Rd., Chicago 13, Ill.
 Elm Laboratories, 18 South Broadway, Dobbs Ferry, N. Y.
 Foxboro Co., The, Foxboro, Mass.
 La Motte Chemical Products Co., Towson 4, Baltimore, Md.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 Photovolt Corp., 95 Madison Ave., New York 16, N. Y.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Phila. 44, Pa.

INDICATORS—Photographic Exposure

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 DeJur-Amsco Corp., Northern Blvd., at 45th St., Long Island City 1, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 Photovolt Corp., 95 Madison Ave., New York 16, N. Y.

INDICATORS—Positioning

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
ROBINETTE CO., W. C., 802 Fair Oaks Ave., South Pasadena, Calif. SEE ADV. PG. 204.
 Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.

INDICATORS—Power Level

Brinnell Co., The, Granby, Conn.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Daven Co., 191 Central Ave., Newark 4, N. J.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 International Instruments, Inc., 331 East St., New Haven 11, Conn.
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 Shallcross Mfg. Co., 10 Jackson Ave., Colingdale, Pa.
 Sound Apparatus Co., Sterling, N. J.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Triplett Electrical Instrument Co., 286 Harmon Rd., Bluffton, Ohio
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

INDICATORS—Pressure

Autocall Co., The, Shelby, Ohio
 Automatic Temperature Control Co., Inc., 5212 Pulaski Ave., Phila 44, Pa.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Bristol Co., The, Waterbury 91, Conn.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Foxboro Co., The, Foxboro, Mass.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Gorrell & Gorrell, Haworth, N. J.
INDUSTRIAL ELECTRONICS, INC., 2457 Woodward Ave., Detroit 1, Mich. SEE ADV. PG. 226.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Manning, Maxwell & Moore, Inc., 11 Elias St., Bridgeport 2, Conn.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
 Photocon Research Products, 1062 N. Allen Ave., Pasadena 7, Calif.
 Sheffield Corp., The, Dayton 1, Ohio
 Stewart-Warner Electric Div., Stewart-Warner Corp., 1826 Diversey Pkway., Chicago 14, Ill.
 Technitrol Engineering Co., 3212 Market St., Phila., Pa.
TRANS-SONICS, INC., Bedford Airport, Bedford, Mass. SEE ADV. PG. 132.
 Wallace & Tiernan Products, Inc., Belleville 9, N. J.

INDICATORS—Recording Engine

American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 Commercial Research Labs. Inc., 20 Bartlett Ave., Detroit 3, Mich.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Electro Products Labs., Inc., 549 W. Randolph St., Chicago 6, Ill.

INDICATORS—Shorted Turn

Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Conant Labs., 6500 O St., Lincoln 5, Neb.
 Kartron Inc., Box 472, Huntington Beach, Calif.
 Rubicon Co., 8751 Ridge Ave., Phila., Pa.

INDICATORS—Smoke & Combustion

Bailey Meter Co., 1044 Ivanhoe Road, Cleveland 10, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Combustion Control Corp., 77 Broadway, Cambridge 42, Mass.
 Electronic Control Corp., 1573 Forest St., Detroit, Mich.
 Ess Instrument Co., 96 So. Washington Ave., Bergenfield, N. J.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Photovolt Corp., 95 Madison Ave., New York 16, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.

INDICATORS—Solar Radiation

Eppley Lab. Inc., Newport, R. I.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
VICTOREN INSTRUMENT CO., 5806 Hough Ave., Cleveland 3, Ohio. SEE ADV. PG. 227.

INDICATORS—Sound Level

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Collins Audio Products Co., P. O. Box 368, Westfield, N. J.
 Daven Co., 191 Central Ave., Newark 4, N. J.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Sound Apparatus Co., Stirling, N. J.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

INDICATORS—Specific Gravity

Brown Instrument Co., Wayne & Roberts Aves., Phila. 44, Pa.
 Engineering Lab., Inc., 602 E. 4th St., Tulsa 3, Okla.
 Ess Instrument Co., 96 So. Washington Ave., Bergenfield, N. J.
 Foxboro Co., The, Foxboro, Mass.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.

INDICATORS—Strain

Alfax Paper & Engineering Co., 40 Riverside Ave., Brockton 27 E. B., Mass.
 Anderson, Arthur R., 110 Woodbury Ave., Springdale, Conn.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Brinnell Co., The, Granby, Conn.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Ess Instrument Co., 96 So. Washington Ave., Bergenfield, N. J.
 Foxboro Co., The, Foxboro, Mass.
 Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
 Starrett Co., L. S., 165 Crescent St., Athol, Mass.
 Statham Laboratories, Inc., 9328 Santa Monica Blvd., Beverly Hills, Calif.
 Televiso Products, Inc., 7466 W. Irving Pk. Rd., Chicago 34, Ill.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.

INDICATORS—Telemetry

Airlectron, P. O. Box 151, Caldwell, N. J.
 Alfax Paper & Engineering Co., 40 Riverside Ave., Brockton 27 E. B., Mass.
 Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio

Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Bristol Co., The, Waterbury 91, Conn.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Leupold & Stevens Instruments, 4445 N. E. Glisan St., Portland 13, Ore.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
PANORAMIC RADIO PRODUCTS, INC., 10 South Second Ave., Mt. Vernon, N. Y. SEE ADV. PG. 213.
 Serdex, Inc., 91 Cambridge St., Boston, Mass.
 Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Statham Laboratories, Inc., 9328 Santa Monica Blvd., Beverly Hills, Calif.
 Stevens-Arnold Co., 22 Elkins St., S. Boston, Mass.
TRANS-SONICS, INC., Bedford Airport, Bedford, Mass. SEE ADV. PG. 132.

INDICATORS—Temperature

Alfax Paper & Engineering Co., 40 Riverside Ave., Brockton 27 E. B., Mass.
 Assembly Products, Inc., Chagrin Falls 6, Ohio
 Autocall Co., The, Shelby, Ohio
 Automatic Temperature Control Co., Inc., 5212 Pulaski Ave., Phila. 44, Pa.
 Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Cooper Co., Clark 379 N. Market St., Palmyra, N. J.
 DeJur-Amsco Corp., Northern Blvd. at 45th St., L. I. City 1, N. Y.
 Development Engineering Co., Inc., The, 1818 Ashland St., Houston 8, Texas
 Dillon & Co., W. C., 5410 W. Harrison St., Chicago 44, Ill.
 Eastern Specialty Co., Philadelphia 40, Pa.
 Edison Inc., Thomas A., Instrument Div., West Orange, N. J.
 Electric Auto-Lite Co., The, Toledo 1, Ohio
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
 Elematic Equipment Corp., 6046 S. Wentworth Ave., Chicago 21, Ill.
 Foxboro Co., The, Foxboro, Mass.
 Gordon Co., Claud S., 3000 S. Wallace St., Chicago 16, Ill.
 General Controls Co., Glendale 1, Calif.
 Illinois Testing Labs., Inc., 420 N. LaSalle St., Chicago 10, Ill.
J B Y INSTRUMENTS, INC., 441 Chapel St., New Haven 8, Conn. SEE ADV. PG. 229.
 Lear, Inc., 110 Ionia Ave., N.W., Grand Rapids 2, Mich.
 Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
 Manning, Maxwell & Moore, Inc., 11 Elias St., Bridgeport 2, Conn.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
 Nurnberg Thermometer Co., Inc., 4 Corey St., Boston 32, Mass.
 Osgood Engineering Co., 110 Pleasant St., Malden, Mass.
 Philadelphia Thermometer Co., 4401 N. Sixth St., Philadelphia, Pa.
 Rubicon Co., 3751 Ridge Ave., Phila., Pa.
 Serdex, Inc., 91 Cambridge St., Boston, Mass.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.

Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
TRANS-SONICS, INC., Bedford Airport, Bedford, Mass. SEE ADV. PG. 132.
 Weksler Thermometer Corp., 52 W. Houston St., New York, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
 Wheelco Instruments Co., 847 W. Harrison St., Chicago 7, Ill.
 Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

INDICATORS—Timing

Acme Teletronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Bristol Co., The, Waterbury 91, Conn.
CRAMER CO., INC., R. W., Centerbrook, Conn. SEE ADV. PG. 99.
 Crystal Devices Co., Inc., 50 Mill Rd., Freeport, N. Y.
 Gorrell & Gorrell, Haworth, N. J.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Scintilla-Magneto Div., Bendix Aviation Corp., Sidney, N. Y.

INDICATORS—Torque

Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Crystal Devices Co., Inc., 50 Mill Rd., Freeport, N. Y.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
 Sheffield Corp., The, Dayton 1, Ohio

INDICATORS—Turbidity

Airlectron, P. O. Box 151, Caldwell, N. J.
 American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 Baird Associates, Inc., 33 University Rd., Cambridge 38, Mass.
 Electronic Mechanical Products Co., 13-15-17 N. Virginia Ave., Atlantic City, N. J.
 Ess Instrument Co., 96 So. Washington Ave., Bergenfield, N. J.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 Photovolt Corp., 95 Madison Ave., New York 16, N. Y.
 Sheffield Corp., The, Dayton 1, Ohio

INDICATORS—Vacuum

Bristol Co., The, Waterbury 91, Conn.
 Central Scientific Co., 1700 Irving Park Road, Chicago 13, Ill.
CONTINENTAL ELECTRIC CO., Geneva, Ill. SEE ADV. PG. 176.
 Distillation Products, Inc., Vacuum Equipment Div., 755 Ridge Rd., W., Rochester, N. Y.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
 Ess Instrument Co., 96 So. Washington Ave., Bergenfield, N. J.
 Fredericks Co., Geo. E., Bethayres, Pa.
 GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hastings Instrument Co., Box 1275, Hampton, Va.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
 National Research Corp., 70 Memorial Drive, Cambridge 42, Mass.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 Sheffield Corp., The, Dayton 1, Ohio

Skaneateles Mfg. Co., Inc., 122 Dickerson St., Syracuse 2, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Wallace & Tiernan Products Inc., Belleville 9, N. J.
 Weksler Thermometer Co., 52 W. Houston St., New York 12, N. Y.

INDICATORS—Volume

Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Collins Audio Products Co., P. O. Box 368, Westfield, N. J.
 Daven Co., 191 Central Ave., Newark 4, N. J.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
 Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska
 Electronic Mechanical Products Co., 13-15-17 N. Virginia Ave., Atlantic City, N. J.
 Feiler Engrg. Co., 945 W. George St., Chicago 14, Ill.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Sheffield Corp., The, Dayton 1, Ohio
 Triplett Electrical Instrument Co., 286 Harmon St., Bluffton, Ohio
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

INDICATORS—Weight

Chatillon & Sons, John, 93 Cliff St., New York 7, N. Y.

ILLUMINATION CONTROLS

See Controls, Illumination

INDUCTION HEATING

See Heating, Induction

INDUCTORS

See Chokes and Coils, Choke

INFRA-RED DRYING OVENS

See Ovens

INSPECTION EQUIPMENT—Lighting

Art Specialty Co., 3245 W. Lake St., Chicago, Ill.
 Larrimore Sales Corp., P. O. Box 1234, St. Louis 1, Mo.
 Sheffield Corp., The, Dayton 1, Ohio
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

INSTRUMENT PARTS—Precision

ARMA CORP., 254 36th St., Brooklyn 32, N. Y. SEE ADV. PG. 220.
ART WIRE & STAMPING CO., 227 High St., Newark 2, N. J. SEE ADV. PG. 232.
 Boehne Inc., H. O., 915 Broadway, New York, N. Y.
 Development Engineering Co., Inc., The, 1818 Ashland St., Houston 8, Texas
 DoAll Co., 254 No. Laurel Ave., Des Plaines, Ill.
 Eastern Specialty Co., Philadelphia 40, Pa.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Farrand Optical Co., Inc., Bronx Blvd. at 238th St., New York 66, N. Y.
 Federal Tool & Mfg. Co., 3600 Alabama Ave., St. Louis Park, Minneapolis 16, Minn.

Felsenthal & Sons Inc., G., 4100 W. Grand Ave., Chicago 51, Ill.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Heller Co., Gerald K., 1540 Ridgely St., Baltimore 30, Md.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Instrument Development & Mfg. Corp., 3018 E. Foothill Blvd., Pasadena 8, Calif.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
MAKEPEACE CO., D. E., Attleboro, Mass. SEE ADV. PG. 84.
 Multi-Products Tool Co., 123 Sussex Ave., Newark 4, N. J.
 New Hampshire Ball Bearings, 5 Main St., Peterborough, N. H.
 Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.
 Osgood Engineering Co., 110 Pleasant St., Malden, Mass.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Precision Tube Co., Inc., 3828 Terrace St., Philadelphia 28, Pa.
 Rubicon Co., 3751 Ridge Ave., Phila., Pa.
 Sheffield Corp., The, Dayton 1, Ohio
STAR EXPANSION PRODUCTS CO., 147-149 Cedar St., New York 6, N. Y. SEE ADV. PG. 96.
 Technology Instrument Corp., 1058 Main St., Waltham, Mass.
 Volkert Metal Stampings, Inc., John, 141 Spencer St., Brooklyn 5, N. Y.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
 Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.
 Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

INSTRUMENTS—Electronic Musical

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 Conn Ltd., C. G., Electronics Div., Elkhart, Ind.
PICKERING & CO., 309 Woods Ave., Oceanside, L. I., N. Y. SEE ADV. PG. 130.
 Valco Mfg. Co., 4700 W. Walton St., Chicago 51, Ill.
 Wurlitzer Co., Rudolph, The, N. Tonawanda, N. Y.

INSTRUMENTS—Graphic Recording

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Airborne Instruments Lab., Inc., 160 Old Country Rd., Mineola, N. Y.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Alfax Paper & Engineering Co., 40 Riverside Ave., Brockton 27 E. B., Mass.
 Associated Research, Inc., 3758 W. Belmont, Chicago 18, Ill.
 Bristol Co., The, Waterbury 91, Conn.
BRUSH DEVELOPMENT CO., THE, 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Edin Electronics Co., 207 Main St., Worcester, Mass.
 Electro-Physical Labs., Inc., 290-8 Dyckman St., New York 34, N. Y.
 Electronic Associates, Inc., Long Branch, N. J.
 Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
 Farrand Optical Co., Inc., Bronx Blvd. at 238th St., New York 66, N. Y.
 Foxboro Co., The, Foxboro, Mass.
 Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.
 Gorrell & Gorrell, Haworth, N. J.
 Leupold & Stevens Instruments, 4445 N. E. Glisan St., Portland 13, Ore.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.

RAHM INSTRUMENTS, INC., 12 W. Broadway, New York 7, N. Y. SEE ADV. PG. 222.
SANBORN CO., 39 Osborn St., Cambridge 39, Mass. SEE ADV. PG. 30.
 Servo-Tek Products Co., 4 Godwin Ave., Paterson, N. J.
 Sound Apparatus Co., Stirling, N. J.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

INSTRUMENTS—Nuclear

Anton Electronic Laboratories, Inc., 1226-1238 Flushing Ave., Brooklyn 6, N. Y.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Berkeley Scientific Co., 6th & Nevin, Richmond, Calif.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 Nuclear Development Lab., Box 7601, Kansas City, Mo.
 Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.
 Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill.
RADIO CORP. OF AMERICA, R C A Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Radioactive Products, Inc., 3201 E. Woodbridge St., Detroit 7, Mich.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Tracerlab, Inc., 55 Oliver St., Boston 10, Mass.
VICTOREEN INSTRUMENT CO., 5806 Hough Ave., Cleveland 3, Ohio. SEE ADV. PG. 227.

INSTRUMENTS—Panel

ART-LLOYD METAL PRODUCTS CORP., 2973 Cropsy Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.
 Assembly Products, Inc., Chagrin Falls 6, Ohio
 Associated Research Inc., 3758 W. Belmont, Chicago 18, Ill.
 Bristol Co., The, Waterbury 91, Conn.
 Burlington Instrument Co., Burlington, Iowa
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 DeJur-Amsco Corp., Northern Blvd. at 45th St., L. I. City 1, N. Y.
 Electric Design & Mfg. Corp., Burlington, Iowa
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Falstrom Co., 44 Falstrom Court, Passaic, N. J.
FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Roller-Smith, Bethlehem, Pa.
 Sensitive Research Instrument Corp., 9 Elm Ave., Mt. Vernon, N. Y.
SHURITE METERS, 61 Hamilton St., New Haven 6, Conn. SEE ADV. PG. 225.
 Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.
 Triplett Electrical Instrument Co., 286 Harmon Rd., Bluffton, Ohio

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

INSTRUMENTS—Ultrasonic

Branson Instruments, Inc., 436 Fairfield Ave., Stamford, Conn.
BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Central Scientific Co., 1700 Irving Park Rd., Chicago 13, Ill.
 Fisher Scientific Co., 717 Forbes St., Pittsburgh 19, Pa.
 National-Simplex-Bludworth, Inc., Bludworth Marine Div., 92 Gold St., New York 7, N. Y.
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Sperry Products, Inc., Danbury, Conn.
 Triplett & Barton, Inc., 831 N. Lake St., Burbank, Calif.

INSULATING COMPOUNDS

Asphalts

BIWAX CORP., 3445 Howard St., Skokie, Ill. SEE ADV. PG. 206.
 Borthig Co., Inc., George C., P. O. Box 115, East Rutherford, N. J.
 Dolph Co., John C., Monmouth Junction, N. J.
 Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.
 Horn Co., Inc., A. C., 43-36 Tenth St., Long Island City 1, N. Y.
 Minerallac Electric Co., 25 N. Peoria St., Chicago, Ill.
MITCHELL RAND INSULATION CO., INC., 51 Murray St., New York 7, N. Y. SEE ADV. PG. 54.
 Ruberoid Co., The, 500 5th Ave., New York 18, N. Y.
 Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland 1, Ohio
 Standard Varnish Works, 2600 Richmond Terr., Staten Island 3, N. Y.
 Trotter & Co., E. T., 594 Johnson Ave., Brooklyn 6, N. Y.
 U. S. Stoneware Co., The, Akron 9, Ohio
ZOPHAR MILLS INC., 112-130 26th St., Brooklyn 32, N. Y. SEE ADV. PG. 164.

Coil Dopes

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 American Products Mfg. Corp., Oleander & Dublin Sts., New Orleans 18, La.
 Borthig Co., Inc., George C., P. O. Box 115, East Rutherford, N. J.
 Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 Haynes Labs. Inc., C. W., 61 Chandler St., Springfield, Mass.
INSL-X CO., INC., THE, Water St., Ossining, N. Y. SEE ADV. PG. 160.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
SCHENECTADY VARNISH CO., Schenectady, N. Y. SEE ADV. PG. 111.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland 1, Ohio
 Trotter & Co., E. T., 594 Johnson Ave., Brooklyn 6, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
ZOPHAR MILLS, INC., 112-130 26th St., Brooklyn 32, N. Y. SEE ADV. PG. 164.

Enamel

Borthig Co., Inc., George Co., P. O. Box 115, East Rutherford, N. J.
 Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 Heresite and Chemical Co., Manitowoc, Wis.
 Horn Co., Inc., A. C., 43-36 Tenth St., Long Island City 1, N. Y.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.
 Reilly Tar and Chemical Corp., Merchants Bank Bldg., Indianapolis, Ind.
SCHENECTADY VARNISH CO., Schenectady, N. Y. SEE ADV. PG. 111.
 Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland, Ohio
 Standard Varnish Works, 2600 Richmond Terr., Staten Island 3, N. Y.

Impregnating Compounds

Acheson Colloids Corp., Port Huron, Mich.
 Acme Wire Co., New Haven 14, Conn.
AMERICAN PHENOLIC CORP., 1830 S. 5th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 American Products Mfg. Corp., Oleander & Dublin Sts., New Orleans 18, La.
 Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.
BIWAX CORP., 3445 Howard St., Skokie, Ill. SEE ADV. PG. 206.
 Borden Co., The, Chemical Div., 350 Madison Ave., New York 17, N. Y.
 Borthig Co., Inc., George Co., P. O. Box 115, East Rutherford, N. J.
 Cantol Wax Products Co., Bloomington, Ind.
 Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.
 Dolph Co., John C., Monmouth Junction, N. J.
 Durez Plastics & Chemicals, Inc., 1921 Walck Rd., N. Tonawanda, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 George Co., P. D., 5200 N. 2nd Street, St. Louis, Mo.
 Goodyear Tire & Rubber Co., Inc., Chemical Div., 1144 E. Market St., Akron 16, Ohio
 Halowax Prods. Div., Union Carbide & Carbon Corp., 30 E. 42nd St., New York, N. Y.
 Hamilton Kent Mfg. Co., Kent, Ohio
 Heresite and Chemical Co., Manitowoc, Wis.
INSL-X CO., INC., THE, Water St., Ossining, N. Y. SEE ADV. PG. 160.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Irvington Varnish & Insulator Co., 10 Argyle Terrace, Irvington 11, N. J.
 Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.
 Mica Insulator Co., Schenectady 1, N. Y.
MITCHELL RAND INSULATION CO., INC., 51 Murray St., New York 7, N. Y. SEE ADV. PG. 54.
SCHENECTADY VARNISH CO., Schenectady, N. Y. SEE ADV. PG. 111.
 Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland 1, Ohio
 Standard Varnish Works, 2600 Richmond Terr., Staten Island 3, N. Y.
 Stevenson Bros. & Co., 110 Race Street, Phila. 6, Pa.
 Sun Oil Co., 1608 Walnut St., Philadelphia 3, Pa.
 Trotter & Co., E. T., 594 Johnson Ave., Brooklyn 6, N. Y.
 U. S. Stoneware Co., The, Akron 9, Ohio
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
ZOPHAR MILLS INC., 112-130 26th St., Brooklyn 32, N. Y. SEE ADV. PG. 164.

Insulating Varnish

Acme Wire Co., New Haven 14, Conn.
 American Products Mfg. Corp., Oleander & Dublin Sts., New Orleans 18, La.

American Resinous Chemical Co., 103 Foster St., Peabody, Mass.
 Arco Co., 7301 Bessemer Ave., Cleveland 4, Ohio
 Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.
 Borthig Co., Inc., George Co., P. O. Box 115, East Rutherford, N. J.
 Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.
 Communication Products Co., Inc., Broadway & Clark St., Keyport, N. J.
 Dolph, John C., Monmouth Junction, N. J.
 Dow Corning Corp., Midland, Mich.
 Durez Plastics & Chemicals, Inc., 1921 Walck Rd., N. Tonawanda, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 George Co., P. D., 5200 N. Second St., St. Louis, Mo.
 Heresite & Chemical Co., Manitowoc, Wis.
 Horn Co., Inc., A. C., 43-36 Tenth St., Long Island City 1, N. Y.
INSL-X CO., INC., THE, Water St., Ossining, N. Y. SEE ADV. PG. 160.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Irvington Varnish & Insulator Co., 10 Argyle Terrace, Irvington 11, N. J.
 Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.
 Marblette Corp., 37-21 30th St., Long Island City, N. Y.
 Martindale Electric Co., Box 617, Edgewater Branch, Cleveland 7, Ohio
 Mica Insulator Co., Schenectady 1, N. Y.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
MITCHELL-RAND INSULATION CO., INC., 51 Murray St., New York 7, N. Y. SEE ADV. PG. 54.
SCHENECTADY VARNISH CO., Schenectady, N. Y. SEE ADV. PG. 111.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland 1, Ohio
 Standard Varnish Works, 2600 Richmond Terrace, Staten Island 3, N. Y.
 U. S. Stoneware Co., The, Akron 9, Ohio
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Lacquer

Acme Wire Co., New Haven 14, Conn.
 Arco Co., 7301 Bessemer Ave., Cleveland 4, Ohio
 American Products Mfg. Corp., Oleander & Dublin Sts., New Orleans 18, La.
 Borthig Co., Inc., George Co., P. O. Box 115, East Rutherford, N. J.
 Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.
 Communication Products Co., Inc., Broadway & Clark St., Keyport, N. J.
 Dolph Co., John C., Monmouth Junction, N. J.
 Franklin Paint & Varnish Co., Benjamin, 4820 Langdon St., Phila. 24, Pa.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 George Co., P. D., 5200 N. 2nd St., St. Louis, Mo.
 Haynes Labs., Inc., C. W., 61 Chandler St., Springfield, Mass.
 Horn Co., Inc., A. C., 43-36 Tenth St., Long Island City 1, N. Y.
INSL-X CO., INC., THE, Water St., Ossining, N. Y. SEE ADV. PG. 160.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.
 Martindale Electric Co., Box 617, Edgewater Branch, Cleveland 7, Ohio
 Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland 1, Ohio
 Standard Varnish Works, 2600 Richmond Terr., Staten Island 3, N. Y.
 U. S. Stoneware Co., The, Akron 9, Ohio

Phenolic Molding Compounds

Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.
 Borden Co., The, Chemical Div., Durite Plastics, 5000 Summerdale Ave., Phila. 24, Pa.
 Durez Plastics & Chemicals, Inc., 1921 Walck Rd., N. Tonawanda, N. Y.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 Heresite & Chemical Co., Manitowoc, Wis.
 Reilly Tar & Chemical Corp., Merchants Bank Bldg., Indianapolis, Ind.
 Taylor Mfg. Co., 3056 W. Meinecke Ave., Milwaukee 10, Wisc.
 U. S. Stoneware Co., The, Akron 9, Ohio

Pitch

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
MITCHELL RAND INSULATION CO., INC., 51 Murray St., New York 7, N. Y. SEE ADV. PG. 54.
 Reilly Tar & Chemical Corp., Merchants Bank Bldg., Indianapolis, Ind.
 Ruberoid Co., The, 500 5th Ave., New York 18, N. Y.
 Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland 1, Ohio
 Trotter & Co., E. T., 594 Johnson Ave., Brooklyn 6, N. Y.
ZOPHAR MILLS INC., 112-130 26th St., Brooklyn 32, N. Y. SEE ADV. PG. 164.

Protective Sealers

AMERICAN PHENOLIC CORP., 1830 S. 5th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
BIWAX CORP., 3445 Howard St., Skokie, Ill. SEE ADV. PG. 206.
 Borthig Co., Inc., George Co., P. O. Box 115, East Rutherford, N. J.
 Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.
 Dow Corning Corp., Midland, Mich.
 Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 George Co., P. D., 5200 N. 2nd Street, St. Louis, Mo.
 Halowax Prods. Div., Union Carbide & Carbon Corp., 30 E. 42nd St., New York, N. Y.
 Horn Co., Inc., A. C., 43-36 Tenth St., Long Island City 1, N. Y.
INSL-X CO., INC., THE, Water St., Ossining, N. Y. SEE ADV. PG. 160.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Irvington Varnish & Insulator Co., 10 Argyle Terr., Irvington 11, N. J.
 Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.
SCHENECTADY VARNISH CO., Schenectady, N. Y. SEE ADV. PG. 111.
 Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland 1, Ohio
 Sun Oil Co., 1608 Walnut St., Philadelphia 3, Pa.
 Wilbur & Williams Co., 43 Leon St., Boston 15, Mass.
ZOPHAR MILLS INC., 112-130 26th St., Brooklyn 32, N. Y. SEE ADV. PG. 164.

Resins

American Marietta Co., Adhesive, Resin & Chemical Div., 3400 13th Ave. SW, Seattle 4, Wash.
 Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.
BIWAX CORP., 3445 Howard St., Skokie, Ill. SEE ADV. PG. 206.
 Borden Co., The, Chemical Div., Durite Plastics, 5000 Summerdale Ave., Phila. 24, Pa.
 Catalin Corp. of America, 1 Park Ave., New York 16, N. Y.
 Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.
 Dow Chemical Co., Midland, Mich.
 Dow Corning Corp., Midland, Mich.

du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.

Durez Plastics & Chemicals, Inc., 1921 Walck Rd., N. Tonawanda, N. Y.
Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.

GENERAL ANILINE & FILM CORP., Antara Products, 444 Madison Ave., New York 22, N. Y. SEE ADV. PG. 185.

GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.

Goodrich Chemical Co., B. F., Cleveland 15, Ohio
Goodyear Tire & Rubber Co., Inc., Chemical Div., 1144 E. Market St., Akron 10, Ohio

Heresite & Chemical Co., Manitowoc, Wis.

INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.

Irvington Varnish & Insulator Co., 10 Argyle Terr., Irvington 11, N. J.

Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.

Marlette Corp., 37-20 30th St., Long Island City, N. Y.

Minerallac Electric Co., 25 N. Peoria St., Chicago, Ill.

SCHENECTADY VARNISH CO., Schenectady, N. Y. SEE ADV. PG. 111.

Shawinigan Products Corp., 350 Fifth Ave., New York 1, N. Y.

Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland 1, Ohio

Stevenson Bros. & Co., 110 Race St., Phila. 6, Pa.

U. S. Stoneware Co., The, Akron 9, Ohio

Wilbur & Williams Co., 43 Leon St., Boston 15, Mass.

ZOPHAR MILLS INC., 112-130 26th St., Brooklyn 32, N. Y. SEE ADV. PG. 164.

Silicone Compounds

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.

Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.

Connecticut Hard Rubber Co., 407 E St., New Haven 9, Conn.

Dow Corning Corp., Midland, Mich.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.

INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.

ZOPHAR MILLS INC., 112-130 26th St., Brooklyn 32, N. Y. SEE ADV. PG. 164.

Varnish Cambric Coatings

Acme Wire Co., New Haven 14, Conn.

Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.

Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.

Electro-Technical Products Div., Sun Chemical Corp., Nutley 10, N. J.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

George Co., P. D., 5200 N. 2nd St., St. Louis, Mo.

INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.

Irvington Varnish & Insulator Co., 10 Argyle Terr., Irving 11, N. J.

NATIONAL VARNISHED PRODUCTS CORP., THE, 211 Randolph Ave., Woodbridge, N. J. SEE ADV. PG. 117.

SCHENECTADY VARNISH CO., Schenectady, N. Y. SEE ADV. PG. 111.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Waxes

American Products Mfg. Corp., Oleander & Dublin Sts., New Orleans 18, La.

Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.

BIWAX CORP., 3445 Howard St., Skokie, Ill. SEE ADV. PG. 206.

Borthig Co., Inc., George C., P. O. Box 115, East Rutherford, N. J.

Cantol Wax Products Co., Bloomington, Ind.

Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.

Durez Plastics & Chemicals, Inc., 1921 Walck Rd., N. Tonawanda, N. Y.

Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

Glyco Products Co., Inc., 26 Court St., Brooklyn, N. Y.

Halowax Prods. Div., Union Carbide & Carbon Corp., 30 E. 42nd St., New York, N. Y.

Horn Co. Inc., A. C., 43-36 Tenth St., Long Island City 1, N. Y.

Insulatine Co., 1 Broadway, New York, N. Y.

Maas & Waldstein Co., 438 Riverside Ave., Newark 4, N. J.

MITCHELL RAND INSULATION CO., INC., 51 Murray Street, New York 7, N. Y. SEE ADV. PG. 54.

Standard Varnish Works, 2600 Richmond Terr., Staten Island 3, N. Y.

Stevenson Bros. & Co., 110 Race St., Phila. 6, Pa.

Sun Oil Co., 1608 Walnut St., Philadelphia 3, Pa.

Trotter & Co., E. T., 594 Johnson Ave., Brooklyn 6, N. Y.

ZOPHAR MILLS INC., 112-130 26th St., Brooklyn 32, N. Y. SEE ADV. PG. 164.

INSULATING VARNISH

See Insulating Compounds

INSULATION MATERIALS

Aluminum Oxide

Aluminum Co. of America, Gulf Bldg., Pittsburgh, Pa.

du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.

Merck & Co., Inc., Rahway, N. J.

Norton Co., 1 New Bond St., Worcester 6, Mass.

Permanente Products Co., Inc., 1924 Broadway, Oakland 12, Calif.

Reynolds Metals Co., Technical Serv. Dept., 2500 So. Third St., Louisville 1, Ky.

Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas

STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.

SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

Asbestos

Auburn Mfg. Co., Middletown, Conn.

Dobeckmun Co., The, Industrial Prods. Div., Cleveland 1, Ohio

Electro-Technical Products Div., Sun Chemical Corp., Nutley 10, N. J.

INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.

Johns-Manville, 22 E. 40th St., New York 16, N. Y.

Powhatan Mining Co., Baltimore 7, Md.

Richards Co., Inc., Arkley S., 78 Winchester St., Newton Highlands 61, Mass.

Ruberoid Co., The, 500 5th Ave., New York 18, N. Y.

STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.

Bead

AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.

Corning Glass Works, Corning, N. Y.

General Ceramics & Steatite Corp., Keasbey, N. J.

HERMETIC SEAL PRODUCTS CO., 29-37 S. 6th St., Newark, N. J. SEE ADV. PG. 223.

Kopp Glass Inc., 1 East 42nd St., New York 17, N. Y.

Martindale Electric Co., Box 617, Edgewater Branch, Cleveland 7, Ohio

Richards Co., Inc., Arkley S., 78 Winchester St., Newton Highlands 61, Mass.

Steward Mfg. Co., D. M., Chattanooga, Tenn.

STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.

Ceramic

AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.

CENTRALAB, DIV. of Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.

Clowes Ceramic Corp., 3711 Calhoun Ave., P. O. Box 1802 East Lake, Chattanooga 7, Tenn.

Cook Ceramic Mfg. Co., 501 Prospect St., Trenton 1, N. J.

Crowley & Co., Inc., Henry L., 1 Central Ave., West Orange, N. J.

General Ceramics & Steatite Corp., Keasbey, N. J.

Kirchberger & Co., Inc., M., 1425 37th St., Brooklyn 18, N. Y.

Lapp Insulator Co., Inc., 31 Gilbert St., Le Roy N. Y.

Locke Incorporated, P. O. Box 57, Baltimore 3, Md.

Mica Fabricating Co., 53 Central Ave., Rochelle Park, N. J.

MYCALEX CORP. OF AMERICA, 60 Clifton Blvd., Clifton, N. J. SEE ADV. PGS. 124, 125.

National Ceramic Co., 400 Southard St., Trenton 2, N. J.

Richards Co., Inc., Arkley S., 78 Winchester St., Newton Highlands 61, Mass.

Star Porcelain Co., 61 Muirhead Ave., Trenton, N. J.

Steward Mfg. Co., D. M., Chattanooga, Tenn.

STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.

SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

Titanium Alloy Mfg. Co., 111 Broadway, New York 6, N. Y.

United Insulator Co., Ltd., Tolworth-Surbiton-Surrey, England

U. S. Stoneware Co., The, Akron 9, Ohio

Fabric

Acme Wire Co., New Haven 14, Conn.

Auburn Mfg. Co., Middletown, Conn.

BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.

Celanese Corp. of America, 180 Madison Ave., New York 16, N. Y.

Duplan Corp., 512 Seventh Ave., New York, N. Y.

Electro-Technical Products Div., Sun Chemical Corp., Nutley 10, N. J.

Franklin Fibre-Lamitex Corp., 12th and French Sts., Wilmington, Del.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.

Hope Webbing Co., Providence 1, R. I.

Huse Liberty Mica Co., 171 Camden St., Boston, Mass.

INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.

Irvington Varnish & Insulator Co., 10 Argyle Terrace, Irvington 11, N. J.

NATIONAL VARNISHED PRODUCTS CORP., THE, 211 Randolph Ave., Woodbridge, N. J. SEE ADV. PG. 117.

Pacific Mills, Industrial Fabrics Dept., 214 Church St., New York 13, N. Y.

Respro, Inc., Wellington Ave., Cranston, R. I.

Varflex Corp., N. Jay St., Rome, N. Y.

Fibre

Auburn Mfg. Co., Middletown, Conn.

Baer Co., N. S., 9 Montgomery St., Hillside, N. J.

BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.

Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.

CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Del. SEE ADV. PGS. 119-122.

Franklin Fibre-Lamitex Corp., 12th and French Sts., Wilmington, Del.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

Huse Liberty Mica Co., 171 Camden St., Boston, Mass.

Insulating Fabricators, Inc., 12 E. 12th St., New York, N. Y.
 Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
 Lamicoïd Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.
 Masonite Corp., 111 W. Washington St., Chicago 2, Ill.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 Owens-Corning Fiberglas Corp., 1860 Nicholas Bldg., Toledo 1, Ohio
 Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Philadelphia 44, Pa.
 Rogers Corp., Manchester, Conn.
 Spaulding Fibre Co., Inc., 310 Wheeler St., Tonawanda, N. Y.
 Stevens Paper Mills, Inc., Windsor, Conn.
 Taylor Fibre Co., Norristown, Pa.
 West Virginia Pulp & Paper Co., Pulp Products Dept., 230 Park Ave., New York 17, N. Y.
 Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington 99, Del.

Glass

BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
 Corning Glass Works, Corning, N. Y.
 Fusite Corp., Carthage at Hannaford, Cincinnati 12, Ohio
 Franklin Fibre-Lamitex Corp., 12th and French Sts., Wilmington, Del.
HERMETIC SEAL PRODUCTS CO., 29-37 S. 6th St., Newark, N. J. SEE ADV. PG. 223.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Kopp Glass, Inc., 1 East 42nd St., New York 17, N. Y.
NATIONAL VARNISHED PRODUCTS CORP., THE, 211 Randolph Ave., Woodbridge, N. J. SEE ADV. PG. 117.
 Polan Industries, 220 Eighth St., Huntington, West Virginia
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Wheaton Co., T. C., Industrial Div., 220 G. St., Millville, N. J.

Glass Bonded Mica

CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Del. SEE ADV. PGS. 119-122.
 Electronic Mechanics, Inc., 70 Clifton Blvd., Clifton, N. J.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 General Electronics Inc., 101 Hazel St., Paterson, N. J.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
MYCALEX CORP. OF AMERICA, 60 Clifton Blvd., Clifton, N. J. SEE ADV. PGS. 124, 125.

Glass Fibre

Acme Wire Co., New Haven 14, Conn.
BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Del. SEE ADV. PGS. 119-122.
 Electro-Technical Products Div., Sun Chemical Corp., Nutley 10, N. J.
 Franklin Fibre-Lamitex Corp., 12th and French Sts., Wilmington, Delaware
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Hope Webbing Co., Providence 1, R. I.
 Huse Liberty Mica Co., 171 Camden St., Boston, Mass.

INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Laminated Plastics, Inc., 14838 Euclid Ave., Cleveland 12, Ohio
MITCHELL RAND INSULATION CO., INC., 51 Murray St., New York 7, N. Y. SEE ADV. PG. 54.
 National Electric Coil Co., Columbus 16, Ohio
 Owens-Corning Fiberglas Corp., 1860 Nicholas Bldg., Toledo 1, Ohio
 Spaulding Fibre Co., Inc., 310 Wheeler St., Tonawanda, N. Y.
 Varflex Corp., N. Jay St., Rome, N. Y.

Laminates, Woven Glass

Baer Co., N. S., 9 Montgomery St., Hillside, N. J.
CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Delaware. SEE ADV. PGS. 119-122.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 Hope Webbing Co., Providence 1, R. I.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Lamicoïd Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.
 Laminated Plastics, Inc., 14838 Euclid Ave., Cleveland 12, Ohio
 Mica Insulator Co., Schenectady 1, N. Y.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 Panelyte Div., St. Regis Paper Co., 230 Park Ave., New York, N. Y.
 Precision Fabricators, Inc., Roosevelt Rd., E. Rochester, N. Y.
 Synthane Corp., Oaks, Pa.
 Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Phila. 31, Pa.

Mica

Asheville Mica Co., 900 Jefferson Ave., Newport News, Va.
BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Del. SEE ADV. PGS. 119-122.
 Ford Radio & Mica Corp., 536 63rd St., Brooklyn, N. Y.
 Huse Liberty Mica Co., 171 Camden St., Boston, Mass.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Laminated Plastics, Inc., 14838 Euclid Ave., Cleveland 12, Ohio
 Macallen Co., The, 16 Macallen St., Boston 27, Mass.
 Mica Fabricating Co., 53 Central Ave., Rochelle Park, N. J.
 Mica Insulator Co., Schenectady 1, N. Y.
 Micacraft Products Inc., 701 McCarter Highway, Newark 5, N. J.
MITCHELL-RAND INSULATION CO., INC., 51 Murray St., New York 7, N. Y. SEE ADV. PG. 54.
 National Electric Coil Co., Columbus 16, Ohio
 New England Mica Co., Waltham, Mass.
 Radiation Counter Labs., Inc., 1844 W. 21 St., Chicago 8, Ill.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Tar Heel Mica Co., Plumtree, N. C.

Paper

Acme Wire Co., New Haven 14, Conn.
 Aldine Paper Co., Inc., 535 5th Ave., New York 17, N. Y.
 Auburn Mfg. Co., Middletown, Conn.
BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
 Brown-Bridge Mills, Inc., Troy, Ohio
 Central Paper Co., Inc., 2400 Lakeshore Drive, Muskegon, Mich.
 Cottrel Paper Co., 88 Purchase St., Fall River, Mass.

Dobeckmun Co., Industrial Products Div., Cleveland 1, Ohio
 Electro-Technical Products Div., Sun Chemical Corp., Nutley 10, N. J.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Hollingsworth & Vose Co., East Walpole, Mass.
 Hunter Photo Copyist Co., 566 Spencer St., Syracuse, N. Y.
 Huse Liberty Mica Co., 171 Camden St., Boston, Mass.
 Insulating Fabricators, Inc., 12 E. 12th St., New York, N. Y.
 Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Irvington Varnish & Insulator Co., 10 Argyle Terrace, Irvington 11, N. J.
 Johns-Manville, 22 E. 40th St., New York 16, N. Y.
 Lamicoïd Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.
 Mica Insulator Co., Schenectady 1, N. Y.
MITCHELL-RAND INSULATION CO., INC., 51 Murray St., New York 7, N. Y. SEE ADV. PG. 54.
 Mosinee Paper Mills Co., Mosinee, Wis.
NATIONAL VARNISHED PRODUCTS CORP., THE, 211 Randolph Ave., Woodbridge, N. J. SEE ADV. PG. 117.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 Precision Fabricators Inc., Roosevelt Rd., E. Rochester, N. Y.
 Rogers Corp., Manchester, Conn.
 Ruberoid Co., The, 500 5th Ave., New York 18, N. Y.
 Schweitzer, Inc., Peter J., 405 Lexington Ave., New York 17, N. Y.
SMITH PAPER, INC., Lee, Mass. SEE ADV. PG. 46.
 Stevens Paper Mills, Inc., Windsor, Conn.
 Willard's, Hampden, Mass.
 Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington 99, Del.

Plastic

See Plastic Materials

Rubber

Auburn Mfg. Co., Middletown, Conn.
 Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
 Connecticut Hard Rubber Co., 407 East St., New Haven 9, Conn.
 Dow Corning Corp., Midland, Mich.
 du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.
 Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 General Tire & Rubber Co., The, Silentbloc Div., Wabash, Ind.
 Goodrich Chemical Co., B. F., Cleveland 15, Ohio
 Goodyear Tire & Rubber Co., Inc., Chemical Div., 1144 E. Market St., Akron 16, Ohio
 Heresite & Chemical Co., Manitowoc, Wis.
 Luzerne Rubber Co., Muirhead Ave., Trenton, N. J.
 Mayfair Molded Products Corp., 4440 N. Elston Ave., Chicago 30, Ill.
 Stokes Molded Products, Inc., Taylor St. at Webster, Trenton, N. J.
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.

Rubber—Conductive

Goodyear Tire & Rubber Co., Inc., Chemical Div., 1144 E. Market St., Akron 16, Ohio

Steatite

AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
CENTRALAB DIV., of Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.
 Clowes Ceramic Corp., 3711 Calhoun Ave., P. O.

Cook Ceramic Mfg. Co., 501 Prospect St., Trenton 1, N. J.
 General Ceramics & Steatite Corp., Keasbey, N. J.
 Kirchberger & Co., Inc., M., 1425 37th St., Brooklyn 18, N. Y.
 Lapp Insulator Co., Inc., 31 Gilbert St., LeRoy, N. Y.
 Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
 National Ceramic Co., 400 Southard St., Trenton 2, N. J.
 Steward Mfg. Co., D. M., Chattanooga, Tenn.
STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.

INSULATION PARTS

Bead Insulation Parts

AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
AMERICAN PHENOLIC CORP., 1830 S. 54th St., Chicago 50, Ill. SEE ADV. PG. 167.
CENTRALAB DIV., of Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.
 Cook Ceramic Mfg. Co., 501 Prospect St., Trenton 1, N. J.
 Corning Glass Works, Corning, N. Y.
 Crowley & Co., Inc., Henry L., 1 Central Ave., West Orange, N. J.
 Electrical Refractories Co., 50 Clark St., East Palestine, Ohio
 General Ceramics & Steatite Corp., Keasbey, N. J.
HERMETIC SEAL PRODUCTS CO., 29-27 South 6th St., Newark, N. J. SEE ADV. PG. 223.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City 10, N. Y. SEE ADV. PG. 80.
 Kilburn Glass Co., Inc., J. R., 22 S. Worcester St., Chartley, Mass.
 Kirchberger & Co., Inc., M., 1425 37th St., Brooklyn 18, N. Y.
 Martindale Electric Co., Box 617, Edgewater Branch, Cleveland 7, Ohio
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Richards Co., Inc., Arklay S., 78 Winchester St., Newton Highlands 61, Mass.
 Sperti, Inc., Norwood Station, Cincinnati 12, Ohio.
 Star Porcelain Co., 61 Muirhead Ave., Trenton, N. J.
 Steward Mfg. Co., D. M., Chattanooga, Tenn.
STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.
 Waterbury Companies, Inc., Waterbury 90, Conn.
 Wheaton Co., T. C., Industrial Div., 220 G. St., Millville, N. J.

Capacitor Boxes

Moore Co., Howard J., 108 Park Row, New York 7, N. Y.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
 National Gasket Mfg. Co., 122 E. 25th St., New York 10, N. Y.
STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.

Capacitor Films

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Asheville Mica Co., 900 Jefferson Ave., Newport News, Va.
 Celanese Corp. of America, 180 Madison Ave., New York 16, N. Y.
 Mica Fabricating Co., 53 Central Ave., Rochelle Park, N. J.
 Mica Insulator Co., Schenectady 1, N. Y.
 Mica Aircraft Products, Inc., 701 McCarter Highway, Newark 5, N. J.
 Plax Corp., P. O. Box 1019, Hartford, Conn.

Ceramic Insulation Parts

AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
CENTRALAB DIV., of Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.

Cook Ceramic Mfg. Co., 501 Prospect St., Trenton 1, N. J.
 Crowley & Co., Inc., Henry L., 1 Central Ave., West Orange, N. J.
 General Ceramics & Steatite Corp., Keasbey, N. J.
INSULINE CORP. OF AMERICA, 36-02 35th St., Long Island City, N. Y. SEE ADV. PG. 80.
 Kirchberger & Co., Inc., M., 1425 37th St., Brooklyn 18, N. Y.
 Lapp Insulator Co., Inc., 31 Gilbert St., Le Roy, N. Y.
 Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
 Mica Fabricating Co., 53 Central Ave., Rochelle Park, N. J.
 Mykroy Inc., Arlington Hts. Airport, Arlington Hts., Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Scintilla-Magneto Div. Bendix Aviation Corp., Sidney, N. Y.
 Star Porcelain Co., 61 Muirhead Ave., Trenton 9, N. J.
 Steward Mfg. Co., D. M., Chattanooga, Tenn.
STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.
 United Insulator Co., Ltd., Tolworth-Surbiton-Surrey, England

Cut Insulation Parts

Acme Folding Box Co., Inc., 141 E. 25th St., New York, N. Y.
 Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Alden Products Co., 117 N. Main St., Brockton 64, Mass.
 American Hard Rubber Co., 11 Mercer St., New York 13 N. Y.
 Auburn Mfg. Co., Middletown, Conn.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
 Felt Products Mfg. Co., 1504 W. Carroll Ave., Chicago 7, Ill.
 Franklin Mfg. Corp., A. W., 43-20 34th St., L. I. City, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Huse Liberty Mica Co., 171 Camden St., Boston, Mass.
 Industrial Products Co., Danbury, Conn.
 Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Macallen Co., The, 16 Macallen St., Boston 27, Mass.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
 Moore Co., Howard J., 108 Park Row, New York 7, N. Y.
 National Electrical Coil Co., Columbus 16, Ohio
 National Gasket & Mfg. Co., 122 E. 25th St., New York 10, N. Y.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 Plax Corp., P. O. Box 1019, Hartford, Conn.
 Precision Fabricators, Inc., Roosevelt Rd., E. Rochester, N. Y.
 Printloid Inc., 95 Mercer St., New York, N. Y.
 Rogers Corp., Manchester, Conn.
 Varflex Corp., N. Jay St., Rome, N. Y.

Extruded Insulation Parts

Alden Products Co., 117 N. Main St., Brockton 64, Mass.
 American Hard Rubber Co., 11 Mercer St., New York 13, N. Y.
AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
ANCHOR PLASTICS CO., INC., 533-541 Canal St., New York 13, N. Y. SEE ADV. PG. 200.
 Auburn Button Works Inc., 48 Canoga St., Auburn, N. Y.
 Auburn Mfg. Co., Middletown, Conn.

CENTRALAB DIV., of Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 Felt Products Mfg. Co., 1504 W. Carroll Ave., Chicago 7, Ill.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 General Ceramics & Steatite Corp., Keasbey, N. J.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 Huse Liberty Mica Co., 171 Camden St., Boston, Mass.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Irvington Varnish & Insulator Co., 10 Arrgyle Terr., Irvington 11, N. J.
 Kirchberger & Co., Inc., M., 1425 37th St., Brooklyn 18, N. Y.
NATIONAL VARNISHED PRODUCTS CORP., THE, 211 Randolph Ave., Woodbridge, N. J. SEE ADV. PG. 117.
 Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Phila. 44, Pa.
 Plax Corp., P. O. Box 1019, Hartford, Conn.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Star Porcelain Co., 61 Muirhead Ave., Trenton 9, N. J.
 Steward Mfg. Co., D. M., Chattanooga, Tenn.
 Surprenant Mfg. Co., 199 Washington St., Boston 10, Mass.
 Varflex Corp., N. Jay St., Rome, N. Y.

Fabricated Insulation Parts

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Alden Products Co., 117 N. Main St., Brockton 64, Mass.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
 American Hard Rubber Co., 11 Mercer St., New York 13, N. Y.
AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Auburn Mfg. Co., Middletown, Conn.
 Baer Co., N. S., 9 Montgomery St., Hillside, N. J.
 Beach Precision Parts Co., Boonton, N. J.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
 Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
 Electrical Insulation Co., Inc., 12 Vestry St., New York, N. Y.
 Electronic Mechanics Inc., 70 Clifton Blvd., Clifton, N. J.
 Felsenthal & Sons, Inc., G., 4100 W. Grand St., Chicago 51, Ill.
 Felt Products Mfg. Co., 1504 W. Carroll Ave., Chicago 7, Ill.
 Franklin Fibre-Lamitex Corp., 12th and French Sts., Wilmington, Del.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 Fusite Corp., Carthage at Hannaford, Cincinnati 12, Ohio
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 General Ceramics & Steatite Corp., Keasbey, N. J.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 Greenhut Insulation Co., 31 W. 21st St., New York 10, N. Y.
 Industrial Products Co., Danbury, Conn.
 Insulating Fabricators, Inc., 12 E. 12th St., New York 3, N. Y.
 Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.

INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.

Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.

Lamicoid Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.

Macallen Co., The, 16 Macallen St., Boston 27, Mass.

Mica Fabricating Co., 53 Central Ave., Rochelle Park, N. J.

Mica Insulator Co., Schenectady 1, N. Y.

Micarta Fabricators, Inc., 5324 Ravenswood Ave., Chicago 40, Ill.

Molded Insulation Co., Aircraft Control Div., 335 E. Price, Philadelphia, Pa.

Moore Co., Howard J., 108 Park Row, New York 7, N. Y.

MYCALEX CORP. OF AMERICA, 60 Clifton Blvd., Clifton, N. J. SEE ADV. PGS. 124, 125.

Mykroy Inc., Arlington Hts. Airport, Arlington Hts., Ill.

National Electric Coil Co., Columbus 16, Ohio

National Gasket & Washer Mfg. Co., 122 E. 25th St., New York 10, N. Y.

NATIONAL VARNISHED PRODUCTS CORP., THE, 211 Randolph Ave., Woodbridge, N. J. SEE ADV. PG. 117.

NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.

Panelyte Div., St. Regis Paper Co., 230 Park Ave., New York, N. Y.

Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.

Plasticraft Products Co., 20 Hudson St., New York 13, N. Y.

Plax Corp., P. O. Box 1019, Hartford, Conn.

Precision Fabricators Inc., Roosevelt Rd., E. Rochester, N. Y.

Printloid Inc., 95 Mercer St., New York, N. Y.

Radiocrafters, 1156 Commonwealth Ave., Boston 34, Mass.

Rogan Bros., 2500 W. Irving Pk., Chicago 18, Ill.

Rogers Corp., Manchester, Conn.

Spaulding Fibre Co., Inc., 310 Wheeler St., Tonawanda, N. Y.

Steward Mfg. Co., D. M., Chattanooga, Tenn.

Synthane Corp., Oaks, Pa.

Ucinite Co., The, Div., United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.

Willard's, Hampden, Mass.

Insulating Cord

Alden Products Co., 117 N. Main St., Brockton 64, Mass.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.

MITCHELL-RAND INSULATION CO., INC., 51 Murray St., New York 7, N. Y. SEE ADV. PG. 54.

Owens-Corning Fiberglas Corp., 1860 Nicholas Bldg., Toledo 1, Ohio

Insulating Foil

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.

Celanese Corp. of America, 180 Madison Ave., New York 16, N. Y.

Plax Corp., P. O. Box 1019, Hartford, Conn.

Insulating Sleeves

American Hard Rubber Co., 11 Mercer St., New York 13, N. Y.

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.

ANCHOR PLASTICS CO., INC., 533-541 Canal St., New York 13, N. Y. SEE ADV. PG. 200.

Anchor Webbing Co., P. O. Box 1624, Providence, R. I.

BENTLEY HARRIS MFG. CO., Conshohocken, Pa. SEE ADV. PG. 127.

Brandt Co., Wm., 276 Fourth Ave., New York 10, N. Y.

Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.

Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.

Electrical Insulation Co., Inc., 12 Vestry St., New York, N. Y.

Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

General Ceramics & Steatite Corp., Keasbey, N. J.

GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.

Hope Webbing Co., Providence 1, R. I.

Industrial Synthetics Corp., 225 North Ave., Garwood, N. J.

INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.

Irvington Varnish & Insulator Co., 10 Argyle Terrace, Irvington 11, N. J.

Macallen Co., The, 16 Macallen St., Boston 27, Mass.

Mica Insulator Co., Schenectady 1, N. Y.

MITCHELL-RAND INSULATION CO., INC., 51 Murray Street, New York 7, N. Y. SEE ADV. PG. 54.

NATIONAL VARNISHED PRODUCTS CORP., THE, 211 Randolph Ave., Woodbridge, N. J. SEE ADV. PG. 117.

NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.

Panelyte Div., St. Regis Paper Co., 230 Park Ave., New York, N. Y.

Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Philadelphia 44, Pa.

Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.

Precision Fabricators, Inc., Roosevelt Rd., E. Rochester, N. Y.

Printloid Inc., 95 Mercer St., New York, N. Y.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.

Varflex Corp., N. Jay St., Rome, N. Y.

Laminated Insulation Parts

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.

Alden Products Co., 117 N. Main St., Brockton 64, Mass.

Baer Co., N. S., 9 Montgomery St., Hillside, N. J.

Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.

CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.

CINCH MFG. CORP., 2335 Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.

CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Del. SEE ADV. PGS. 119, 120, 121, 122.

Eby, Inc., Hugh H., 4700 Stenton Ave., Philadelphia 44, Pa.

Electrical Insulation Co., Inc., 12 Vestry St., New York 13, N. Y.

Farley & Loetscher Mfg. Co., Dubuque, Iowa

Formica Insulation Co., 4662 Spring Grove Ave., Cincinnati 32, Ohio

Franklin Fibre-Lamitex Corp., 12th and French Sts., Wilmington, Del.

Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.

GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.

Huse Liberty Mica Co., 171 Camden St., Boston, Mass.

Insulating Fabricators, Inc., 12 E. 12th St., New York, N. Y.

Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.

INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.

Lamicoid Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.

Laminated Plastics, Inc., 14838 Euclid Ave., Cleveland 12, Ohio

Mica Fabricating Co., 53 Central Ave., Rochelle Park, N. J.

Mica Insulator Co., Schenectady 1, N. Y.

Micarta Fabricators, Inc., 5324 Ravenswood Ave., Chicago 40, Ill.

National Electric Coil Co., Columbus 16, Ohio

NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.

Panelyte Div., St. Regis Paper Co., 230 Park Ave., New York 17, N. Y.

Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Philadelphia 44, Pa.

Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.

Plasticraft Products Co., 20 Hudson St., New York 13, N. Y.

Precision Fabricators, Inc., Roosevelt Rd., E. Rochester, N. Y.

Rogers Corp., Manchester, Conn.

Synthane Corp., Oaks, Pa.

Taylor Fibre Co., Norristown, Pa.

Ucinite Co., The, Div., United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Phila. 31, Pa.

Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington 99, Del.

Molded Insulation Parts

Alden Products Co., 117 No. Main St., Brockton 64, Mass.

American Insulator Corp., New Freedom, Pa.

American Hard Rubber Co., 11 Mercer St., New York 13, N. Y.

AMERICAN PHENOLIC CORP., 1830 S. 5th Ave., Chicago 50, Ill. SEE ADV. PG. 167.

BIWAX CORP., 3445 Howard St., Skokie, Ill. SEE ADV. PG. 206.

Boonton Molding Co., Boonton, N. J.

Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio

Chicago Die Mold Mfg. Co., 4001 Wrightwood Ave., Chicago 39, Ill.

CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.

Cincinnati Molding Co., 2037 Florence Ave., Cincinnati 6, Ohio

Consolidated Molded Products Corp., Scranton 2, Pa.

CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Del. SEE ADV. PGS. 119-122.

Cutler-Hammer, Inc., 315 N. 12th St., Milwaukee 1, Wis.

Dienmolding Corp., Rasbach St., Canastota, N. Y.

Dimco-Gray Co., 207 E. Sixth St., Dayton, Ohio

Eby, Inc., Hugh H., 4700 Stenton Ave., Philadelphia 44, Pa.

Electronic Mechanics Inc., 70 Clifton Blvd., Clifton, N. J.

Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.

Farley & Loetscher Mfg. Co., Dubuque, Iowa

Felsenthal & Sons, Inc., G., 4100 W. Grand Ave., Chicago 51, Ill.

Formica Insulation Co., 4662 Spring Grove Ave., Cincinnati 32, Ohio

Franklin Fibre-Lamitex Corp., 12th and French Sts., Wilmington, Del.

Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.

GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.

General Industries Co., Taylor & Olive Sts., Elyria, Ohio

Heresite & Chemical Co., Maintowoc, Wis.

Howard Mfg. Corp., 1401 S. Main St., Council Bluffs, Iowa

Insulation Mfg. Co., 11 New York Ave., Brooklyn, N. Y.

Keasbey & Mattison, Ambler, Pa.

Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.

Kurz-Kasch, Inc., 1421 S. Broadway, Dayton 1, Ohio

La Magna Mfg. Co., Inc., East Rutherford, N. J.

Laminated Plastics, Inc., 14838 Euclid Ave., Cleveland 12, Ohio

Luzerne Rubber Co., Muirhead Ave., Trenton, N. J.

Macallen Co., The, 16 Macallen St., Boston 27, Mass.

Mack Molding Co., Wayne, N. J.
 Mayfair Molded Products Corp., 4440 N. Elston Ave., Chicago 30, Ill.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
MYCALEX CORP. OF AMERICA, 60 Clifton Blvd., Clifton, N. J. SEE ADV. PGS. 124, 125.
 Mykroy Inc., Arlington Hts. Airport, Arlington Hts., Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 National Electric Coil Co., Columbus 16, Ohio
 Northern Industrial Chemical Co., 7-11 Elkins St., South Boston 27, Mass.
 Norton Labs., Inc., Lockport, N. Y.
 Oris Mfg. Co., Inc., Thomaston, Conn.
 Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
 Radiocrafters, 1156 Commonwealth Ave., Boston 34, Mass.
 Richardson Co., The, Melrose Park, Ill.
 Rogan Bros., 2500 W. Irving Pk., Chicago 18, Ill.
 Scintilla-Magneto Div., Bendix Aviation Corp., Sidney, N. Y.
 Shaw Insulator Co., 160 Coit St., Irvington 11, N. J.
 Smith Mfg. Co., Nathan R., 105 Pasadena Ave., So. Pasadena, Calif.
 Stokes Molded Products, Inc., Taylor St. at Webster, Trenton, N. J.
 Taylor Fibre Co., Norristown, Pa.
 Taylor Mfg. Co., 3056 W. Meinecke Ave., Milwaukee, 10, Wisc.
 U. S. Plastics Corp., 2835-53 Irving Park Rd., Chicago, Ill.
 Waterbury Companies, Inc., Waterbury 90, Conn.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Plastic Insulation Parts

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 American Hard Rubber Co., 11 Mercer St., New York 13, N. Y.
 American Insulator Corp., New Freedom, Pa.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
ANCHOR PLASTICS CO., INC., 533-541 Canal St., New York 13, N. Y. SEE ADV. PG. 200.
 Baer Co., N. S., 9 Montgomery St., Hillside, N. J.
BIWAX CORP., 3445 Howard St., Skokie, Ill. SEE ADV. PG. 206.
 Bontoon Molding Co., Bontoon, N. J.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
 Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
 Celanese Corp. of America, 180 Madison Ave., New York 16, N. Y.
 Chicago Die Mold Mfg. Co., 4001 Wrightwood Ave., Chicago 39, Ill.
 Cincinnati Molding Co., 2037 Florence Ave., Cincinnati 6, Ohio
 Consolidated Molded Prods. Corp., Scranton 2, Pa.
CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Delaware. SEE ADV. PGS. 119-122.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 Diemolding Corp., Rasbach St., Canastota, N. Y.
 Electrical Insulation Co., Inc., 12 Vestry St., New York, N. Y.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 Felsenthal & Sons, Inc., G., 4100 W. Grand Ave., Chicago 51, Ill.
 Formica Insulation Co., 4662 Spring Grove Ave., Cincinnati 32, Ohio
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 Gemloid Corp., 79-10 Albion Ave., Elmhurst, N. Y.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.

General Industries Co., Taylor & Olive Sts., Elyria, Ohio
 Greenhut Insulation Co., 31 W. 21st St., New York 10, N. Y.
 Howard Mfg. Corp., 1401 S. Main St., Council Bluffs, Iowa
 Huse Liberty Mica Co., 171 Camden St., Boston, Mass.
 Industrial Products Co., Danbury, Conn.
 Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.
 Insulation Mfg. Co., 11 New York Ave., Brooklyn, N. Y.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Kurz-Kasch, Inc., 1421 S. Broadway, Dayton 1, Ohio
 Lamicaid Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.
 Laminated Plastics, Inc., 14838 Euclid Ave., Cleveland 12, Ohio
 Mayfair Molded Products Corp., 4440 N. Elston Ave., Chicago 30, Ill.
 Mica Fabricating Co., 53 Central Ave., Rochelle Park, N. J.
 Micacraft Products Inc., 701 McCarter Highway, Newark 5, N. J.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
MYCALEX CORP. OF AMERICA, 60 Clifton Blvd., Clifton, N. J. SEE ADV. PGS. 124, 125.
 Mykroy, Inc., Arlington Hts. Airport, Arlington, Hts., Ill.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 Northern Industrial Chemical Co., 7-11 Elkins St., So. Boston 27, Mass.
 Norton Labs., Inc., Lockport, N. Y.
 Panelyte Div., St. Regis Paper Co., 230 Park Ave., New York 17, N. Y.
 Parisian Novelty Co., 3510 South Western Ave., Chicago 9, Ill.
 Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
 Plasticraft Products Co., 20 Hudson St., New York 13, N. Y.
 Plax Corp., P. O. Box 1019, Hartford, Conn.
 Precision Fabricators Inc., Roosevelt Rd., E. Rochester, N. Y.
 Printloid Inc., 95 Mercer St., New York, N. Y.
 Radiocrafters, 1156 Commonwealth Ave., Boston 34, Mass.
 Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
 Richardson Co., The, Melrose Park, Ill.
 Rogan Bros., 2500 W. Irving Pk., Chicago 18, Ill.
 Rogers Corp., Manchester, Conn.
 Scintilla-Magneto Div., Bendix Aviation Corp., Sidney, N. Y.
 Shaw Insulator Co., 160 Coit St., Irvington 11, N. J.
 Sillocks-Miller Co., 10 Parker Ave. W., So. Orange, N. J.
 Spaulding Fibre Co., Inc., 310 Wheeler St., Tonawanda, N. Y.
 Stokes Molded Products, Inc., Taylor St. at Webster, Trenton, N. J.
 Synthane Corp., Oaks, Pa.
 Taylor Fibre Co., Norristown, Pa.
 Taylor Mfg. Co., 3056 W. Meinecke Ave., Milwaukee, 10, Wisc.
 Ucinite Co., The, Div., United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
 U. S. Plastics Corp., 2835-53 Irving Park Rd., Chicago, Ill.
 Varflex Corp., N. Jay St., Rome, N. Y.
 Waterbury Companies, Inc., Waterbury 90, Conn.
 Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Phila. 31, Pa.
 Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington 99, Del.

Rods

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 American Hard Rubber Co., 11 Mercer St., New York 13, N. Y.

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
ANCHOR PLASTICS CO., INC., 533-541 Canal St., New York 13, N. Y. SEE ADV. PG. 200.
 Blum & Co., Julius, 532 W. 22nd St., New York 11, N. Y.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Del. SEE ADV. PGS. 119-122.
 du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.
 Electrical Insulation Co., 12 Vestry St., New York, N. Y.
 Formica Insulation Co., 4662 Spring Grove Ave., Cincinnati 32, Ohio
 Franklin Fibre-Lamitex Corp., 12th & French Sts., Wilmington, Del.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 General Ceramics & Steatite Corp., Keasbey, N. J.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 Industrial Synthetics Corp., 225 North Ave., Garwood, N. J.
 Insulating Fabricators of New England Inc., 69 Grove St., Watertown 72, Mass.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Lamicaid Fabricators Inc., 4545 Cortland St., Chicago 39, Ill.
 Luzerne Rubber Co., Muirhead Ave., Trenton, N. J.
 Mica Insulator Co., Schenectady 1, N. Y.
 Mykroy Inc., Arlington Hts. Airport, Arlington Hts., Ill.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Delaware. SEE ADV. PG. 31.
 Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Phila. 44, Pa.
 Plax Corp., P. O. Box 1019, Hartford, Conn.
 Spaulding Fibre Co. Inc., 310 Wheeler St., Tonawanda, N. Y.
 Synthane Corp., Oaks, Pa.
 Taylor Fibre Co., Norristown, Pa.
 United Radio Mfg. Co., 191 Greenwich St., New York, N. Y.
 Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington 99, Del.

Screw Machine Parts

Ace Mfg. Corp., 1255 E. Erie Ave., Philadelphia 24, Pa.
 Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
ALLMETAL SCREW PRODUCTS CO., INC., 33 Greene St., New York 13, N. Y. SEE ADV. PG. 32.
ART-LLOYD METAL PRODUCTS CORP., 2973 Cropsy Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
 Breeze Corpn., Inc., 41 S. Sixth St., Newark 7, N. J.
 Buchmann Spark-Wheel Corp., 4-20 47th Ave., Long Island City 1, N. Y.
CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Del. SEE ADV. PGS. 119-122.
 Eby, Inc., Hugh H., 4700 Stenton Ave., Philadelphia 44, Pa.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 Franklin Fibre-Lamitex Corp., 12th and French Sts., Wilmington, Del.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Industrial Products Co., Danbury, Conn.
 Insulating Fabricators, Inc., 12 E. 12th St., New York 3, N. Y.
 Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.

Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Lamicoïd Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 Panelyte Div., St. Regis Paper Co., 230 Park Ave., New York 17, N. Y.
 Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Philadelphia 44, Pa.
 Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
 Reister Mfg. Co., Hagerstown, Md.
 Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Spaulding Fibre Co., Inc., 310 Wheeler St., Tonawanda, N. Y.
 Stimpson Co., Inc., Edwin B., 74 Franklin Ave., Brooklyn 5, N. Y.
 Synthane Corp., Oaks, Pa.
 Taylor Fibre Co., Norristown, Pa.
 United Carr Fastener Corp., Cambridge 42, Mass.
 United Screw & Bolt Corp., 2513 W. Cullerton St., Chicago, Ill.

Sheets

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 American Hard Rubber Co., 11 Mercer St., New York 13, N. Y.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Auburn Mfg. Co., Middletown, Conn.
 Baer Co., N. S., 9 Montgomery St., Hillside, N. J.
 Blum & Co., Julius, 532 W. 22nd St., New York 11, N. Y.
 Celanese Corp. of America, 180 Madison Ave., New York 16, N. Y.
 du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.
 Electrical Insulation Co., Inc., 12 Vestry St., New York, N. Y.
 Electro-Technical Products Div., Sun Chemical Corp., Nutley 10, N. J.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 Fornica Insulation Co., 4662 Spring Grove Ave., Cincinnati 32, Ohio
 Franklin Fibre-Lamitex Corp., 12th and French Sts., Wilmington, Del.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 Huse Liberty Mica Co., 171 Camden St., Boston, Mass.
 Industrial Synthetics Corp., 225 North Ave., Garwood, N. J.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Lamicoïd Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.
 Laminated Plastics, Inc., 14838 Euclid Ave., Cleveland 12, Ohio
 Mica Insulator Co., Schenectady 1, N. Y.
 Moore Co., Howard J., 108 Park Row, New York 7, N. Y.
 Mykroy Inc., Arlington Hts. Airport, Arlington Hts., Ill.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 Panelyte Div., St. Regis Paper Co., 230 Park Ave., New York, N. Y.
 Penn Fibre & Specialty Co., 2039 E. Westmoreland St., Philadelphia 44, Pa.
 Plax Corp., P. O. Box 1019, Hartford, Conn.
 Spaulding Fibre Co., Inc., 130 Wheeler St., Tonawanda, N. Y.
 Surprenant Mfg. Co., 199 Washington St., Boston 10, Mass.
 Synthane Corp., Oaks, Pa.
 Taylor Fibre Co., Norristown, Pa.
 United Radio Mfg. Co., 191 Greenwich St., New York, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Stampings & Punchings—Ceramic

AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
ART-LLOYD METAL PRODS. CORP., 2973 Cropsey Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.
CENTRALAB, DIV. of Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
 Cook Ceramic Mfg. Co., 501 Prospect St., Trenton 1, N. J.
 Federal Tool & Mfg. Co., 3600 Alabama Ave., St. Louis Park, Minneapolis 16, Minn.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 General Ceramics & Steatite Corp., Keasbey, N. J.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Kirchberger & Co., Inc., M., 1425 37th St., Brooklyn 18, N. Y.
 Mykroy Inc., Arlington Hts. Airport, Arlington Hts., Ill.
 Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Philadelphia 44, Pa.
 Reister Mfg. Co., Hagerstown, Md.
 Star Porcelain Co., 61 Muirhead Ave., Trenton 9, N. J.
 Steward Mfg. Co., D. M., Chattanooga, Tenn.
 Wisconsin Porcelain Co., Sun Prairie, Wisconsin

Stampings & Punchings—Fibre

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
ART-LLOYD METAL PRODS. CORP., 2973 Cropsey Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.
 Auburn Mfg. Co., Middletown, Conn.
 Baer Co., N. S., 9 Montgomery St., Hillside, N. J.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Del. SEE ADV. PGS. 119-122.
 Eby, Inc., Hugh H., 4700 Stenton Ave., Philadelphia 44, Pa.
 Electrical Insulation Co., Inc., 12 Vestry St., New York 13, N. Y.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 Federal Tool & Mfg. Co., 3600 Alabama Ave., St. Louis Park, Minneapolis 16, Minn.
 Felt Products Mfg. Co., 1504 W. Carroll Ave., Chicago 7, Ill.
 Franklin Fibre-Lamitex Corp., 12th and French Sts., Wilmington, Del.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 Gasket Engineering Co., 2440 Charlotte St., Kansas City 8, Mo.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Huse Liberty Mica Co., 171 Camden St., Boston, Mass.
 Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.
 Insulating Fabricators, Inc., 12 E. 12th St., New York 3, N. Y.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Lamicoïd Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.
 Lansky Die Cutting Co., 192½ Greene St., New York 12, N. Y.
 Micarta Fabricators, Inc., 5324 Ravenswood Ave., Chicago 40, Ill.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
 Moore Co., Howard J., 108 Park Row, New York 7, N. Y.

National Gasket & Washer Mfg. Co., 122 E. 25th St., New York 10, N. Y.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Philadelphia 44, Pa.
 Precision Fabricators Inc., Roosevelt Rd., E. Rochester, N. Y.
 Reister Mfg. Co., Hagerstown, Md.
 Rogers Corp., Manchester, Conn.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Spaulding Fibre Co., Inc., 310 Wheeler St., Tonawanda, N. Y.
 Sperman Metal Specialties, 27 Columbia Place, Brooklyn 2, N. Y.
STAVIER CO., INC., 91 Pearl St., Brooklyn 1, N. Y. SEE ADV. PG. 188.
 Synthane Corp., Oaks, Pa.
 Taylor Fibre Co., Norristown, Pa.
 Willard's, Hampden, Mass.
 Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington 99, Del.

Stampings & Punchings—Paper—Mica

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Aldine Paper Co., Inc., 535 5th Ave., New York 17, N. Y.
 Asheville Mica Co., 900 Jefferson Ave., Newport News, Va.
 Auburn Mfg. Co., Middletown, Conn.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Electrical Insulation Co., Inc., 12 Vestry St., New York 13, N. Y.
 Electro-Technical Products Div., Sun Chemical Corp., Nutley 10, N. J.
 Federal Tool & Mfg. Co., 3600 Alabama Ave., St. Louis Park, Minneapolis 16, Minn.
 Felt Products Mfg. Co., 1504 W. Carroll Ave., Chicago 7, Ill.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Huse Liberty Mica Co., 171 Camden St., Boston, Mass.
 Insulating Fabricators, Inc., 12 E. 12th St., New York 3, N. Y.
 Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Irvington Varnish & Insulator Co., 10 Argyle Terrace, Irvington 11, N. J.
 Lamicoïd Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.
 Lansky Die Cutting Co., 192½ Greene St., New York 12, N. Y.
 Moore Co., Howard J., 108 Park Row, New York 7, N. Y.
 National Gasket & Washer Mfg. Co., 122 E. 25th St., New York 10, N. Y.
NATIONAL VARNISHED PRODUCTS CORP., THE, 211 Randolph Ave., Woodbridge, N. J. SEE ADV. PG. 117.
 Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Philadelphia 44, Pa.
 Precision Fabricators, Inc., Roosevelt Rd., E. Rochester, N. Y.
 Rogers Corp., Manchester, Conn.
 Volkert Metal Stampings, Inc., John, 141 Spencer St., Brooklyn 5, N. Y.
 Willard's, Hampden, Mass.
 Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington 99, Del.

Tapes, Insulating

Acme Wire Co., New Haven 14, Conn.
 Aldine Paper Co., 535 5th Ave., New York 17, N. Y.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Anchor Webbing Co., P. O. Box 1624, Providence, R. I.

BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.

Brown-Bridge Mills Inc., Troy, Ohio
Celanese Corp. of America, 180 Madison Ave., New York 16, N. Y.

CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Del. SEE ADV. PGS. 119-122.

Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.

Dobackmun Co., The Industrial Products Div., Cleveland 1, Ohio

du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.

Electro-Technical Products Div., Sun Chemical Corp., Nutley 10, N. J.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.

Hope Webbing Co., Providence 1, R. I.
Industrial Synthetics Corp., 225 North Ave., Garwood, N. J.

Insulating Fabricators, Inc., 12 E. 12th St., New York 3, N. Y.

INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.

Interstate Mfg. Corp., 138 Sussex Ave., Newark 4, N. J.

Irvington Varnish & Insulator Co., 10 Argyle Terr., Irvington 11, N. J.

Linton & Bros. Inc., Horace, 3081 Ruth St., Philadelphia 34, Pa.

Macallen Co., The, 16 Macallen St., Boston 27, Mass.

Mica Insulator Co., Schenectady 1, N. Y.

Minnesota Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.

MITCHELL-RAND INSULATION CO., INC., 51 Murray St., New York 7, N. Y. SEE ADV. PG. 54.

National Electric Coil Co., Columbus 16, Ohio

NATIONAL VARNISHED PRODUCTS CORP., 211 Randolph Ave., Woodbridge, N. J. SEE ADV. PG. 117.

Okonite Co., Canal St., Passaic, N. J.

Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Philadelphia 44, Pa.

Plax Corp., P. O. Box 1019, Hartford, Conn.

Ruberoid Co., The, 500 Fifth Ave., New York 18, N. Y.

Surprenant Mfg. Co., 199 Washington St., Boston 10, Mass.

U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.

Wright & Sons Co., Wm. E., West Warren, Mass.

INSULATORS—Antenna Insulators & Spring Assemblies

Aeronautical Radio Mfg. Co., 155 First Street, Mineola, N. Y.

AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.

General Ceramics & Steatite Corp., Keasbey, N. J.

Insulation Mfg. Co., 11 New York Ave., Brooklyn, N. Y.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.

Lapp Insulator Co., Inc., 31 Gilbert St., LeRoy, N. Y.

Locke Incorporated, P. O. Box 57, Baltimore 3, Md.

Mykroy Inc., Arlington Hts. Airport, Arlington Hts., Ill.

National Electronic Mfg. Corp., 35-05 36th St., Long Island City, N. Y.

PREMAX PRODS. DIV., Chisholm-Ryder Co. Inc., Niagara Falls 2, N. Y. SEE ADV. PG. 44.

Technical Appliance Corp., Sherburne, N. Y.

Ward Products Corp., Div. of the Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio

INSULATORS—Can Liner

Acme Folding Box Co. Inc., 141 E. 25th St., New York, N. Y.

Auburn Mfg. Co., Middletown, Conn.

Lamicoid Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.

Mica Insulator Co., Schenectady 1, N. Y.

Moore Co., Howard J., 108 Park Row, New York 7, N. Y.

PRECISION PAPER TUBE CO., 2033 W. Charleston St., Chicago 47, Ill. SEE ADV. PG. 112.

Rogers Corporation, Manchester, Conn.

Willard's, Hampden, Mass.

INSULATORS—Ceramic

AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.

CENTRALAB DIV., Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.

Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.

Cook Ceramic Mfg. Co., 501 Prospect St., Trenton 1, N. J.

Crowley & Co. Inc., Henry L., 1 Central Ave., West Orange, N. J.

Electrical Refractories Co., 50 Clark St., E. Palestine, Ohio

General Ceramics & Steatite Corp., Keasbey, N. J.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.

J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.

Johnson Co., E. F., Waseca, Minn.

Kirchberger & Co. Inc., M., 1425 37th St., Brooklyn 18, N. Y.

Lapp Insulator Co., Inc., 31 Gilbert St., LeRoy, N. Y.

Locke Incorporated, P. O. Box 57, Baltimore 3, Md.

Mica Fabricating Co., 53 Central Ave., Rochelle Park, N. J.

Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.

MYCALEX CORP. OF AMERICA, 60 Clifton Blvd., Clifton, N. J. SEE ADV. PGS. 124, 125.

Mykroy Inc., Arlington Hts. Airport, Arlington Hts., Ill.

National Electronic Mfg. Corp., 35-05 36th St., Long Island City 5, N. Y.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Richards Co., Inc., Arklay S., 78 Winchester St., Newton Highlands 61, Mass.

Scintilla-Magneto Div., Bendix Aviation Corp., Sidney, N. Y.

Star Porcelain Co., 61 Muirhead Ave., Trenton 9, N. J.

Steward Mfg. Co., D. M., Chattanooga, Tenn.

STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.

Technical Appliance Corp., Sherburne, N. Y.

United Insulator Co., Ltd., Tolworth-Surbiton-Surrey, England

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

INSULATORS—Feeder Spreader

AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.

CENTRALAB DIV., Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.

Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.

General Ceramics & Steatite Corp., Keasbey, N. J.

Johnson Co., E. F., Waseca, Minn.

Lapp Insulator Co., Inc., 31 Gilbert St., LeRoy, N. Y.

Locke Incorporated, P. O. Box 57, Baltimore 3, Md.

Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.

Mykroy Inc., Arlington Hts. Airport, Arlington Hts., Ill.

NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.

Printloid, Inc., 95 Mercer St., New York, N. Y.

STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.

INSULATORS—Fused Quartz

Amersil Co., Inc., Hillside, N. J.

Hanovia Chemical & Mfg. Co., 233 N. J. RR Ave., Newark, N. J.

Mica Fabricating Co., 53 Central Ave., Rochelle Park, N. J.

Syncor Products Co., Malden, Mass.

INSULATORS—High Dielectric Paper

Auburn Mfg. Co., Middletown, Conn.

Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

Huse Liberty Mica Co., 171 Camden St., Boston, Mass.

INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.

Mica Fabricating Co., 53 Central Ave., Rochelle Park, N. J.

Moore Co., Howard J., 108 Park Row, New York 7, N. Y.

Precision Fabricators, Inc., Roosevelt Rd. E. Rochester, N. Y.

Rogers Corp., Manchester, Conn.

Willard's, Hampden, Mass.

INSULATORS—Mast Guy

CENTRALAB DIV., Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.

General Ceramics & Steatite Corp., Keasbey, N. J.

INSULATION MFG. CO., 11 New York Ave., Brooklyn, N. Y. SEE ADV. PG. 137.

J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.

Johnson Co., E. F., Waseca, Minn.

Lapp Insulator Co., Inc., 31 Gilbert St., LeRoy, N. Y.

Locke Incorporated, P. O. Box 57, Baltimore 3, Md.

National Electronic Mfg. Corp., 35-05 36th St., Long Island City, N. Y.

STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.

Technical Appliance Corp., Sherburne, N. Y.

INSULATORS—Passthrough & Bushing

AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.

Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.

BUD RADIO INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.

CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.

CENTRALAB DIV., Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.

Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.

Cook Ceramic Mfg. Co., 501 Prospect St., Trenton 1, N. J.

Electronic Mechanics Inc., 70 Clifton Blvd., Clifton, N. J.

General Ceramics & Steatite Corp., Keasbey, N. J.

HERMETIC SEAL PRODUCTS CO., 29-37 S. 6th St., Newark, N. J. SEE ADV. PG. 223.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.

Interstate Mfg. Corp., 138 Sussex Ave., Newark 4, N. J.

J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.

Johnson Co., E. F., Waseca, Minn.

Lapp Insulator Co., Inc., 31 Gilbert St., LeRoy, N. Y.

Locke Incorporated, P. O. Box 57, Baltimore 3, Md.

Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.

MYCALEX CORP. OF AMERICA, 60 Clifton Blvd., Clifton, N. J. SEE ADV. PGS. 124, 125.

Mykroy Inc., Arlington Hts. Airport, Arlington Hts., Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Printloid, Inc., 95 Mercer St., New York, N. Y.
 Radiocrafters, 1156 Commonwealth Ave., Boston 34, Mass.
 Technical Appliance Corp., Sherburne, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

INSULATORS—Standoff & Cone

AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
BUD RADIO INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
CENTRALAB DIV., Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
 Cook Ceramic Mfg. Co., 501 Prospect St., Trenton 1, N. J.
 Electronic Mechanics Inc., 70 Clifton Blvd., Clifton, N. J.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 General Ceramics & Steatite Corp., Keasbey, N. J.
HERMETIC SEAL PRODUCTS CO., 29-37 S. 6th St., Newark, N. J. SEE ADV. PG. 223.
 Insulation Mfg. Co., 11 New York Ave., Brooklyn, N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Interstate Mfg. Corp., 138 Sussex Ave., Newark 4, N. J.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Johnson Co., E. F., Waseca, Minn.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Lapp Insulator Co., Inc., 31 Gilbert St., LeRoy, N. Y.
 Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Mueller Electric Co., 1583 E. 31st St., Cleveland 14, Ohio
 Mykroy Inc., Arlington Hts. Airport, Arlington Hts., Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
PREMAX PRODUCTS DIV., Chisholm-Ryder Co., Inc., Niagara Falls 2, N. Y. SEE ADV. PG. 44.
 Printloid, Inc., 95 Mercer St., New York, N. Y.
 Steward Mfg. Co., D. M., Chattanooga, Tenn.
STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.
 Technical Appliance Corp., Sherburne, N. Y.
 Ward Products Corp., Div. of the Gabriel Corp., 1523 E. 45th St., Cleveland 3, Ohio
 Winchester Electronics Co., The, 6 East 46th St., New York 17, N. Y.

INSULATORS—Strain

Aeronautical Radio Mfg. Co., 155 First St., Mineola, N. Y.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
CENTRALAB DIV., Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Cook Ceramic Mfg. Co., 501 Prospect St., Trenton 1, N. J.
 Corning Glass Works, Corning, N. Y.
 Electronic Mechanics Inc., 70 Clifton Blvd., Clifton, N. J.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 General Ceramics & Steatite Corp., Keasbey, N. J.

Insulation Mfg. Co., 11 New York Ave., Brooklyn, N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Interstate Mfg. Corp., 138 Sussex Ave., Newark 4, N. J.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Johnson Co., E. F., Waseca, Minn.
 Lapp Insulator Co., Inc., 31 Gilbert St., LeRoy, N. Y.
 Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
 Macallen Co., The, 16 Macallen St., Boston 27, Mass.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Mykroy Inc., Arlington Hts. Airport, Arlington Hts., Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Steward Mfg. Co., D. M., Chattanooga, Tenn.
STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

INSULATORS—Test Clip

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Industrial Devices Inc., 22 State Road, Edgewater, N. J.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Mueller Electric Co., 1583 E. 31st Street, Cleveland 14, Ohio

INSULATORS—Thermocouple

AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
CENTRALAB DIV., Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
 General Ceramics & Steatite Corp., Keasbey, N. J.
 Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
 Minneapolis Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
 Mykroy, Inc., Arlington Hts. Airport, Arlington Hts., Ill.
 Richards Co., Inc., Arklay S., 78 Winchester St., Newton Highlands 61, Mass.
 Steward Mfg. Co., D. M., Chattanooga, Tenn.
STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
 Wheelco Instruments Co., 847 W. Harrison St., Chicago 7, Ill.

INSULATORS—Tower

Lapp Insulator Co., Inc., 31 Gilbert St., LeRoy, N. Y.
 Locke Incorporated, P. O. Box 57, Baltimore 3, Md.

INSULATORS—Transmitting Antenna

AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
CENTRALAB DIV., Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
 Corning Glass Works, Corning, N. Y.
 General Ceramics & Steatite Corp., Keasbey, N. J.
 Johnson Co., E. F., Waseca, Minn.
 Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.

Mykroy, Inc., Arlington Hts. Airport, Arlington Hts., Ill.
PREMAX PRODUCTS DIV., Chisholm-Ryder Co., Inc., Niagara Falls 2, N. Y. SEE ADV. PG. 44.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.
 Ward Products Corp., Div. of the Gabriel Corp., 1523 E. 45th St., Cleveland 3, Ohio

INTEGRATORS—Electronic

American Electronengineering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Eckert-Mauchly Computer Corp., 3747 Ridge Ave., Philadelphia 32, Pa.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
 O'Connor & Co., John T., West Orange, N. J.
 Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
 Scott Inc., Herman Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
 Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Thermo Labs, Inc., 355 W. 26th St., New York 1, N. Y.
 Wilson & Co., G. C., 2 N. Passaic Ave., Chatham, N. J.

INTERCOMMUNICATION SYSTEMS

American Electronengineering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
 Bell Sound Systems, Inc., 555 Marion Rd., Columbus 7, Ohio
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Bogen Co., David, 663 Broadway, New York 12, N. Y.
 Boom Electric & Amplifier Co., 1227 W. Washington Blvd., Chicago 7, Ill.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Commercial Radio Sound Corp., 575 Lexington Ave., New York 22, N. Y.
 Communicating Systems Inc., 203 E. 18th St., New York 3, N. Y.
 Connecticut Telephone & Electric Div., Great American Industries, 70 Britannia St., Meriden, Conn.
 Cooper Electronic Products Co., 5106 Frankford Ave., Phila. 24, Pa.
 Dalmo Victor Co., San Carlos, California
 Electronic Engineers, 1039 B Pacific St., Santa Monica, Calif.
 Electronic Labs, Inc., 24 W. 24th St., Indianapolis 4, Indiana
 Electronic Systems Co., 201 N. Wells Ave., Chicago 1, Ill.
 Executone Inc., 415 Lexington Ave., New York 17, N. Y.
 Godfrey Mfg. Co., 171 S. 2nd St., Milwaukee 4, Wis.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Lake Mfg. Co., 2323 Chestnut St., Oakland 7, Calif.
 Loge Sound Engineers, J. M., 2171 W. Washington Blvd., Los Angeles 7, Calif.
 Lyman Electronic Corp., 12 Cass St., Springfield, Mass.
 Miles Reproducer Co. Inc., 812 Broadway, New York 3, N. Y.
 National Intercommunicating Systems, 1531 Devon Ave., Chicago 26, Ill.
 Operadio Mfg. Co., 135th & Indiana Sts., St. Charles, Ill.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Rauland-Borg Corp., 4245 N. Knox Ave., Chicago 41, Ill.

Ripley Co., Inc., P. O. Box 31, Middletown, Conn. St. Louis Microphone Co., 2726-28 Brentwood Blvd., St. Louis 17, Mo.

SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.

Simpson Mfg. Co., Inc., Mark, 32-28 49th St., L. I. City 3, N. Y.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

Stark Sound Engineering Co., 2131 Fairfield, Ft. Wayne 7, Ind.

Talk-A-Phone Mfg. Co., 1512 S. Pulaski Rd., Chicago 23, Ill.

Tech-Master Products Co., 443-445 Broadway, New York 13, N. Y.

Telephonics Corp., 350 W. 31st St., New York 1, N. Y.

U. S. Instrument Corp., 409 Broad St., Summit, N. J.

Webster Electric Co., 1900 Clark St., Racine, Wis.

Western Sound & Electric Labs., Inc., 805 S. Fifth St., Milwaukee 4, Wis.

Weston Laboratories, Weston 93, Mass.

INVERTERS

Airpax Products Co., 1024 Greenmount Ave., Baltimore 2, Md.

AMERICAN TELEVISION & RADIO CO., 300 E. Fourth St., St. Paul 1, Minn. SEE ADV. PG. 192.

CONTINENTAL ELECTRIC CO., INC., 334 Ferry St., Newark 5, N. J. SEE ADV. PG. 224.

Cook Electric Co., 2700 Southport Ave., Chicago, Ill.

Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.

Eicor, Inc., 1501 W. Congress St., Chicago 7, Ill.

Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.

Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.

Electronic Laboratories, Inc., 24 W. 24th St., Indianapolis 4, Ind.

Electronic Specialty Co., 3456 Glendale Blvd., Los Angeles, Calif.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.

Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.

Leland Electric Co., The, 1501 Webster St., Dayton 1, Ohio

Lynch Co., F. W., 151 2nd St., San Francisco, Calif.

Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.

Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.

Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.

Norman Labs., Ernst, Williams Bay, Wis.

Radiart Corp., The, 3571 W. 62nd St., Cleveland 2, Ohio

Radio Mfg. Engineers Inc., 300-06 First Ave., Peoria 6, Ill.

Robbins & Myers, Inc., 1345 Lagonda Ave., Springfield 99, Ohio

SORENSEN & CO., INC., 375 Fairfield Ave., Stamford, Conn. SEE ADV. PG. 211.

Varo Mfg. Co., Inc., Box 638, Garland, Texas

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

IRONS—Electric Soldering

Acme Electric Heating Co., 1217 Washington St., Boston, Mass.

American Electrical Heater Co., 6110 Cass Ave., Detroit 2, Mich.

Drake Electric Works, 3656 Lincoln Ave., Chicago 13, Ill.

Dual Remote Control Co., Garden City, Mich.

Eagle Electric Co., Inc., 23-10 Bridge Plaza S., L. I. City, N. Y.

EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 192.

ELECTRIC SOLDERING IRON CO., W. Elm St., Deep River, Conn. SEE ADV. PG. 30.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

Hexacon Electric Company, 130 W. Clay Ave., Roselle Park, N. J.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.

Jackson Electro Corp., 124 Bleeker St., New York, N. Y.

Kelnor Mfg. Co., 215 Kearny St., San Francisco 8, Calif.

Kenode Mfg. Co., 161 W. 18th St., New York 11, N. Y.

Kwikheat Mfg. Co., 3722 San Fernando Road, Glendale 4, Calif.

Lenk Mfg. Co., 300 Cummington St., Boston 15, Mass.

Luna Electric Equipment Co., P. O. Box 132, Toledo 1, Ohio

Multi-Products Tool Co., 123 Sussex Ave., Newark 4, N. J.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

Stanley Works, The, New Britain, Conn.

TRANSVISION, INC., 460 North Ave., New Rochelle, N. Y. SEE ADV. PG. 172.

Ungar Electric Tools, Inc., 615 Ducommun St., Los Angeles 54, Calif.

Vasco Electrical Mfg. Co., 4116 Avalon Blvd., Los Angeles, Calif.

VULCAN ELECTRIC CO., 88 Holten St., Danvers, Mass. SEE ADV. PG. 88.

Waage Electric Inc., 54 Park Pl., New York 7, N. Y.

Weller Mfg. Co., 806 Packer St., Easton, Pa.

ISOLATION COUPLER—f-m Antenna

Johnson Co., E. F., Waseca, Minn.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Ward Products Corp., Div. of the Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio

ISOTOPES—Radioactive

ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.

Isotopes Div., Atomic Energy Commission, Oak Ridge, Tenn

JACKS

See Plugs and Jacks

JEWELS—Glass

Bird Co., Richard H., 1 Spruce St., Waltham, Mass.

DIAL LIGHT CO. OF AMERICA, INC., 900 Broadway, New York 3, N. Y. SEE ADV. PG. 220.

GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.

Johnson Co., E. F., Waseca, Minn.

Kilburn Glass Co., Inc., J. R., 22 S. Worcester St., Chartley, Mass.

Kopp Glass Inc., 1 E. 42nd St., New York 17, N. Y.

Smith, Inc., Herman H., 405-44th St., Brooklyn 20, N. Y.

Walco Sales Co., 60 Franklin St., East Orange, N. J.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

JUMPERS—Bonding

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.

Aeronautical Radio Mfg. Co., 155 First St., Mineola, L. I., N. Y.

American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio

Columbus Electronics Corp., 229 S. Waverly St., Yonkers, N. Y.

Rattan Mfg. Co., The, 10 Wall St., New Haven 7, Conn.

Whitaker Cable Corp., Kansas City 16, Mo.

KEYERS & COUPLERS

Boehme Inc., H. O., 915 Broadway, New York, N. Y.

Erco Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.

Gates Radio Co., Quincy, Ill.

McElroy Mfg. Corp., Littleton, Mass.

NORTHERN RADIO CO., INC., 143-145 W. 22nd St., New York 11, N. Y. SEE ADV. PGS. 153-155.

Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.

RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.

Schuttig & Co., Inc., 9th & Kearney Sts., N. E., Washington 17, D. C.

Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.

KEYS & CODING EQUIPMENT

Alden Products Co., 117 No. Main St., Brockton 64, Mass.

Boehme Inc., H. O., 915 Broadway, New York, N. Y.

CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.

Corona Engineering Service, 94-52 Corona Ave., Elmhurst, N. Y.

Erco Radio Labs., Inc., East Stewart Ave., Garden City, N. Y.

Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.

Johnson Co., E. F., Waseca, Minn.

Telephonics Corp., 350 West 31st St., New York 1, N. Y.

Vibroplex Co., Inc., 833 Broadway, New York, N. Y.

Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

KILOVOLTMETERS

Assembly Products, Inc., Chagrin Falls 6, Ohio

BALLANTINE LABS. INC., Boonton, N. J. SEE ADV. PG. 134.

BETA ELECTRONICS CO., 1762 3rd Ave., New York 29, N. Y. SEE ADV. PG. 126.

Bradshaw Instruments Co., 348 Livingston St., Brooklyn 17, N. Y.

Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.

De Jur-Ansco Corp., Northern Blvd. at 45th St., L. I. C. 1, N. Y.

Douglas Radio Labs., 40 Wayland St., Boston 25, Mass.

Electronic Design & Mfg. Corp., Burlington, Iowa

Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska

ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.

FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

Heath Co., Benton Harbor, Mich.

Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio

Johnson Co., E. F., Waseca, Minn.

MARION ELECTRICAL INSTRUMENTS CO., Manchester, N. H. SEE ADV. PG. 79.

Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.

Rawson Electrical Instrument Co., 110 Potter St., Cambridge 42, Mass.

Sensitive Research Instrument Corp., 9 Elm Ave., Mt. Vernon, N. Y.

Shalleross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

KLYSTRON

See Tubes

KNOBS—Plastic Molded

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 American Hard Rubber Co., 11 Mercer St., New York 13, N. Y.
 American Insulator Corp., New Freedom, Pa.
 Birnbach Radio Co. Inc., 145 Hudson St., New York, N. Y.
 Boonton Molding Co., Boonton, N. J.
BUD RADIO INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
 Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
 Catalin Corp. of America, 1 Park Ave., New York 16, N. Y.
 Chicago Die Mold Mfg. Co., 4001 Wrightwood Ave., Chicago 39, Ill.
 Consolidated Molded Products Corp., Scranton 2, Pa.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Davies Molding Co., Harry, 1428 N. Wells St., Chicago 10, Ill.
 Diemolding Corp., Rasbach St., Canastota, N. Y.
 Dimco-Gray Co., 207 E. Sixth St., Dayton, Ohio
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Gordon Specialties Co., 542 S. Dearborn St., Chicago 5, Ill.
 Hollymade Hardware & Mfg. Co., 4865 Exquisition Blvd., Los Angeles, Calif.
 Hopp Press Inc., 460 W. 34th St., New York, N. Y.
 Insulation Mfg. Co., 11 New York Ave., Brooklyn, N. Y.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Johnson Co., E. F., Waseca, Minn.
 Kurz-Kasch, Inc., 1415 S. Broadway, Dayton 1, Ohio
 Mayfair Molded Products Corp., 4440 N. Elston Ave., Chicago 30, Ill.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Midwest Molding & Mfg. Co., 319 N. Whipple St., Chicago 12, Ill.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Norton Labs., Inc., Lockport, N. Y.
 Owens-Illinois Glass Co., Toledo 1, Ohio
 Radiocrafters, 1156 Commonwealth Ave., Boston 34, Mass.
 Reiner Electronics Co., 152 W. 25th St., New York, N. Y.
 Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
 Richardson Co., The, Melrose Park, Ill.
 Rogan Bros., 2500 W. Irving Pk., Chicago 18, Ill.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Stokes Molded Products, Inc., Taylor St. at Webster, Trenton, N. J.
 Taylor Mfg. Co., 3056 W. Meinecke Ave., Milwaukee 10, Wisc.
 U. S. Instrument Corp., 409 Broad St., Summit, N. J.
 Waterbury Companies, Inc., Waterbury 90, Conn.
 Watertown Mfg. Co., The, Watertown, Conn.

KNOBS—Wooden

Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.

Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Syracuse Ornamental Co., Inc., 581 S. Clinton St., Syracuse, N. Y.

LACQUER

See Insulating Compounds

LAMINATIONS—Transformer

Allegheny Ludlum Steel Corp., Pittsburgh 22, Pa.
 Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
 Eastern Metals Industries, 250 W. 54th St., New York 19, N. Y.
 Eastern Specialty Co., Philadelphia 40, Pa.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
KOBZY TOOL CO., 1535 N. Dayton Ave., Chicago 22, Ill. SEE ADV. PG. 205.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Magnetic Metals Co., Hayes Ave. at 21st St., Camden, N. J.
 Magnetic Products Corp., The, Norwalk, Conn.
 Masonite Corp., 111 W. Washington St., Chicago 2, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Phila. 44, Pa.
PERMOFLUX CORP., 4900 W. Grand Ave., Chicago, Ill. SEE ADV. PG. 230.
 Spaulding Fibre Co., Inc., 310 Wheeler St., Tona-wanda, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33.
 Thomas & Skinner Steel Products Co., 1122 E. 23rd St., Indianapolis, Ind.
 Webster-Chicago Corp., 5622 Bloomingdale Ave., Chicago 39, Ill.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Phila. 31, Pa.

LANDING SYSTEMS—Microwave

FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

LEADS—Test

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 Booth Co., Arthur E., 307 E. 3rd St., Los Angeles, Calif.
BUD RADIO INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Douglas Radio Labs., 40 Wayland St., Boston 25, Mass.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Industrial Devices Inc., 22 State Rd., Edgewater, N. J.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.

Pacific Electricord Company, 9304 Santa Monica Blvd., Beverly Hills, Calif.
 Precision Apparatus Co., Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.
 Reiner Electronics Co., 152 W. 25th St., New York, N. Y.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.

LEATHERETTE

Auburn Mfg. Co., Middletown, Conn.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.

LENSES—Television Magnifying

Aim Industries, 41 Union Square, New York 3, N. Y.
 Atlas Sound Corp., 1443 39th St., Brooklyn 18, N. Y.
 Bache & Co., Semon, 636 Greenwich St., New York 14, N. Y.
 Bausch & Lomb Optical Co., 635 St. Paul St., Rochester 2, N. Y.
 Buhl Optical Co., 1009 Beech Ave., Pittsburgh 12, Pa.
 Celomat Corp., 521 W. 23rd St., New York, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 House of Television, 601 W. 26th St., New York, N. Y.
 Hunton Plastics Co., 178 S. Van Brunt St., Englewood, N. J.
 Inland Plastic of America, Inc., 20 W. 30th St., New York, N. Y.
 Polan Industries, 220 Eighth St., Huntington, W. Va.
 Precision Plastic Products Inc., 628-30 W. Lake St., Chicago 6, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Thall Engineering Co., 155 Chambers St., New York, N. Y.
TRANSVISION INC., 460 North Ave., New Rochelle, N. Y. SEE ADV. PG. 172.
 Urison Brothers, 2077 Coney Island Ave., Brooklyn 23, N. Y.
 Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Phila. 31, Pa.
 Zenith Optical Co., Div. of Polan Industries, Huntington 19, W. Va.

LENSES—Television Projection

Bache & Co., Semon, 636 Greenwich St., New York 14, N. Y.
 Bausch & Lomb Optical Co., 635 St., Paul St., Rochester 2, N. Y.
 Buhl Optical Co., 1009 Beech Ave., Pittsburgh 12, Pa.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Farrand Optical Co., Inc., Bronx Blvd. at 238th St., New York 66, N. Y.
 Kilburn Glass Co., Inc., J. R., 22 S. Worcester St., Chartley, Mass.
 Polan Industries, 220 Eighth St., Huntington, W. Va.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
SPELLMAN TELEVISION CO., INC., 2898 Jerome Ave., New York, N. Y. SEE ADV. PG. 58.
 Viewlex Inc., 35-01 Queens Blvd., Long Island City 1, N. Y.
 Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Phila. 34, Pa.
 Zenith Optical Co., Div. of Polan Industries, Huntington 19, W. Va.

LIE DETECTORS—Electronic

Associated Research, Inc., 3758 W. Belmont, Chicago 18, Ill.
 Inductograph Laboratory, Box 76, Brookfield, Conn.

LIGHTNING ARRESTORS

See Arrestors

LIGHTS—Dial and Panel

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 American Electronics Corp., 226 N. Fourth St., Columbus, Ohio
BUD RADIO, INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
 Cannon Electric Development Co., 3209 Humboldt St., Los Angeles 31, Calif.
DIAL LIGHT CO. OF AMERICA, INC., 900 Broadway, New York 3, N. Y. SEE ADV. PG. 220.
DRAKE MFG. CO., 1713 Hubbard St., Chicago 22, Ill. SEE ADV. PG. 58.
 Federal Screw Products Inc., 224 W. Huron St., Chicago 10, Ill.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Nela Park, Cleveland 12, Ohio. SEE ADV. PGS. 5-18.
 Hart Mfg. Co., 110 Bartholomew Ave., Hartford 1, Conn.
 Johnson Co., E. F., Waseca, Minn.
 Kirkland Co., H. R., The, 8 King St., Morristown, N. J.
 Littelfuse, Inc., 4757 Ravenswood Ave., Chicago 40, Ill.
 Marco Industries, 210 S. Clementine, Anaheim, Calif.
 Maritime Quality Hardware Co., Inc., Belfast, Me.
 Micarta Fabricators Inc., 5324 Ravenswood Ave., Chicago 40, Ill.
 National Union Radio Corp., 350 Scotland Rd., Orange, N. J.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Searle Aero Industries, Inc., Orange, Calif.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
TUNG-SOL LAMP WORKS, INC., 95 Eighth Ave., Newark 4, N. J. SEE ADV. PG. 75.
 Ucinite Co., The, Div. United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
 United Carr Fastener Corp., Cambridge 42, Mass.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

LIGHTS—Photoelectric Source

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
 Ess Instrument Co., 96 So. Washington Ave., Bergenfield, N. J.
 Fisher-Pierce Co., Inc., The, 70 Ceylon Street, Boston 21, Mass.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Lumenite Electric Co., 407 So. Dearborn St., Chicago, Ill.
 O'Connor & Co., John T., West Orange, N. J.
 Photoswitch, Inc., 77 Broadway, Cambridge 42, Mass.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Worner Electronic Devices, Rankin, Ill.

LIGHTS—Pilot

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 American Electronics Corp., 226 No. Fourth St., Columbus, Ohio
 Cannon Electric Development Co., 3209 Humboldt St., Los Angeles 31, Calif.
 D. & M. Mfg. Co., 2 Delford Ave., Bergenfield, N. J.
DIAL LIGHT CO. OF AMERICA, INC., 900 Broadway, New York 3, N. Y. SEE ADV. PG. 220.
DRAKE MFG. CO., 1713 Hubbard St., Chicago 22, Ill. SEE ADV. PG. 58.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Nela Park, Cleveland 12, Ohio. SEE ADV. PGS. 5-18.
 Hart Mfg. Co., 110 Bartholomew Ave., Hartford 1, Conn.
 Industrial Devices Inc., 22 State Rd., Edgewater, N. J.
 Johnson Co., E. F., Waseca, Minn.
 Kilburn Glass Co., Inc., J. R., 22 S. Worcester St., Chartley, Mass.
 Kirkland Co., H. R., The, 8 King St., Morristown, N. J.
 Kulka Electric Mfg. Co., Inc., 30 South St., Mt. Vernon, N. Y.
 Littelfuse Inc., 4757 Ravenswood Ave., Chicago 40, Ill.
 Lumenite Electric Co., 407 S. Dearborn St., Chicago, Ill.
 Marco Industries Co., 210 So. Clementine, Anaheim, Calif.
 Maritime Quality Hardware Co., Inc., Belfast, Me.
 Micarta Fabricators, Inc., 5324 Ravenswood Ave., Chicago 40, Ill.
 North American Electric Lamp Co., 1014 Tyler St., St. Louis 6, Mo.
 Premier Crystal Labs., Inc., 79-89 Seventh Ave., New York 11, N. Y.
SYLVANIA ELECTRIC PRODS., INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Ucinite Co., The, Div., United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
 United Carr Fastener Corp., Cambridge 42, Mass.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

LIGHTS—Signal

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Autocall Co., The, Shelby, Ohio
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Cannon Electric Development Co., 3209 Humboldt St., Los Angeles 31, Calif.
DIAL LIGHT CO. OF AMERICA, INC., 900 Broadway, New York 3, N. Y. SEE ADV. PG. 220.
DRAKE MFG. CO., 1713 Hubbard St., Chicago 22, Ill. SEE ADV. PG. 58.
 Ewart & Koch, 15 Brattle St., Cambridge 38, Mass.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Nela Park, Cleveland 12, Ohio. SEE ADV. PGS. 5-18.
 Johnson Co., E. F., Waseca, Minn.
 Kemlite Labs., 1819 W. Grand Ave., Chicago 22, Ill.
 Kilburn Glass Co., Inc., J. R., 22 S. Worcester St., Chartley, Mass.
 Kirkland Co., H. R., The, 8 King St., Morristown, N. J.
 Marco Industries Co., 210 So. Clementine, Anaheim, Calif.
 Maritime Quality Hardware Co., Inc., Belfast, Me.
 North American Lamp Co., 1014 Tyler St., St. Louis 6, Mo.

Searle Aero Industries, Inc., Orange, Calif.
 United Carr Fastener Corp., Cambridge 42, Mass.
 Western Union Telegraph Co., 60 Hudson St., New York 13, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

LIGHTS—Stroboscopic Source

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 Amglo Corp., 4234 Lincoln Ave., Chicago 18, Ill.
 Communication Measurements Lab., Inc., 120 Greenwich St., New York, N. Y.
 Edin Electronics Co., 207 Main St., Worcester, Mass.
 Electronic Enterprises Inc., 65 7th Ave., Newark 4, N. J.
 Electronic Products Co., 111 E. 3rd St., Mt. Vernon, N. Y.
GENERAL ELECTRIC CO., Nela Park, Cleveland 12, Ohio. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Kemlite Labs., 1819 W. Grand Ave., Chicago 22, Ill.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

LINKS—Antenna

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.

LITHIUM COMPOUNDS

See Metals

LOCATORS—Electronic Metal Locators & Detectors

Engineering Lab., Inc., 602 E. 4th St., Tulsa 3, Okla.
 Fisher Research Lab., 1961 University Ave., Palo Alto, Calif.
 Globe Phone Mfg. Co., 2 Linden St., Reading, Mass.
 Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.
 Radiation Counter Labs., Inc., 1844 W. 21st St., Chicago 8, Ill.
 Radio Frequency Labs., Inc., Boonton, N. J.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.

LOCATORS—Power Line Failure

Deutschmann Corp., Tobe, Norwood, Mass.
 Eltron Inc., 407 N. Jackson St., Jackson, Mich.
 Jarvis Electronics Corp., 6058 W. Fullerton Ave., Chicago 39, Ill.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Thermionic Engineering Corp., Pompton Plains, N. J.

LOCATORS—Radio Interference

Deutschmann Corp., Tobe, Norwood, Mass.
 Eltron, Inc., 407 N. Jackson St., Jackson, Mich.
 Ferris Instrument Co., 110 Cornelia St., Boonton, N. J.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.

LOCKS—Dial

BUD RADIO, INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.

LOCKS—Shaft

Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.

LORAN NAVIGATIONAL DEVICES

Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Harvey Radio Labs., Inc., 447 Concord Ave., Cambridge, Mass.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Radiomarine Corp. of America, 75 Varick St., New York 13, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Televiso Products Inc., 7466 W. Irving Park Rd., Chicago 34, Ill.

LOUDSPEAKER DRIVER UNITS

Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
 Audio Equipment Co., 80-20 405th Ave., Elmhurst, N. Y.
 Dilks Co., Seymour, Conn.
 Jensen Mfg. Co., 6601 S. Laramie Ave., Chicago 38, Ill.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio-Music Corp., Portchester, N. Y.
 Stephens Mfg. Corp., 8538 Warner Drive, Culver City, Calif.
 Stromberg-Carlson Co., Rochester, N. Y.
 University Loudspeakers Inc., 80 S. Kensico Ave., White Plains, N. Y.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

LOUDSPEAKERS

Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
 Atlas Sound Corp., 1443 39th St., Brooklyn 18, N. Y.
 Audio Equipment Co., 80-20 45th Ave., Elmhurst, N. Y.
 Best Mfg. Co., Inc., 1200 Grove St., Irvington 11, N. J.
 Brociner Electronics Laboratory, 1546 Second Ave., New York 28, N. Y.
 Carbonneau Industries, Inc., Grand Rapids, Mich.
CINAUDAGRAPH SPEAKERS, INC., Division of Aireon Mfg. Corp., 1401 Fairfax Trafficway, Kansas City, Kansas. SEE ADV. PG. 62.
 Cleveland Electronics, Inc., 6611 Euclid Ave., Cleveland, Ohio
 Commercial Radio Sound Corp., 575 Lexington Ave., New York 22, N. Y.
 Crescent Industries, Inc., 4140 Belmont Ave., Chicago 41, Ill.
 DX Radio Products Co. Inc., 12000 N. Claremont Ave., Chicago 22, Ill.

Delco Radio Div., General Motors Corp., Kokomo, Ind.
 Dilks Co., Seymour, Conn.
 Emerson Radio & Phonograph Corp., 111 8th Ave., New York, N. Y.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hallicrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
 Horton Machine Products Co., Horton & Rockaway Aves., Valley Stream, N. Y.
 Jensen Mfg. Co., 6601 S. Laramie Ave., Chicago 38, Ill.
 Lansing Sound Inc., James B., 4221 S. Lincoln Blvd., Venice, Calif.
 Magnavox Co., The, Components Div., Fort Wayne 4, Ind.
 McGrade Mfg. Co., Inc., E. W., 406 W. 34th St., Kansas City 2, Mo.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
 Murdock Mfg. Co., Wm. J., Chelsea, Mass.
 Oxford Radio Corp., 3911 S. Michigan Ave., Chicago 15, Ill.
 Perfection Electric Co., Chicago, Ill.
PERMOFLUX CORP., 4900 W. Grand Avenue, Chicago, Ill. SEE ADV. PG. 230.
 Quam Nichols Co., 526 E. 33rd Pl., Chicago 16, Ill.
 Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio-Music Corp., Port Chester, N. Y.
 Radio Speakers, Inc., 221 E. Cullerton St., Chicago, Ill.
 Rola Co., Inc., The, 2530 Superior Ave., Cleveland, Ohio
 Rowe Industries, 1702 Wayne St., Toledo 9, Ohio
 SOS Cinema Supply Corp., 602 W. 52 St., New York 19, N. Y.
 Stephens Mfg. Corp., 8538 Warner Drive, Culver City, Calif.
 Topping Mfg. Co., 3597 Mission St., San Francisco 10, Calif.
 University Loudspeakers, Inc., 80 S. Kensico Ave., White Plains, N. Y.
 Webster Electric Co., 1900 Clark St., Racine, Wis.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.
 Wilder Mfg. Corp., 3569 Fullerton Ave., Chicago 47, Ill.

LOUDSPEAKERS—Marine Speaker Systems

American Communications Corp., 306 Broadway, New York 7, N. Y.
 Atlas Sound Corp., 1443 39th St., Brooklyn 18, N. Y.
 Audio Equipment Co., 80-20 45th Ave., Elmhurst, N. Y.
CINAUDAGRAPH SPEAKERS, INC., Division of Aireon Mfg. Corp., 1401 Fairfax Trafficway, Kansas City, Kansas. SEE ADV. PG. 62.
 Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
 Oxford Radio Corp., 3911 S. Michigan Ave., Chicago 15, Ill.
 Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
 Remler Co. Ltd., 2101 Bryant St., San Francisco 10, Calif.
 Rosen Engineering Products, Inc., Raymond, 32nd & Walnut St., Phila. 4, Pa.
 Stephens Mfg. Corp., 8538 Warner Drive, Culver City, Calif.
 Taybern Equipment Co., 120 Greenwich St., New York 6, N. Y.
 University Loudspeakers, Inc., 80 S. Kensico Ave., White Plains, N. Y.
 Webster Electric Co., 1900 Clark St., Racine, Wis.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

LOUDSPEAKERS—Tweeters & Woofers

Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
 Atlas Sound Corp., 1443 39th St., Brooklyn 18, N. Y.
 Brociner Electronics Lab., 1546 Second Ave., New York 28, N. Y.
CINAUDAGRAPH SPEAKERS, INC., Division of Aireon Mfg. Corp., 1401 Fairfax Trafficway, Kansas City, Kansas. SEE ADV. PG. 62.
 Jensen Mfg. Co., 6601 S. Laramie Ave., Chicago 38, Ill.
 Klipsch & Associates, Hope, Arkansas
 Magnavox Co., The, Components Div., Ft. Wayne 4, Ind.
 Mellaphone Corp., Rochester 2, N. Y.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
PERMOFLUX CORP., 4900 W. Grand Avenue, Chicago, Ill. SEE ADV. PG. 230.
 Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Stephens Mfg. Corp., 8538 Warner Drive, Culver City, Calif.
 University Loudspeakers, Inc., 80 S. Kensico Ave., White Plains, N. Y.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Wilder Mfg. Corp., 3569 Fullerton St., Chicago 47, Ill.

LUBRICANT—Dry Film

Acheson Colloids Corp., Port Huron, Mich.
 Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.

LUGS AND TERMINALS

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Aircraft-Marine Products, Inc., 1523 N. Fourth St., Harrisburg, Pa.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
 Buchanan Electrical Products Corp., 1290 Central Ave., Hillside, N. J.
CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Dante Electric Mfg. Co., Bantam, Conn.
 Eby, Inc., Hugh H., 4700 Stenton Ave., Philadelphia 44, Pa.
ELECTRICAL INDUSTRIES, INC., 42 Summit Ave., Newark 4, N. J. SEE ADV. PG. 132.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 Fryling Mfg. Co., 639 W. 12th St., Erie, Pa.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
 Grammes & Sons, L. F., 389 Union St., Allentown 2, Pa.
 Greene Mfg. Corp., G. G., Warren, Pa.
 Gregory Mfg. Co., Inc., The, 67 Franklin St., New Haven 11, Conn.
 Ilco Copper & Tube Products Inc., Mariemont Ave., Mariemont-Cincinnati 27, Ohio
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Johnson Co., E. F., Waseca, Minn.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
 Koltan Electric Mfg. Co., 123 N. J. Railroad Ave., Newark 5, N. J.
 Kulka Electric Mfg. Co., Inc., 30 South St., Mt. Vernon, N. Y.

Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.

Morse Co., Frank W., 1300 Soldiers Field Rd., Boston 35, Mass.

O. Z. Electrical Mfg. Co., Inc., 262 Bond St., Brooklyn 2, N. Y.

PATTON-MacGUYER CO., 17 Virginia Ave., Providence 5, R. I. SEE ADV. PG. 184.

Penn-Union Electric Corp., 315 State Street, Erie, Pa.

Precision Metal Products Co., 342 Eastern Ave., Malden 48, Mass.

Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.

Sheffco Mfg. Co., 116 W. Ruby Ave., Pallsades Park, N. J.

Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich.

Smith, Inc., Herman H., 405-44th St., Brooklyn 20, N. Y.

States Co., 19 New Park Ave., Hartford 6, Conn.

STAYER CO., INC., 91 Pearl St., Brooklyn 1, N. Y. SEE ADV. PG. 188.

Stimpson Co., Inc., Edwin B., 74 Franklin Ave., Brooklyn 5, N. Y.

Stronghold Screw Products Inc., 216-222 West Hubbard St., Chicago 10, Ill.

Thomas & Betts Co. Inc., 36 Butler St., Elizabeth 1, N. J.

Thompson-Bremer & Co., 1640 W. Hubbard St., Chicago, Ill.

Trumbull Electric Mfg. Co., Plainville, Conn.

United Carr Fastener Corp., Cambridge 42, Mass.

Waterbury Companies, Inc., Waterbury 90, Conn.

West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.

Zierick Mfg. Corp., Beechwood & Rockdale Aves., New Rochelle, N. Y.

MACHINES—Blueprint

CONTINENTAL ELECTRIC CO., Geneva, Ill. SEE ADV. PG. 176.

Dietzgen Co., Eugene, 2425 Sheffield Ave., Chicago 14, Ill.

Paragon-Revolute Corp., 71 South Ave., Rochester 4, N. Y.

Pease Co., C. F., 2601 W. Irving Park Rd., Chicago, Ill.

Peck & Harvey, 5736-38 N. Western Ave., Chicago 45, Ill.

Post & Co., Frederick, Chicago, Ill.

MACHINES—Carbon Filling for Microphones

Tech Laboratories, Inc., Bergen & Edsall Blvds., Palisades Park, N. J.

MACHINES—Coil Winding

ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.

Associated Production Co., 2655 W. 19th St., Chicago 8, Ill.

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.

Boesch Mfg. Co., Danbury, Conn.

Callite Tungsten Corp., 540 39th St., Union City, N. J.

Connecticut Specialties Co., Box 501, Stamford, Conn.

EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.

Ideal Industries, Inc., Park & Borden Aves., Sycamore, Ill.

KAHLE ENGINEERING CO., 1307 7th St., North Bergen, N. J. SEE ADV. PG. 152.

Magnetic Products Corp., The, Norwalk, Conn.

MICO INSTRUMENT CO., 80 Trowbridge St., Cambridge 38, Mass. SEE ADV. PG. 170.

Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.

PAPER MACHINERY & RESEARCH, INC., 1014 Oak St., Roselle, N. J. SEE ADV. PG. 130.

Production Equipment Co., 37 W. Main St., Oyster Bay, New York

STEVENS MFG. CO., INC., GEO., 1850 W. Henderson St., Chicago, Ill. SEE ADV. PG. 232.

UNIVERSAL WINDING CO., 1655 Elmwood Ave., Cranston 3, R. I. SEE ADV. PG. 98.

Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.

MACHINES—Crystal Disc Lapping & Manufacturing

Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.

MACHINES—Crystal Manufacturing & Finishing

Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.

Distillation Products, Inc., Vacuum Equipment Div., 755 Ridge Rd. W., Rochester 13, N. Y.

MACHINES—Electric Soldering

Cole Radio Works, 86 Westville Ave., Caldwell, N. J.

Eastern Metals Industries, 250 W. 54th St., New York 19, N. Y.

EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.

ELECTRIC SOLDERING IRON CO., W. Elm St., Deep River, Conn. SEE ADV. PG. 30.

Ideal Industries, Inc., Park & Borden Aves., Sycamore, Ill.

Multi-Products Tool Co., 123 Sussex Ave., Newark 4, N. J.

PATTON-MacGUYER CO., 17 Virginia Ave., Providence 5, R. I. SEE ADV. PG. 184.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

Torit Mfg. Co., Walnut & Exchange Sts., St. Paul 2, Minn.

MACHINES—Electronic Balancing

Annis Co., R. B., 1101 N. Delaware St., Indianapolis, Ind.

BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.

Gisholt Machine Co., 1245 E. Washington Ave., Madison 3, Wis.

SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

MACHINES—Electronic Beverage Inspector

Airlectron, P. O. Box 151, Caldwell, N. J.

Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.

Ripley Co., Inc., P. O. Box 31, Middletown, Conn.

MACHINES—Electronic Computing

Alfax Paper & Engineering Co., 40 Riverside Ave., Brockton 27, E. B., Mass.

ARMA CORP., 254 36th St., Brooklyn 32, N. Y. SEE ADV. PG. 220.

Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.

Consolidated Engineering Corp., 620 N. Lake Ave., Pasadena 4, Calif.

Eckert-Mauchly Computer Corp., 3747 Ridge Ave., Philadelphia 32, Pa.

FORD INSTRUMENT CO., INC., 31-10 Thomson Ave., L. I. C., N. Y. SEE ADV. PG. 90.

Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.

Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.

Ripley Co., Inc., P. O. Box 31, Middletown, Conn.

Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.

Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.

MACHINES—Electronic Dictation

Gray Mfg. Co., 16 Arbor St., Hartford, Conn.

Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.

Patrick's Industries, 1507 W. Saratoga Ave., Ferndale 20, Mich.

MACHINES—Engraving and Profiling

Acme Electronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio

Auto Engraver Co., Inc., 1776 Broadway, New York, N. Y.

EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.

MICO INSTRUMENT CO., 86 Trowbridge St., Cambridge 38, Mass. SEE ADV. PG. 170.

Preis Engraving Machine Co., H., 649 Highway No. 29, Hillside, N. J.

MACHINES—Flexible Shaft Equipment

Dumore Co., The, 1225 14th St., Racine, Wis.

Elliot Mfg. Co., 218 Prospect Ave., Binghamton, N. Y.

Foredom Electric Co., 27 Park Place, New York 7, N. Y.

Haskins Co., R. G., 2651 W. Harrison St., Chicago 12, Ill.

Martindale Electric Co., Box 617, Edgewater Branch, Cleveland 7, Ohio

Stow Mfg. Co., 445 State St., Binghamton, N. Y.

Walker-Turner Co., Inc., 639 South Ave., Plainfield, N. J.

WHITE DENTAL MFG. CO., S. S., Industrial Div., 10 E. 40th St., New York, N. Y. SEE ADV. PG. 191.

MACHINES—Glass Blowing

EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.

HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.

KAHLE ENGINEERING CO., 1307 7th St., North Bergen, N. J. SEE ADV. PG. 152.

Litton Industries, San Carlos, Calif.

MACHINES—Glass Working

EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.

Elm Laboratories, 18 South Broadway, Dobbs Ferry, N. Y.

HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.

International Machine Works, 2027 46th St., North Bergen, N. J.

KAHLE ENGINEERING CO., 1307 7th St., North Bergen, N. J. SEE ADV. PG. 152.

Litton Industries, San Carlos, Calif.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

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RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

KAHLE ENGINEERING CO., 1307 7th St., North Bergen, N. J. SEE ADV. PG. 152.
 Markem Machine Co., Keene, N. H.
MICO INSTRUMENT CO., 80 Trowbridge St., Cambridge 38, Mass. SEE ADV. PG. 170.
 Noble & Westbrook Mfg. Co., 27 Westbrook St., E. Hartford 8, Conn.
 Numberall Stamp & Tool Co., Huguenot Park, Staten Island 12, N. Y.
 Preis Engraving Machine Co., H., 649 Highway No. 29, Hillside, N. J.

MACHINES—Photocopy

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 American Photocopy Equipment Co., 2849 N. Clark St., Chicago, Ill.
 Dietzgen Co., Eugene, 2425 Sheffield Ave., Chicago 14, Ill.
 General Photo Products Co., Inc., 15 Summit Ave., Chatham, N. J.
 Haloid Co., The, 6 Haloid St., Rochester, N. Y.
 Hunter Photo Copyist Co., 566 Spencer St., Syracuse, N. Y.
 Paragon-Revolute Corp., 71 South Ave., Rochester 4, N. Y.
 Peck & Harvey, 5736-38 N. Western Ave., Chicago 45, Ill.
 Peerless Photo Products, Shoreham, L. I., N. Y.

MACHINES—Record Manufacturing

Poinsettia Co., Inc., 95 Cedar Ave., Pitman, N. J.
 Stokes Machine Co., F. J., 5850 Tabor Rd., Olney P. O., Phila. 20, Pa.

MACHINES—Tube Manufacturing

BUCK ENGINEERING CO., INC., 37-41 Marcy St., Freehold, N. J. SEE ADV. PG. 224.
 Callite Tungsten Corp., 540 39th St., Union City, N. J.
 Distillation Products, Inc., Vacuum Equipment Div., 755 Ridge Rd., W., Rochester, N. Y.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
 Elm Laboratories, 18 South Broadway, Dobbs Ferry, N. Y.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 International Machine Works 2027 46th St., North Bergen, N. J.
KAHLE ENGINEERING CO., 1307 7th St., North Bergen, N. J. SEE ADV. PG. 152.
 Litton Industries, San Carlos, Calif.
 Marlboro Tool & Mfg. Co., Charles St. & New Brunswick Ave., Matawan, N. J.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

MACHINES—Vibration Fatigue Testing

All American Tool & Mfg. Co., 1014 W. Fullerton St., Chicago 14, Ill.
 Calidyne Co., The, 751 Main St., Winchester, Mass.
 L. A. B. Corp., 31 Union Pl., Summit, N. J.
MB MFG. CO., 10660 State St., New Haven 11, Conn. SEE ADV. PG. 221.
 Rollin Co., 2070 N. Fair Oaks Ave., Pasadena 3, Calif.
 Sheffield Corp., The, Dayton 1, Ohio
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

MACHINES—Whiteprint

Dietzgen Co., Eugene, 2425 Sheffield Ave., Chicago 14, Ill.
 Paragon-Revolute Corp., 71 South Ave., Rochester 4, N. Y.
 Pease Co., C. F., 2601 W. Irving Park Rd., Chicago, Ill.
 Peck & Harvey, 5736-38 N. Western Ave., Chicago 45, Ill.

MACHINES—Wire Drawing

EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
KAHLE ENGINEERING CO., 1307 7th St., North Bergen, N. J. SEE ADV. PG. 152.

MACHINES—Wire Stripping

Eraser Co., Inc., The, Industrial Products Div., 104 S. State St., Syracuse, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Ideal Industries, Inc., Park & Borden Avenues, Sycamore, Ill.
 Pyramid Products Co., 2224 S. State St., Chicago, Ill.

MAGNETIC ANALYSIS EQUIPMENT

Fisher Scientific Co., 717 Forbes St., Pittsburgh 19, Pa.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Magnetic Analysis Corp., 42-44 Twelfth St., Long Island City 1, N. Y.

MAGNETIZERS AND DEMAGNETIZERS

Annis Co., R. B., 1101 N. Delaware St., Indianapolis, Ind.
 DoAll Co., 254 N. Laurel Ave., Des Plaines, Ill.
 Grayhill, 1 N. Pulaski Rd., Chicago 24, Ill.
 Ideal Industries, Inc., Park & Borden Aves., Sycamore, Ill.
INDIANA STEEL PRODUCTS CO., 6 N. Michigan Ave., Chicago 2, Ill. SEE ADV. PG. 198.
 Luma Electric Equipment Co., P. O. Box 132, Toledo 1, Ohio
 Magnetic Analysis Corp., 42-44 12th St., L. I. City 1, N. Y.
 Magnetic Devices Corp., 232 Broad Ave., Palisades Park, N. J.
 Radio Frequency Labs., Boonton, N. J.
 Scintilla-Magneto Div., Bendix Aviation Corp., Sidney, N. Y.
 Smith Mfg. Co., Nathan R., 105 Pasadena Ave., So. Pasadena, Calif.
 Sperm Metal Specialties, 27 Columbia Place, Brooklyn 2, N. Y.

MAGNETOMETERS

Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Geophysical Instrument Co., 1820 N. Nash St., Arlington, Va.
 Titanium Alloy Mfg. Co., 111 Broadway, New York 6, N. Y.

MAGNETRON

See Tubes

MAGNETS—Electro

See Also Coils, Magnet

ALLIED CONTROL CO. INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.
 Bittermann Electric Co., Box 665, Canaan, Conn.
 Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Hercules Electric & Mfg. Co., Inc., 2500 Atlantic Ave., Brooklyn 7, N. Y.
 Houlihan Co., T. J., 2508-14 W. Lawrence Ave., Chicago 25, Ill.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
 Magnetic Devices Corp., 232 Broad Ave., Palisades Park, N. J.
 Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.
 Standard Electrical Products Co., Dayton 3, Ohio

Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.
 Zenith Electric Co., 152 W. Walton St., Chicago 10, Ill.

MAGNETS—Permanent

ARNOLD ENGINEERING CO., 147 E. Ontario St., Chicago, Ill. SEE ADV. PG. 140.
 Crowley & Co., Inc., Henry L., 1 Central Ave., W. Orange, N. J.
 Crucible Steel Co. of America, 405 Lexington Ave., New York 17, N. Y.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 General Magnetic Corp., 1001 Erwin Ave., Detroit 5, Mich.
INDIANA STEEL PRODUCTS CO., 6 N. Michigan Ave., Chicago 2, Ill. SEE ADV. PG. 198.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
MAGNETIC CORE CORP., 142-144 S. Highland Ave., Ossining, N. Y. SEE ADV. PG. 130.
 Magnetic Devices Corp., 232 Broad Ave., Palisades Park, N. J.
 Simmonds Saw & Steel Co., Lockport, N. Y.
 Taylor-Wharton Iron & Steel Co., Highbridge, N. J.
 Thomas & Skinner Steel Products Co., 1122 E. 23rd St., Indianapolis, Ind.

MARKERS, WIRE

See Code & Tab Markers

MEGAPHONES—Electronic

American Communications Corp., 306 Broadway, New York 7, N. Y.
 Audio Equipment Co., 80-20 45th Ave., Elmhurst, N. Y.
 Pioneer Electric & Research Corp., The, 7212 Circle Ave., Forest Park, Ill.
 Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
 Taybern Equipment Co., 120 Greenwich St., New York 6, N. Y.

MEGOHMMETERS

Associated Research Inc., 3758 W. Belmont, Chicago 18, Ill.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Biddle Co., James G., 1316 Arch St., Philadelphia 7, Pa.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Communication Measurements Lab., 120 Greenwich St., New York, N. Y.
 Delmhorst Instrument Co., 115 Cornelia St., Boonton, N. J.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 MacLeod & Hanopol, 10 Joiner St., Charlestown 29, Mass.
 Martindale Electric Co., Box 617, Edgewater Branch, Cleveland 7, Ohio
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
 Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.
 Precision Apparatus Co., Inc., 24-34 Horace Harding Blvd., Elmhurst, N. Y.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Stitche Co., Inc., Herman H., 27 Park Pl., New York 7, N. Y.
 Supreme, Inc., Greenwood, Miss.
 Weston Laboratories, Weston 93, Mass.
 Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

METAL PARTS—Bushings

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Amplex Div., Chrysler Corp., Detroit 31, Mich.
 Bound Brook Oil-Less Bearing Co., Bound Brook, N. J.
 Buchanan Electrical Products Corp., 1290 Central Ave., Hillside, N. J.
CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Corona Engineering Service, 94-52 Corona Ave., Elmhurst, N. Y.
 Eastern Specialty Co., Philadelphia 40, Pa.
 Gatti, Inc., Aurele M., 524 E. Washington St., Trenton, N. J.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Heli-Coil Corp., 47-23 35th St., Long Island City 1, N. Y.
 Instrument Parts Corp., P. O. 150, Ossining, N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 International Merit Products Corp., 254 W. 54th St., New York 19, N. Y.
 Johnson Co., E. F., Waseca, Minn.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Keystone Carbon Co., Inc., Saint Marys, Pa.
La Magna Mfg. Co., Inc., East Rutherford, N. J.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Phila. 44, Pa.
 Radiad Service, 720 W. Schubert Ave., Chicago 14, Ill.
 Rattan Mfg. Co., The, 10 Wall St., New Haven 7, Conn.
 Rostan Corp., 202 E. 44th St., New York 17, N. Y.
 St. Mary's Carbon Co., State Rd., St. Marys, Pa.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Stimpson Co., Inc., Edwin B., 74 Franklin Ave., Brooklyn 5, N. Y.
 Waterbury Companies, Inc., Waterbury 90, Conn.

METAL PARTS—Contacts

Baker & Co., Inc., 113 Astor St., Newark 5, N. J.
 Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
 Eby, Inc., Hugh H., 4700 Stenton Ave., Phila. 44, Pa.
 Electro-Connector Corp., 110 W. Oxford St., Phila. 22, Pa.
FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., North Chicago, Ill. SEE ADV. PG. 29.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
 Greene Mfg. Corp., G. G., Warren, Pa.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Johnson Co., E. F., Waseca, Minn.
 Keystone Carbon Co., Inc., Saint Marys, Pa.
 Milford Rivet & Machine Co., Milford, Conn.
 St. Mary's Carbon Co., State Rd., St. Marys, Pa.
 Stackpole Carbon Co., St. Marys, Pa.
STAYER CO., INC., 91 Pearl St., Brooklyn 1, N. Y. SEE ADV. PG. 188.
 Ucinite Co., The, Div., United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
 United Carr Fastener Corp., Cambridge 42, Mass.
 Volkert Metal Stampings Inc., John, 141 Spencer St., Brooklyn 5, N. Y.

METAL PARTS—Laminated

Amplex Div., Chrysler Corp., Detroit 31, Mich.
 Eby, Inc., Hugh H., 4700 Stenton Ave., Phila. 44, Pa.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.

HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Johnson Co., E. F., Waseca, Minn.
 Magnetic Metals Co., Hayes Ave. at 21st St., Camden, N. J.
MAKEPEACE CO., D. E., Attleboro, Mass. SEE ADV. PG. 84.

METAL PARTS—Lead

Alpha Metals Inc., 363 Hudson Ave., Brooklyn 1, N. Y.
 Baer Co., N. S., 9 Montgomery St., Hillside, N. J.
 Chicago Expansion Bolt Co., 1338 W. Concord Pl., Chicago 22, Ill.
 National Lead Co., 111 Broadway, New York 6, N. Y.
 Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Phila. 44, Pa.
STAYER CO., INC., 91 Pearl St., Brooklyn 1, N. Y. SEE ADV. PG. 188.

METAL PARTS—Powdered

Amplex Div., Chrysler Corp., Detroit 31, Mich.
ARNOLD ENGINEERING CO., 147 E. Ontario St., Chicago 11, Ill. SEE ADV. PG. 140.
 Bound Brook Oil-Less Bearing Co., Bound Brook, N. J.
 Callite Tungsten Corp., 540 39th St., Union City, N. J.
 Crowley & Co., Inc., Henry L., 1 Central Ave., West Orange, N. J.
FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., North Chicago, Ill. SEE ADV. PG. 29.
 Keystone Carbon Co., Inc., St. Marys, Pa.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis, Ind. SEE ADV. PGS. 71-74.
NATIONAL MOLDITE CO., Hillside 5, N. J. SEE ADV. PG. 146.
 St. Mary's Carbon Co., State Rd., St. Marys, Pa.
 Stackpole Carbon Co., St. Marys, Pa.
 U. S. Graphite Co., Div. of the Wickes Corp., 1621 Holland Ave., Saginaw, Mich.
 Waterbury Companies, Inc., Waterbury 90, Conn.

METAL PARTS—Screw Machine

Ace Mfg. Corp., 1255 E. Erie Ave., Philadelphia 24, Pa.
 Adel Precision Products Corp., 10777 Van Owen St., Burbank, Calif.
 Alden Products Co., 117 N. Main St., Brockton 64, Mass.
ALLMETAL SCREW PRODUCTS CO., INC., 33 Greene St., New York 13, N. Y. SEE ADV. PG. 32.
ART-LLOYD METAL PRODUCTS CORP., 2973 Cropsy Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.
ART WIRE & STAMPING CO., 227 High St., Newark 2, N. J. SEE ADV. PG. 232.
 Automatic Metal Products Co., 315 Berry St., Brooklyn 1, N. Y.
 Autoscrew Co., 216-222 W. 18th St., New York, N. Y.
 Buchmann Spark-Wheel Corp., 4-20 47th Ave., Long Island City 1, N. Y.
CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Corbin Screw Div., Amer. Hardware Corp., High Myrtle & Grove Sts., New Britain, Conn.
 Dual-Remote Control Co., Garden City, Mich.
 Eastern Specialty Co., Philadelphia 40, Pa.
 Eby, Inc., Hugh H., 4700 Stenton Ave., Philadelphia 44, Pa.
ENGINEERING CO., 27 Wright St., Newark, N. J. SEE ADV. PG. 228.
 Ericsson Screw Machine Products Co., 25 Lafayette St., Brooklyn 1, N. Y.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 Gatti, Inc., Aurele M., 524 E. Washington St., Trenton, N. J.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.

Instrument Development & Mfg. Corp. 3018 E. Foothill Blvd., Pasadena 8, Calif.
 Instrument Parts Corp., P. O. 150, Ossining, N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 International Merit Products Corp., 254 W. 54th St., New York 19, N. Y.
 Johnson Co., E. F., Waseca, Minn.
 Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
 Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Lamson & Sessions Co., 1971 W. 85th St., Cleveland, Ohio
 Lorai Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Magnetic Metal Products Corp., The, Norwalk, Conn.
 Milford Rivet & Machine Co., Milford, Conn.
 Milwaukee Stamping Co., 800 S. 72nd St., Milwaukee, Wis.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
 National Screw & Mfg. Co., Cleveland 4, Ohio
 Osgood Engineering Co., 110 Pleasant St., Malden, Mass.
 Phonograph Needle Mfg. Co., Inc., 42-46 Dudley St., Providence 5, R. I.
 Radiad Service, 720 W. Schubert Ave., Chicago 14, Ill.
 Reister Mfg. Co., Hagerstown, Md.
 Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
 Rostan Corp., 202 E. 44th St., New York 17, N. Y.
 St. Louis Screw & Bolt Co., 6900 Broadway, St. Louis 15, Mo.
 Searle Aero Industries, Inc., Orange, Calif.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Standard Pressed Steel Co., Jenkinstown, Pa.
 Stimpson Co., Inc., Edwin B., 74 Franklin Ave., Brooklyn 5, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Av., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Thomas Products, Inc., 9 Bentley St., Salem, Mass.
 Titan Metal Mfg. Co., Bellefonte, Pa.
 Tudor Products Co., 57 E. Alpine St., Newark 5, N. J.
 United Carr Fastener Corp., Cambridge 42, Mass.
 United Screw & Bolt Corp., 2513 W. Collerton St., Chicago, Ill.
 Vallorbs Jewel Co., Lancaster, Pa.
 Waltham Screw Co., 77 Rumford Ave., Waltham, Mass.
 Westfield Metal Products Co., Inc., Westfield, Mass.

METAL PARTS—Small Metal Stampings

Ace Manufacturing Corp., 1255 East Erie Ave., Philadelphia 24, Pa.
 Acklin Stamping Co., 1923 Nebraska Ave., Toledo 7, Ohio
 Adel Precision Products Corp., 10777 Van Owen St., Burbank, Calif.
 Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Air-King Products Co., Inc., 170 53rd St., Brooklyn, N. Y.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 American Brass Co., Waterbury 88, Conn.
 American Emblem Co., Inc., P. O. Box 116R, Utica, N. Y.
ART-LLOYD METAL PRODUCTS CORP., 2973 Cropsy Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.
ART WIRE & STAMPING CO., 227 High St., Newark 2, N. J. SEE ADV. PG. 232.
 Atlas Metal Stamping Co., Castor & Kensington Avenues, Philadelphia 24, Pa.
 Auburn Mfg. Co., Middletown, Conn.
 Baer Co., N. S., 9 Montgomery St., Hillside, N. J.
 Barnes-Gibson-Raymond Div. of Associated Spring Corp., 6400 Miller Ave., Detroit 11, Mich.

- Carby Mfg. Co., Inc., 62 Cottage Place, Waterbury 5, Conn.
- Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
- Chicago Expansion Bolt Co., 1338 W. Concord Pl., Chicago 22, Ill.
- CINCH MFG. CORP.**, 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
- Colgate Mfg. Corp., Lindenhurst, L. I., N. Y.
- Congress Tool & Die Div., Tann Corp., 3300 Denton Ave., Detroit 12, Mich.
- Craft Mfg. Co., 3949 W. Schubert St., Chicago, Ill.
- Crescent Industries, Inc., 4140 Belmont Ave., Chicago 41, Ill.
- Cuyahoga Spring Co., 10272 Berea Rd., Cleveland, Ohio
- Dahlstrom Metallic Door Co., Jamestown, N. Y.
- Dalmo Victor Co., San Carlos, Calif.
- Dual Remote Control Co., Garden City, Mich.
- Eastern Metals Industries, 250 W. 54th St., New York 19, N. Y.
- Eastern Specialty Co., Philadelphia 40, Pa.
- Eby, Inc., Hugh H., 4700 Stenton Ave., Philadelphia 44, Pa.
- Edin Electronics Co., 207 Main St., Worcester, Mass.
- Electronic Supply Co., 207 Main St., Worcester, Mass.
- ENGINEERING CO.**, 27 Wright St., Newark, N. J. SEE ADV. PG. 228.
- Federal Tool & Mfg. Co., 3600 Alabama Ave., St. Louis Park, Minneapolis 16, Minn.
- Felt Products Mfg. Co., 1504 N. Carroll Ave., Chicago 7, Ill.
- Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
- Fryling Mfg. Co., 639 W. 12th St., Erie, Pa.
- Gadgets Inc., 3629 N. Dixie Drive, Dayton 5, Ohio
- Garrett Co., Inc., George K., 1421 Chestnut St., Philadelphia 2, Pa.
- General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
- Goat Co., Inc., Fred, 314 Dean St., Brooklyn, N. Y.
- Grammes & Sons, L. F., 389 Union St., Allentown 2, Pa.
- Greene Mfg. Corp., G. G., Warren, Pa.
- Gregory Mfg. Co., Inc., The, 67 Franklin St., New Haven 11, Conn.
- HAYDU BROS.**, Plainfield, N. J. SEE ADV. PG. 209.
- Howard Mfg. Corp., 1401 S. Main St., Council Bluffs, Iowa
- Hubbard Spring Co., M. D., Central Ave., Pontiac, Mich.
- Hunter Pressed Steel Co., Lansdale, Pa.
- Instrument Development & Mfg. Corp., 3018 E. Foothill Blvd., Pasadena 8, Calif.
- INSTRUMENT SPECIALTIES CO., INC.**, 254 Bergen Blvd., Little Falls, N. J. SEE ADV. PG. 180.
- INSULINE CORP. OF AMERICA**, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
- International Instruments, Inc., 331 East St., New Haven 11, Conn.
- Johnson Co., E. F., Waseca, Minn.
- Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
- King Laboratories, Inc., 127 Solar St., Syracuse 4, N. Y.
- Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
- Kirk & Blum Mfg. Co., 2893 Spring Grove Ave., Cincinnati 25, Ohio
- Kling Metal Spinning Co., 174 Centre St., New York 13, N. Y.
- KOBZY TOOL CO.**, 1535 N. Dayton Ave., Chicago 22, Ill. SEE ADV. PG. 205.
- Kolton Electric Mfg. Co., 123 N. J. Railroad Ave., Newark 5, N. J.
- La Magna Mfg. Co., Inc., East Rutherford, N. J.
- Lansing Stamping Co., 1159 S. Pennsylvania Ave., Lansing, Mich.
- Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
- Lorentzen Inc., H. K., 391 W. Broadway, New York 12, N. Y.
- Magnetic Metals Co., Hayes Ave., at 21st St., Camden, N. J.
- Magnetic Products Corp., The, Norwalk, Conn.
- Maritime Quality Hardware Co., Inc., Belfast, Me.
- Market Forge Co., Everett 49, Mass.
- Measurement Engineering Ltd., Arnprior, Ont., Canada
- Miller Mfg. Co., M. A., 1169 E. 43rd St., Chicago 15, Ill.
- Milwaukee Stamping Co., 800 S. 72nd St., Milwaukee, Wisc.
- Minerallac Electric Co., 25 N. Peoria St., Chicago, Ill.
- Minute Man Products, Inc., 309 E. 22nd St., New York 10, N. Y.
- Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
- NATIONAL CO., INC.**, 61 Sherman St., Malden, Mass. SEE ADV. PGS. 105-108.
- OLYMPIC TOOL & MFG. CO., INC.**, 39 Chambers St., New York 7, N. Y. SEE ADV. PG. 174.
- PATTON-MACGUYER CO.**, 17 Virginia Ave., Providence 5, R. I. SEE ADV. PG. 184.
- Paul & Beekman Inc., 1801 Cortland St., Philadelphia 40, Pa.
- Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.
- Precision Fabricators Inc., Roosevelt Rd., Rochester, N. Y.
- Presto Electric Co., Inc., 4511 New York Ave., Union City, N. J.
- Quadrige Mfg. Co., 213 W. Grand Ave., Chicago 11, Ill.
- Radiad Service, 720 Schubert Ave., Chicago 14, Ill.
- Raymond Mfg. Co., Div. of Associated Spring Corp., 226 S. Center St., Corry, Pa.
- REEVES SOUNDRAFT CORP.**, 10 E. 52nd St., New York 22, N. Y. SEE ADV. PG. 199.
- Reister Mfg. Co., Hagerstown, Md.
- Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
- Revere Copper & Brass Inc., 230 Park Ave., New York 17, N. Y.
- Reynolds Metals Co., Technical Service Dept., 2500 S. Third St., Louisville 1, Ky.
- Robinson Aviation, Inc., Teterboro, N. J.
- Roston Corp., 202 E. 44th St., New York 17, N. Y.
- Searle Aero Industries, Inc., Orange, Calif.
- Sheffco Mfg. Co., 116 W. Ruby Ave., Palisades Park, N. J.
- Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
- Sperman Metal Specialties, 27 Columbia Place, Brooklyn 2, N. Y.
- Stamford Metal Specialty Co., Inc., 429 W. Broadway, New York 12, N. Y.
- STAVER CO., INC.**, 91 Pearl St., Brooklyn 1, N. Y. SEE ADV. PG. 188.
- Stimpson Co., Inc., Edwin, 74 Franklin Ave., Brooklyn 5, N. Y.
- Stronghold Screw Products, Inc., 216-222 W. Hubbard St., Chicago 10, Ill.
- SWITCHCRAFT, INC.**, 1328-30 N. Halstead St., Chicago 22, Ill. SEE ADV. PG. 231.
- SYLVANIA ELECTRIC PRODUCTS, INC.**, 500 5th Av., New York 18, N. Y. SEE ADV. PGS. 240-244.
- Thomas Products, Inc., 9 Bentley St., Salem, Mass.
- Tubing Seal-Cap Inc., 2810 E. 11th St., Los Angeles, Calif.
- Tudor Products Co., 57 E. Alpine St., Newark 5, N. J.
- Ucinite Co., The, Div. United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
- United Carr Fastener Corp., Cambridge 42, Mass.
- United Screw & Bolt Corp., 2513 W. Cullerton St., Chicago, Ill.
- Viewlex Inc., 35-01 Queens Blvd., Long Island City 1, N. Y.
- Volkert Metal Stampings Inc., John, 141 Spencer St., Brooklyn 5, N. Y.
- WALTER CO., S.**, 1400 Atlantic Ave., Brooklyn 16, N. Y. SEE ADV. PG. 173.
- Waterbury Companies, Inc., Waterbury 90, Conn.
- WEBSTER SPRING CORP.**, 97 S. 5th St., Brooklyn 11, N. Y. SEE ADV. PGS. 229, 233.
- WEISS, JERRY L.**, 21 Plandome Rd., Manhasset, L. I., N. Y. SEE ADV. PG. 218.
- Whitehead Stamping Co., 1691 W. Lafayette Blvd., Detroit 16, Mich.
- Wilson Co., The H. A., 105 Chestnut St., Newark 5, N. J.
- Wood Co., Inc., C. D., 70-17 83rd St., Glendale, L. I., N. Y.
- Worcester Pressed Aluminum Corp., 13-15 Hope Ave., Worcester 3, Mass.
- Worcester Pressed Steel Co., 100 Barber Ave., Worcester, Mass.
- Wrought Washer Mfg. Co., 2264 S. Bay St., Milwaukee 7, Wisc.
- Zierick Mfg. Corp., Beechwood & Rockdale Aves., New Rochelle, N. Y.

METAL PARTS—Trimings

- American Emblem Co., Inc., P. O. Box 116R, Utica, N. Y.
- Bailey Co., Inc., 21 Water St., Amesbury, Mass.
- Dahlstrom Metallic Door Co., Jamestown, N. Y.
- Eastern Metals Industries, 250 W. 54th St., New York 19, N. Y.
- Grammes & Sons, L. F., 389 Union St., Allentown 2, Pa.
- HAYDU BROS.**, Plainfield, N. J. SEE ADV. PG. 209.
- INSULINE CORP. OF AMERICA**, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
- Reynolds Metals Co., Technical Service Dept., 2500 S. Third St., Louisville 1, Ky.
- Thomas Products, Inc., 9 Bentley St., Salem, Mass.
- United Screw & Bolt Corp., 2513 W. Cullerton St., Chicago, Ill.
- Volkert Metal Stampings, Inc., John, 141 Spencer St., Brooklyn 5, N. Y.
- Waterbury Companies, Inc., Waterbury 90, Conn.

METALLIC PAINTS

See Paints

METALS**Aluminum**

- Aluminum Co. of America, Gulf Bldg., Pittsburgh, Pa.
- Federated Metals Div., American Smelting & Refining Co., 120 Broadway, New York 5, N. Y.
- Permanente Products Co., Inc., 1924 Broadway, Oakland 12, Calif.
- Revere Copper & Brass Inc., 230 Park Ave., New York 17, N. Y.
- Reynolds Metals Co., Technical Serv. Dept., 2500 So. Third St., Louisville 1, Ky.
- Uniform Tubes, Shurs Lane & Laruiston Sts., Roxborough, Phila., Pa.
- York Materials Co., Inc., P. O. Box 510, Jamaica, N. Y.

Alnico

- ARNOLD ENGINEERING CO.**, 147 E. Ontario St., Chicago, Ill. SEE ADV. PG. 140.
- GENERAL ELECTRIC CO.**, Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
- Stackpole Carbon Co., St. Marys, Pa.
- Thomas & Skinner Steel Products Co., 1122 E. 23rd St., Indianapolis, Ind.

Antimony

- Division Lead Co., 836 W. Kinzie St., Chicago 22, Ill.
- Federated Metals Div., American Smelting & Refining Co., 120 Broadway, New York 5, N. Y.
- National Lead Co., 111 Broadway, New York 6, N. Y.

Arsenic

- Division Lead Co., 836 W. Kinzie St., Chicago 22, Ill.
- Federated Metals Div., American Smelting & Refining Co., 120 Broadway, New York 5, N. Y.

Barium

- King Laboratories Inc., 127 Solar St., Syracuse 4, N. Y.

Beryllium and Beryllium Alloys

Beryllium Corp., The, Reading, Pa.
 Brush Beryllium Co., The, 4301 Perkins Ave.,
 Cleveland 3, Ohio
GENERAL PLATE DIV., Metals & Controls Corp.,
 Attleboro, Mass. SEE ADV. PG. 149.
 Little Falls Alloys, Inc., 189 Caldwell Ave.,
 Paterson 1, N. J.
 Wilson Co., H. A., The, 105 Chestnut St., New-
 ark 5, N. J.

Brass and Bronze

American Brass Co., Waterbury 88, Conn.
 Chase Brass & Copper Co., Inc., Waterbury 91,
 Conn.
 Federated Metals Div., American Smelting &
 Refining Co., 120 Broadway, New York 5,
 N. Y.
 Little Falls Alloys, Inc., 189 Caldwell Ave.,
 Paterson 1, N. J.
 Phosphor Bronze Corp., The, 2200 Washington
 Ave., Philadelphia 46, Pa.
 Revere Copper & Brass Inc., 230 Park Ave.,
 New York 17, N. Y.
 Riverside Metal Co., Riverside, N. J.
 Scovill Mfg. Co., Waterville Screw Prods. Div.,
 Waterbury, Conn.
 Titan Metal Mfg. Co., Bellefonte, Pa.
 Uniform Tubes, Shurs Lane & Laruiston Sts.,
 Roxborough, Phila., Pa.
 Western Brass Mills, Div. of Olin Industries,
 Inc., East Alton, Ill.
 York Materials Co., Inc., P. O. Box 510, Ja-
 maica, N. Y.

Cadmium

Division Lead Co., 836 W. Kinzie St., Chicago
 22, Ill.
 Merck & Co., Inc., Rahway, N. J.

Cesium Compounds

Footo Mineral Co., 10 E. Cheltenham Ave., Phila.
 44, Pa.

Chromium

Electro Metallurgical Division, Union Carbide
 and Carbon Corp., 30 E. 42nd St., New York
 17, N. Y.
 Keystone Carbon Co., Inc., Saint Marys, Pa.

Coefficient Metals

Carpenter Steel Co., The, 142 W. Bern St.,
 Reading, Pa.
 Magnetic Metals Co., Hayes Ave. at 21st St.,
 Camden, N. J.
 Wilson Co., H. A., The, 105 Chestnut St., New-
 ark 5, N. J.

Columbium

Electro Metallurgical Division, Union Carbide
 & Carbon Corp., 30 E. 42nd St., New York
 17, N. Y.
FANSTEEL METALLURGICAL CORP., 2200
 Sheridan Rd., North Chicago, Ill. SEE ADV.
 PG. 29.

Copper

Alpha Wire Corp., 50 Howard St., New York,
 N. Y.
 American Brass Co., Waterbury 88, Conn.
 Chase Brass & Copper Co., Inc., Waterbury 91,
 Conn.
 Federated Metals Div., American Smelting &
 Refining Co., 120 Broadway, New York 5,
 N. Y.
 Revere Copper & Brass Inc., 230 Park Ave.,
 New York 17, N. Y.
 Uniform Tubes, Shurs Lane & Laruiston Sts.,
 Roxborough, Phila., Pa.
 Western Brass Mills, Div. of Olin Industries,
 E. Alton, Ill.
 York Materials Co., Inc., P. O. Box 510, Ja-
 maica, N. Y.

Electric Sheets

Allegheny Ludlum Steel Corp., Pittsburgh 22,
 Pa.
 Follansbee Steel Co., Pittsburgh 30, Pa.

Foil-Aluminum, Tin & Lead

Aluminum Co. of America, Gulf Bldg., Pittsburgh,
 Pa.
 Baker Co., Inc., 113 Astor St., Newark 5, N. J.
 Federated Metals Div., American Smelting &
 Refining Co., 120 Broadway, New York 5,
 N. Y.
 Johnston Tin Foil & Metal Co., 6100 S. Broad-
 way, St. Louis 11, Mo.
 National Lead Co., 111 Broadway, New York
 6, N. Y.
 Permanent Products Co., Inc., 1924 Broadway,
 Oakland 12, Calif.
 Reynolds Metals Co., Technical Serv. Dept.,
 2500 So. Third St., Louisville 1, Ky.
 Uniform Tubes, Shurs Lane & Laruiston Sts.,
 Roxborough, Phila., Pa.

Gold and Gold Alloys

AMERICAN PLATINUM WORKS, N. J. R. R.
 Ave. at Oliver St., Newark 5, N. J. SEE ADV.
 PG. 192.
 Baker & Co., Inc., 113 Astor St., Newark 5,
 N. J.
BRAININ CO., C. S., 233 Spring St., New York
 13, N. Y. SEE ADV. PG. 188.
 Eastern Smelting & Refining Corp., 107-109 W.
 Brookline St., Boston 18, Mass.
GENERAL PLATE DIV., Metals & Controls
 Corp., Attleboro, Mass. SEE ADV. PG. 149.
 Goldsmith Bros. Smelting & Refining Co., 109
 N. Wabash Ave., Chicago, Ill.
HANDY & HARMAN, 82 Fulton St., New York
 7, N. Y. SEE ADV. PG. 204.
MAKEPEACE CO., D. E., Attleboro, Mass. SEE
 ADV. PG. 84.
NEY CO., J. M., 179 Elm St., Hartford, Conn.
 SEE ADV. PG. 56.
 Tricon Mfg. Co., 8318 S. Racine Ave., Chicago,
 Ill.
WHITE DENTAL MFG. CO., S. S., Industrial
 Div., 10 E. 40th St., New York, N. Y. SEE
 ADV. PG. 191.
 Wildberg Bros. Smelting & Refining Co., 742
 Market St., San Francisco 2, Calif.
 Wilson Co., H. A., The, 105 Chestnut St., New-
 ark 5, N. J.

High Permeability Alloys

Allegheny Ludlum Steel Corp., Pittsburgh 22,
 Pa.
 Amplex Div., Chrysler Corp., Detroit 31, Mich.
ARNOLD ENGINEERING CO., 147 E. Ontario
 St., Chicago 11, Ill. SEE ADV. PG. 140.
 Carpenter Steel Co., The, 142 W. Bern St.,
 Reading, Pa.
DRIVER-HARRIS CO., 201 Middlesex St., Harri-
 son, N. J. SEE ADV. PG. 43.
 Eastern Metals Industries, 250 W. 54th St.,
 New York 19, N. Y.
I-T-E CIRCUIT BREAKER CO., 19th & Hamil-
 ton Sts., Phila. 30, Pa. SEE ADV. PGS. 48, 49.
 Magnetic Metals Co., Hayes Ave. at 21st St.,
 Camden, N. J.
MAKEPEACE CO., D. E., Attleboro, Mass. SEE
 ADV. PG. 84.
 Simmonds Saw & Steel Co., Lockport, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box
 868, Pittsburgh 30, Pa. SEE ADV. PGS.
 66, 67.

Laminated Metal Products

ART-LOYD METAL PRODS. CORP., 29-73
 Cropsy Ave., Brooklyn, N. Y. SEE ADV. PG.
 174.
 Eastern Smelting & Refining Corp., 107-109 W.
 Brookline St., Boston 18, Mass.
GENERAL PLATE DIV., Metals & Controls Corp.,
 Attleboro, Mass. SEE ADV. PG. 149.
 Magnetic Metals Co., Hayes Ave. at 21st St.,
 Camden, N. J.
 Magnetic Products Corp., The, Norwalk, Conn.

MAKEPEACE CO., D. E., Attleboro, Mass. SEE
 ADV. PG. 84.
 Tricon Mfg. Co., 8318 S. Racine Ave., Chicago,
 Ill.
 Wilson Co., H. A., The, 105 Chestnut St., New-
 ark 5, N. J.

Lead

Alpha Metals, Inc., 363 Hudson Ave., Brooklyn
 1, N. Y.
 Division Lead Co., 836 W. Kinzie St., Chicago
 22, Ill.
 Federated Metals Div., American Smelting &
 Refining Co., 120 Broadway, New York 5,
 N. Y.
 Goldsmith Bros. Smelting & Refining Co., 109
 N. Wabash Ave., Chicago, Ill.
 National Lead Co., 111 Broadway, New York 6,
 N. Y.
 Uniform Tubes, Shurs Lane & Laruiston Sts.,
 Roxborough, Phila., Pa.

Lithium Compounds (for cathode tube screen settling)

Footo Mineral Co., 10 E. Cheltenham Ave., Phila.
 44, Pa.
 Merck & Co., Inc., Rahway, N. J.
SYLVANIA ELECTRIC PRODUCTS, INC., 500
 5th Ave., New York 18, N. Y. SEE ADV. PGS.
 240-244.

Magnesium

BURGESS BATTERY CO., Battery Div., Free-
 port, Ill. SEE ADV. PG. 88.
 Dow Chemical Co., Midland, Mich.
 Federated Metals Div., American Smelting &
 Refining Co., 120 Broadway, New York 5,
 N. Y.

Magnetic Iron Oxide (for cores)

Footo Mineral Co., 10 E. Cheltenham Ave., Phila.
 44, Pa.
 Plastic Metals Division, The National Radiator
 Co., 169 Bridge Street, Johnstown, Pa.
 Standard Telephones & Cables Ltd., Connaught
 House, Aldwych, London, W.C. 2, England
WILLIAMS & CO., C. K., 2001 Lynch Ave., East
 St. Louis, Ill. SEE ADV. PG. 32.

Manganese

Electro Metallurgical Division, Union Carbide
 and Carbon Corp., 30 E. 42nd St., New York
 17, N. Y.
 Plastic Metals Division, The National Radiator
 Co., 169 Bridge Street, Johnstown, Pa.

Mercury

Callite Tungsten Corp., 540 39th St., Union City,
 N. J.
 Division Lead Co., 836 W. Kinzie St., Chicago
 22, Ill.
 Eastern Smelting & Refining Corp., 107-109 W.
 Brookline St., Boston 18, Mass.
 Goldsmith Bros. Smelting & Refining Co., 109
 N. Wabash Ave., Chicago, Ill.
 Merck & Co., Inc., Rahway, N. J.
 North American Philips Co., 100 E. 42nd St.,
 New York 17, N. Y.

METALS, MAGNETOSTRICTION

See NICKELS and NICKEL ALLOYS

Molybdenum

Callite Tungsten Corp., 540 39th St., Union
 City, N. J.
 Cleveland Tungsten, Inc., 10200 Meech Ave.,
 Cleveland, Ohio
 Cross Co., H., 15 Beekman St., New York, N. Y.
EISLER ENGINEERING CO., INC., 740 S. 13th
 St., Newark 3, N. J. SEE ADV. PG. 128.
 Electro Metallurgical Division, Union Carbide &
 Carbon Corp., 30 E. 42nd St., New York 17,
 N. Y.

FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., North Chicago, Ill. SEE ADV. PG. 29.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Monel

Alloy Metal Wire Co., Prospect Pk. (Moore Sta.), Pa.
DRIVER-HARRIS CO., 201 Middlesex St., Harrison, N. J. SEE ADV. PG. 43.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
 International Nickel Co., Inc., The, 67 Wall St., New York 5, N. Y.
JELLIFF MFG. CORP., C. O., 200 Pequot Ave., Southport, Conn. SEE ADV. PG. 102.

Nickel and Nickel Alloys

Allegheny Ludlum Steel Corp., Pittsburgh 22, Pa.
 Alloy Metal Wire Co., Prospect Pk. (Moore Sta.), Pa.
ARNOLD ENGINEERING CO., 147 E. Ontario St., Chicago 11, Ill. SEE ADV. PG. 140.
 Carpenter Steel Co., The, 142 W. Bern St., Reading, Pa.
 Cohn Corp., Sigmund, 44 Gold St., New York, N. Y.
DRIVER-HARRIS CO., 201 Middlesex St., Harrison, N. J. SEE ADV. PG. 43.
 Federated Metals Div., American Smelting & Refining Co., 120 Broadway, New York 5, N. Y.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
 Haynes Stellite Co., Unit of Union Carbide and Carbon Corp., 30 E. 42nd St., New York 17, N. Y.
 Hoskins Mfg. Co., 4445 Lawton Ave., Detroit 8, Mich.
 International Nickel Co., Inc., 67 Wall St., New York 5, N. Y.
JELLIFF MFG. CORP., C. O., 200 Pequot Ave., Southport, Conn. SEE ADV. PG. 102.
 Magnetic Metals Co., Hayes Ave. at 21st St., Camden, N. J.
 Plastic Metals Division, The National Radiator Co., 169 Bridge Street, Johnstown, Pa.
 Revere Copper & Brass Inc., 230 Park Ave., New York 17, N. Y.
 Riverside Metal Co., Riverside, N. J.
 Simmonds Saw & Steel Co., Lockport, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave. SEE ADV. PGS. 240-244.
 Western Brass Mills, Div. of Olin Industries, East Alton, Ill.
 Wilson Co., H. A., The, 105 Chestnut St., Newark 5, N. J.

Nickel Ribbon

Alloy Metal Wire Co., Prospect Pk. (Moore Sta.), Pa.
 Cohn Corp., Sigmund, 44 Gold St., New York, N. Y.
 Driver Co., Wilbur B., 150 Riverside Ave., Newark, N. J.
DRIVER-HARRIS CO., 201 Middlesex St., Harrison, N. J. SEE ADV. PG. 43.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
 Hoskins Mfg. Co., 4445 Lawton Ave., Detroit 8, Mich.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

Palladium

AMERICAN PLATINUM WORKS, N. J. R. R. Ave. at Oliver St., Newark 5, N. J. SEE ADV. PG. 192.
 Baker & Co., Inc., 113 Astor St., Newark 5, N. J.
BRAININ CO., C. S., 233 Spring St., New York 13, N. Y. SEE ADV. PG. 188.
 Cohn Corp., Sigmund, 44 Gold St., New York, N. Y.
 Eastern Smelting & Refining Corp., 107-109 W. Brookline St., Boston 18, Mass.

GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
 Goldsmith Bros. Smelting & Refining Co., 109 N. Wabash Ave., Chicago, Ill.
MAKEPEACE CO., D. E., Attleboro, Mass. SEE ADV. PG. 84.
 Tricon Mfg. Co., 8318 S. Racine Ave., Chicago, Ill.
 Wilbur Bros. Smelting & Refining Co., 742 Market St., San Francisco 2, Calif.

Phosphor Bronze

American Brass Co., Waterbury 88, Conn.
 Amplex Div., Chrysler Corp., Detroit 3, Mich.
BRAININ CO., C. S., 233 Spring St., New York. SEE ADV. PG. 188.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
 Little Falls Alloys, Inc., 189 Caldwell Ave., Paterson 1, N. J.
 Phosphor Bronze Corp., The, 2200 Washington Ave., Philadelphia 46, Pa.
 Revere Copper & Brass Inc., 230 Park Ave., New York 17, N. Y.
 Riverside Metal Co., Riverside, N. J.
 Western Brass Mills, Div. of Olin Industries, East Alton, Ill.

Platinum

AMERICAN PLATINUM WORKS, N. J. R. R. Ave. at Oliver St., Newark 5, N. J. SEE ADV. PG. 192.
 Baker Co., Inc., 113 Astor St., Newark 5, N. J.
 Cohn Corp., Sigmund, 44 Gold St., New York, N. Y.
 Eastern Smelting & Refining Corp., 107-109 W. Brookline St., Boston 18, Mass.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
 Goldsmith Bros. Smelting & Refining Co., 109 N. Wabash Ave., Chicago, Ill.
 Tricon Mfg. Co., 8318 S. Racine Ave., Chicago, Ill.
 Wildberg Bros. Smelting & Refining Co., 742 Market St., San Francisco 2, Calif.

Powdered Metals

ARNOLD ENGINEERING CO., 147 E. Ontario St., Chicago 11, Ill. SEE ADV. PG. 140.
 Callite Tungsten Corp., 540 39th St., Union City, N. J.
 Cleveland Tungsten, Inc., 10200 Meech Ave., Cleveland, Ohio
 Division Lead Co., 836 W. Kinzie St., Chicago 22, Ill.
FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., North Chicago, Ill. SEE ADV. PG. 29.
GENERAL ANILINE & FILM CORP., Antara Prods., 444 Madison Ave., New York 17, N. Y. SEE ADV. PG. 185.
 National Lead Co., 111 Broadway, New York 6, N. Y.
 Plastic Metals Div., The National Radiator Co., 169 Bridge St., Johnstown, Pa.
 Powdered Metal Products Corp., Franklin Park, Ill.
 Reynolds Metals Co., Technical Serv. Dept., 2500 So. Third St., Louisville 1, Ky.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England.
WILLIAMS & CO., C. K., 2001 Lynch Ave., East St. Louis, Ill. SEE ADV. PG. 32.
 Wilson Co., H. A., The, 105 Chestnut St., Newark 5, N. J.

Silicon

Dow Corning Corp., Midland, Mich.
 Electro Metallurgical Division, Union Carbide and Carbon Corp., 30 E. 42nd St., New York 17, N. Y.
 Magnetic Metals Co., Hayes Ave. at 21st St., Camden, N. J.
 Plastic Metals Division, The National Radiator Co., 169 Bridge Street, Johnstown, Pa.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

Silver

AMERICAN PLATINUM WORKS, N. J. R. R. Ave. at Oliver St., Newark 5, N. J. SEE ADV. PG. 192.
 Baker & Co., Inc., 113 Astor St., Newark 5, N. J.
BRAININ CO., C. S., 233 Spring St., New York 13, N. Y. SEE ADV. PG. 188.
 Callite Tungsten Corp., 540 39th St., Union City, N. J.
 Eastern Smelting & Refining Corp., 107-109 Brookline St., Boston 18, Mass.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
 Goldsmith Bros. Smelting & Refining Co., 109 N. Wabash Ave., Chicago, Ill.
HANDY & HARMAN, 82 Fulton St., New York 7, N. Y. SEE ADV. PG. 204.
MAKEPEACE CO., D. E., Attleboro, Mass. SEE ADV. PG. 84.
 Merck & Co., Inc., Rahway, N. J.
NEY CO., J. M., 179 Elm St., Hartford, Conn. SEE ADV. PG. 56.
 North American Phillips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
 Wildberg Bros. Smelting & Refining Co., 742 Market St., San Francisco 2, Calif.
 Wilson Co., H. A., The, 105 Chestnut St., Newark 5, N. J.

Silver Alloys and Compounds

AMERICAN PLATINUM WORKS, N. J. R. R. Ave., at Oliver St., Newark 5, N. J. SEE ADV. PG. 192.
 Baker & Co., Inc., 113 Astor St., Newark 5, N. J.
BRAININ CO., C. S., 233 Spring St., New York 13, N. Y. SEE ADV. PG. 188.
 Callite Tungsten Corp., 540 39th St., Union City, N. J.
 Division Lead Co., 836 W. Kinzie St., Chicago 22, Ill.
 Eastern Smelting & Refining Corp., 107-109 W. Brookline St., Boston 18, Mass.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
 Goldsmith Bros. Smelting & Refining Co., 109 N. Wabash Ave., Chicago, Ill.
HANDY & HARMAN, 82 Fulton St., New York 7, N. Y. SEE ADV. PG. 204.
MAKEPEACE CO., D. E., Attleboro, Mass. SEE ADV. PG. 84.
NEY CO., J. M., 179 Elm St., Hartford, Conn. SEE ADV. PG. 56.
 Tricon Mfg. Co., 8318 S. Racine Ave., Chicago, Ill.
 Wildberg Bros. Smelting & Refining Co., 742 Market St., San Francisco 2, Calif.
 Wilson Co., H. A., The, 105 Chestnut St., Newark 5, N. J.

Steel

Allegheny Ludlum Steel Corp., Pittsburgh 22, Pa.
 American Rolling Co., 368 Curtis St., Middletown, Ohio
 American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio.
 Armco Steel Corp., 703 Curtis St., Middletown, Ohio
 Carnegie Illinois Steel Corp., U. S. Steel Sub., Carnegie Bldg., Pittsburgh, Pa.
 Carpenter Steel Co., The, 142 W. Bern St., Reading, Pa.
 Crucible Steel Co. of America, 405 Lexington Ave., New York 17, N. Y.
 Lukens Steel Co. and Divisions, By-Products Steel Co. & Lukenweld, 447 Lukens Bldg., Coatesville, Pa.
 Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio
 Revere Copper & Brass Inc., 230 Park Ave., New York 17, N. Y.
 Ryerson & Son, Inc., J. T., Box 8000-A, Chicago, Ill.
 Simmonds Saw & Steel Co., Lockport, N. Y.
 Summerill Tubing Co., Div., Columbia Steel & Shafting Co., P. O. Box 1557, Pittsburgh 30, Pa.

Wickwire Spencer Steel Div., The Colorado Fuel and Iron Corp., 500 Fifth Ave., New York 18, N. Y.
 York Materials Co., Inc., P. O. Box 510, Jamaica, N. Y.

Steel, Electrical

Allegheny Ludlum Steel Corp., Pittsburgh 22, Pa.
 American Rolling Co., 368 Curtis St., Middletown, Ohio
 American Steel & Wire Co., U. S. Steel Corp., Sub., Rockefeller Bldg., Cleveland 13, Ohio
 Armco Steel Corp., 703 Curtis St., Middletown, Ohio
 Carnegie-Illinois Steel Corp., U. S. Steel Sub., Carnegie Bldg., Pittsburgh, Pa.
 Carpenter Steel Co., The, 142 W. Bern St., Reading, Pa.
 Follansbee Steel Co., Pittsburgh 30, Pa.
 Magnetic Metals Co., Hayes Ave., at 21st St., Camden, N. J.
 Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio
 Ryerson & Son, Inc., J. T., Box 8000-A, Chicago, Ill.

Steel, Stainless

Allegheny Ludlum Steel Corp., Pittsburgh 22, Pa.
 Alloy Metal Wire Co., Prospect Pk. (Moore Sta.), Pa.
 American Rolling Co., 368 Curtis St., Middletown, Ohio
 American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio
 Armco Steel Corp., 703 Curtis St., Middletown, Ohio
 Carnegie Illinois Steel Corp., U. S. Steel Sub., Carnegie Building, Pittsburgh, Pa.
 Carpenter Steel Co., The, 142 W. Bern St., Reading, Pa.
 Crucible Steel Co. of America, 405 Lexington Ave., New York 17, N. Y.
DRIVER-HARRIS CO., 201 Middlesex St., Harrison, N. J. SEE ADV. PG. 43.
 Lukens Steel Co. & Divisions, By-Products Steel Co. & Lukenweld, 447 Lukens Bldg., Coatesville, Pa.
 Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio
 Ryerson & Son, Inc., J. T., Box 8000-A, Chicago, Ill.
 Simmonds Saw & Steel Co., Lockport, N. Y.
 Sumnerill Tubing Co., Div., Columbia Steel & Shafting Co., P. O. Box 1557, Pittsburgh 30, Pa.
 York Materials Co., Inc., P. O. Box 510, Jamaica, N. Y.

Strontium

King Laboratories Inc., 127 Solar St., Syracuse 4, N. Y.

Tantalum

FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., North Chicago, Ill. SEE ADV. PG. 29.

Thermostatic Bi-Metals

Baker & Co., Inc., 113 Astor St., Newark 5, N. J.
BRAININ CO., C. S., 233 Spring St., New York 13, N. Y. SEE ADV. PG. 188.
 Callite Tungsten Corp., 540 39th St., Union City, N. J.
 Chace Co., W. M., 1600 Beard Ave., Detroit, Mich.
 Eastern Smelting & Refining Corp., 107-109 W. Brookline St., Boston 18, Mass.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
 Wilson Co., H. A., The, 105 Chestnut St., Newark 5, N. J.

Tin

Alpha Metals, Inc., 363 Hudson Ave., Brooklyn 1, N. Y.
 Division Lead Co., 836 W. Kinzie St., Chicago 22, Ill.
 Federated Metals Div., American Smelting & Refining Co., 120 Broadway, New York 5, N. Y.
 Glaser Lead Co., Inc., 31 Wyckoff Ave., Brooklyn, N. Y.
 Merck & Co., Inc., Rahway, N. J.
 National Lead Co., 111 Broadway, New York 6, N. Y.
 Uniform Tubes, Shurs Lane & Laruiston St., Roxborough, Phila., Pa.

Tungsten

Callite Tungsten Corp., 540 39th St., Union City, N. J.
 Cleveland Tungsten, Inc., 10200 Meech Ave., Cleveland, Ohio
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
 Electro Metallurgical Division, Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y.
FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., North Chicago, Ill. SEE ADV. PG. 29.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 North American Phillips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wilson Co., H. A., The, 105 Chestnut St., Newark 5, N. J.

Tungsten Ribbon

Cleveland Tungsten, Inc., 10200 Meech Ave., Cleveland, Ohio
 Cohn Corp., Sigmund, 44 Gold St., New York, N. Y.
 Cross Co., H., 15 Beekman St., New York, N. Y.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., North Chicago, Ill. SEE ADV. PG. 29.
 North American Phillips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Zinc

Division Lead Co., 836 W. Kinzie St., Chicago 22, Ill.
 Federated Metals Div., American Smelting & Refining Co., 120 Broadway, New York 5, N. Y.
 Glaser Lead Co., Inc., 31 Wyckoff Ave., Brooklyn, N. Y.
 Merck & Co., Inc., Rahway, N. J.
 National Lead Co., 11 Broadway, New York 6, N. Y.

Zirconium

Electro Metallurgical Division, Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y.
 Foote Mineral Co., 10 E. Chelton Ave., Phila. 44, Pa.
 Titanium Alloy Mfg. Co., 111 Broadway, New York 6, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE PGS. 66, 67.

METEOROLOGICAL EQUIPMENT— Electronic

Air Associates, Inc., Teterboro, N. J.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Communication Measurements Lab. Inc., 120 Greenwich St., New York, N. Y.
 Hastings Instrument Co., Box 1275, Hampton, Va.
 Leupold & Stevens Instruments, 4445 N. E. Glisan St., Portland 13, Ore.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Serdex, Inc., 91 Cambridge St., Boston, Mass.
 Techno-Scientific Co., 901 Nepperhan Ave., Yonkers 3, N. Y.

METERS, Acceleration

See Accelerometers

METERS—Attenuation

Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Communication Equipment & Engrg. Co., 5646 W. Race St., Chicago 44, Ill.
 Daven Co., 191 Central Ave., Newark 4, N. J.
 Meters, Inc., 915 Westfield Blvd., Indianapolis 5, Ind.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Sierra Electronic Corp., Belmont & San Carlos, Calif.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

METERS—Cable Testing

Columbia Electric Mfg. Co., 4519 Hamilton Ave., N.E., Cleveland 14, Ohio
 Industrial Instruments Inc., 17 Pollack Ave., Jersey City 5, N. J.
 Jarvis Electronics Corp., 6058 W. Fullerton Ave., Chicago 39, Ill.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Radar Engineers, 110 University St., Seattle 1, Wash.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Thermionic Engineering Corp., Pompton Plains, N. J.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
 Willard Storage Battery Co., 246 E. 131st St., Cleveland 1, Ohio

METERS—Counting Rate

Airlectron, P. O. Box 151, Caldwell, N. J.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Anton Electronic Laboratories, Inc., 1226-1238 Flushing Ave., Brooklyn 6, N. Y.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Cyclotron Specialties Co., Moraga 8, Calif.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Geophysical Instrument Co., 1820 N. Nash St., Arlington, Va.
 Nuclear Instrument & Chemical Co., 223-233 W. Erie St., Chicago 10, Ill.
 Tracerlab Inc., 55 Oliver St., Boston 10, Mass.

METERS—d'Arsonval

See Also Galvanometers

Assembly Products, Inc., Chagrin Falls 6, Ohio
 Beede Electrical Instrument Co., Inc., Penacook, N. H.
 Burlington Instrument Co., Burlington, Iowa
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Electric Design & Mfg. Corp., Burlington, Iowa
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska
 Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Hickox Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 International Instruments, Inc., 331 East St., New Haven 11, Conn.
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
 Rawson Electrical Instrument Co., 110 Potter St., Cambridge 42, Mass.
 Reliance Electric Instrument Co., 3027 Van Buren St., Chicago 12, Ill.
 Sensitive Research Instrument Corp., 9 Elm Ave., Mt. Vernon, N. Y.
 Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
 Supreme, Inc., Greenwood, Miss.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
 Triplett Electrical Instrument Co., 286 Harmon Rd., Bluffton, Ohio
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

METERS—Decibel

Burlington Instrument Co., Burlington, Iowa
 Clough Brengle Co., 6014 N. Broadway, Chicago, Ill.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Daven Co., 191 Central Ave., Newark 4, N. J.
 Electric Design & Mfg. Corp., Burlington, Iowa
ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.
ELECTRONIC INSTRUMENT CO., INC., 276 Newport St., Brooklyn 12, N. Y. SEE ADV. PG. 233.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Hickox Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 International Instruments, Inc., 331 East St., New Haven 11, Conn.
 McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Roller-Smith, Bethlehem, Pa.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Triplett Electrical Instrument Co., 286 Harmon Rd., Bluffton, Ohio
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

METERS—Distortion and Noise

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Doolittle Radio, Inc., 7421 S. Loomis Bldg., Chicago 36, Ill.

Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
PICKERING AND CO., 309 Woods Ave., Ocean-side, L. I., N. Y. SEE ADV. PG. 130.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.

METERS—Elapsed Time

Aero Instrument Co., 2021 N. Lincoln St., Burbank, Calif.
 Berkeley Scientific Co., 6th & Nevin, Richmond, Calif.
 Bristol Co., The, Waterbury 91, Conn.
 Burlington Instrument Co., Burlington, Iowa
CRAMER CO., INC., R. W., Centerbrook, Conn. SEE ADV. PG. 99.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
HAYDON MFG. CO., INC., 584 E. Elm St., Torrington, Conn. SEE ADV. PGS. 68, 69.
 Industrial Timer Corp., 115 Edison Pl., Newark 5, N. J.
J B T INSTRUMENTS, INC., 441 Chapel St., New Haven 8, Conn. SEE ADV. PG. 229.
 Jarvis Electronics Corp., 6058 W. Fullerton Ave., Chicago 39, Ill.
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Rhodes, Inc., M. H., 30 Bartholomew Ave., Hartford, Conn.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 Sheffield Instrument Corp., 2021 N. Lincoln St., Burbank, Calif.
 Thermo Labs, Inc., 355 W. 26th St., New York 1, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
 Zernickow Co., O., 15 Park Row, New York 7, N. Y.

METERS—Electronic Capacitance

BROWNING LABS., INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
 Clippard Instrument Laboratory, Inc., 1125 Bank St., Cincinnati 14, Ohio
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Industrial Instruments Inc., 17 Pollack Ave., Jersey City 5, N. J.
 Kalbfell Labs, Inc., 1076 Morena Blvd., San Diego 10, Calif.
 MacLeod & Hanopol, 10 Joiner St., Charlestown 29, Mass.
 McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 Network Manufacturing Corp., Bayonne, N. J.
 Paterson Co., C. J., 3947 Broadway, Kansas City, Mo.
 Sprague Electric Co., North Adams, Mass.
 Weston Laboratories, Weston 93, Mass.
 Wheeler Labs., Inc., 259-09 Northern Blvd., Great Neck, N. Y.

METERS—Field Intensity

Clarke Instrument Corp., 910 King St., Silver Spring, Md.
 Deutschmann Corp., Tobe, Norwood, Mass.

FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front and Cooper Sts., Camden, N. J. SEE ADV. PGS. 179, Inside Back & Back Covers.
 Radio Transceiver Labs., 116-23 Jamaica Ave., Richmond Hill 18, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Stoddart Aircraft Radio Co., 6644 Santa Monica Blvd., Hollywood 38, Calif.
TRANSVISION INC., 460 North Ave., New Rochelle, N. Y. SEE ADV. PG. 172.

METERS—f-m Deviation

See Also Monitors

BROWNING LABORATORIES, INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
 Doolittle Radio, Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.
 Federal Telecommunication Labs., Inc., 500 Washington Ave., Nutley 10, N. J.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Monitor Products Co., 915 Fremont Ave., So. Pasadena, Calif.
 Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.

METERS—Flow

Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Commercial Research Labs. Inc., 20 Bartlett Ave., Detroit 3, Mich.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Electric Heat Control Co., The, 9123 Inman Ave., Cleveland 5, Ohio
 Fischer-Porter Co., Hatboro, Pa.
 Flowmeter Corp. of America, High Falls, N. Y.
 Foxboro Co., The, Foxboro, Mass.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
 Sherron Electronics Corp., 1201 Flushing Ave., Brooklyn 6, N. Y.
 U. S. Gauge Div., American Machine & Metals, Inc., Sellersville, Pa.

METERS—Footcandle

De Jur-Amsco Corp., Northern Blvd. at 45th St., L. I. City, N. Y.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.

Photovolt Corp., 95 Madison Ave., New York 16, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

METERS—Frequency

Aero Instrument Co., 2021 Lincoln St., Burbank, Calif.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Biddle Co., James G., 1316 Arch St., Philadelphia 7, Pa.
BROWNING LABORATORIES, INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
 Burnett Radio Lab., Wm. W. L., 4814 Idaho St., San Diego, Calif.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Daven Co., 191 Central Ave., Newark 4, N. J.
 Dine & Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
 Doolittle Radio, Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.
 Furst Electronics, 10A Jefferson St., Chicago 6, Ill.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 35, Mass. See ADV. PGS. 114, 115.
 Hastings Instrument Co., Box 1275, Hampton, Va.

Heath Co., Benton Harbor, Mich.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
J B T INSTRUMENTS, INC., 441 Chapel St., New Haven, Conn. SEE ADV. PG. 229.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
LAMPKIN LABORATORIES, INC., Bradenton, Fla. SEE ADV. PG. 233.
LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
MICO INSTRUMENT CO., 80 Trowbridge St., Cambridge 38, Mass. SEE ADV. PG. 170.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Monitor Products Co., 915 Fremont Ave., So. Pasadena, Calif.
 Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.

POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Premier Instrument Corp., 52 W. Houston St., New York 12, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
 Roller-Smith, Bethlehem, Pa.
 Sheffield Instrument Corp., 2021 N. Lincoln St., Burbank, Calif.
 Sierra Electronic Corp., Belmont & San Carlos, Calif.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

METERS—Hearing Aid

DeJur-Amsco Corp., Northern Blvd. at 45th St., L. I. City, N. Y.
 Electro-Mechanical Instrument Co., 812 Chestnut St., Perkasie, Pa.

International Instruments, Inc., 331 East St., New Haven 11, Conn.
J B T INSTRUMENTS, INC., 441 Chapel St., New Haven 8, Conn. SEE ADV. PG. 229.
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
SHURITE METERS, 61 Hamilton St., New Haven 8, Conn. SEE ADV. PG. 225.
STERLING MFG. CO., 9205 Detroit Ave., Cleveland 2, Ohio. SEE ADV. PG. 232.
TELEX, INC., Telex Park, Minneapolis 1, Minn. SEE ADV. PG. 170.

METERS—Impedance

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Federal Telecommunication Labs., Inc., 500 Washington Ave., Nutley 10, N. J.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 Rollin Co., 2070 N. Fair Oaks Ave., Pasadena 3, Calif.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Technology Instrument Corp., 1058 Main St., Waltham, Mass.

METERS—Impedance & Phase Angle Audio

Technology Instrument Corp., 1058 Main St., Waltham 54, Mass.

METERS—Impedance & Phase Angle r-f

Technology Instrument Corp., 1058 Main St., Waltham 54, Mass.

METERS—Light

DeJur-Amsco Corp., Northern Blvd. at 45th St., L. I. City 1, N. Y.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Photocon Research Products, 1062 N. Allen Ave., Pasadena 7, Calif.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

METERS—Medical

DeJur-Amsco Corp., Northern Blvd. at 45th St., Long Island City 1, N. Y.
 Electro-Physical Labs., Inc., 290-S Dyckman St., New York 34, N. Y.
 Electronic Supply Co., 207 Main St., Worcester, Mass.
 Photocon Research Products, 1062 N. Allen Ave., Pasadena 7, Calif.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.

METERS—Microwave

Decimeter, Inc., 1430 Market St., Denver 3, Colo.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 Microwave Equipment Co., North Caldwell, N. J.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Rice's Sons, Inc., Bernard, 325 Fifth Ave., New York 16, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Waveguide Mfg. & Equipment Co., Inc., 190-A Duane St., New York, N. Y.
 Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.

METERS—Modulation

See Also Monitors, Modulation
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Doolittle Radio, Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.
 Federal Telecommunication Labs., Inc., 500 Washington Ave., Nutley 10, N. J.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Monitor Products Co., 915 Fremont Ave., So. Pasadena, Calif.
 Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

METERS—Moisture

American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Berkeley Scientific Co., 6th & Nevin, Richmond, Calif.
 Communication Measurements Lab., Inc., 120 Greenwich St., New York, N. Y.
 Delmhorst Instrument Co., 115 Cornelia Street, Boonton, N. J.
 Fielden Electronics, Inc., 1171 New York Ave., Huntington Station, N. Y.
 Foxboro Co., The, Foxboro, Mass.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Illinois Testing Labs., Inc., 420 N. La Salle St., Chicago 10, Ill.
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 Moisture Register Co., P. O. Drawer No. 910, Alhambra, Calif.
 Network Manufacturing Corp., Bayonne, N. J.
 Paterson Co., C. J., 3947 Broadway, Kansas City, Mo.
 Serdex, Inc., 91 Cambridge St., Boston, Mass.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Tech Laboratories, Inc., Bergen & Edsall Blvd., Palisades Park, N. J.
 Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Phila. 44, Pa.

METERS—Output

BIRD ELECTRONIC CORP., 1800 E. 38th St., Cleveland 14, Ohio. SEE ADV. PG. 217.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Daven Co., 191 Central Ave., Newark 4, N. J.
 Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska
ELECTRONIC INSTRUMENT CO., INC., 276 Newport St., Brooklyn 12, N. Y. SEE ADV. PG. 233.
 Feiler Engrg. Co., 945 W. George St., Chicago 14, Ill.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 International Instruments, Inc., 331 East St., New Haven 11, Conn.
 McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
 Precision Apparatus Co., Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.

Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Triplett Electrical Instrument Co., 286 Harmon Rd., Bluffton, Ohio
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

METERS—Panel

ART-LLOYD METAL PRODUCTS CORP., 2973 Cropsy Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.
 Assembly Products, Inc., Chagrin Falls 6, Ohio
 Beede Electrical Instrument Co., Inc., Penacook, N. H.
 Burlington Instrument Co., Burlington, Iowa
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 DeJur-Anusco Corp., Northern Blvd. at 45th St., L. I. City 1, N. Y.
 Electric Design & Mfg. Corp., Burlington, Iowa
 Electric Heat Control Co., The, 9123 Inman Ave., Cleveland 5, Ohio
 Electro-Mechanical Instrument Co., 812 Chestnut St., Perkasie, Pa.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska
ELECTRONIC INSTRUMENT CO., INC., 276 Newport St., Brooklyn 12, N. Y. SEE ADV. PG. 233.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 International Instruments, Inc., 331 East St., New Haven 11, Conn.
J B T INSTRUMENTS, INC., 441 Chapel St., New Haven 8, Conn. SEE ADV. PG. 229.
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
 Roller-Smith, Bethlehem, Pa.
 Sensitive Research Instrument Corp., 9 Elm St., Mt. Vernon, N. Y.
SHURITE METERS, 61 Hamilton St., New Haven 8, Conn. SEE ADV. PG. 225.
 Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.
STERLING MFG. CO., 9205 Detroit Ave., Cleveland 2, Ohio. SEE ADV. PG. 232.
 Supreme Inc., Greenwood, Miss.
 Triplett Electrical Instrument Co., 286 Harmon Rd., Bluffton, Ohio
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

METERS—PH Meters, Recorders & Comparators

ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Robert Aves., Philadelphia 44, Pa.
 Central Scientific Co., 1700 Irving Park Rd., Chicago 13, Ill.
 Coleman Instruments, Inc., 318 Madison St., Maywood, Ill.
 Electronic Mechanical Products Co., 13-15-17 N. Virginia Ave., Atlantic City, N. J.
 Fisher Scientific Co., 717 Forbes St., Pittsburgh 19, Pa.
 Foxboro Co., The, Foxboro, Mass.
 LaMotte Chemical Products Co., Towson 4, Baltimore, Md.
 Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.

Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 National Technical Labs., 820 Mission St., South Pasadena, Calif.
 Photovolt Corp., 95 Madison Ave., New York 16, N. Y.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
 Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

METERS—Phase Angle

American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
 Clarke Instrument Corp., 910 King St., Silver Spring, Md.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Rollin Co., 2070 N. Fair Oaks Ave., Pasadena 3, Calif.
 Technology Instrument Corp., 1058 Main St., Waltham, Mass.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

METERS—Photoelectric Reflection

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 American Scientific Co., P. O. Box 1, Highbridge Station, New York 52, N. Y.
 Electronic Mechanical Products Co., 13-15-17 N. Virginia Ave., Atlantic City, N. J.
 Ess Instrument Co., 96 So. Washington Ave., Bergenfield, N. J.
 G-M Laboratories, Inc., 4313 N. Knox Ave., Chicago, Ill.
 Gardner Lab., Inc., Henry A., 4723 Elm St., Bethesda 14, Md.
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
 National Technical Lab., 820 Mission St., South Pasadena, Calif.
 Photovolt Corp., 95 Madison Ave., New York 16, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Rubicon Co., 3751 Ridge Ave., Phila., Pa.
 Thermo Labs, Inc., 355 W. 26th St., New York 1, N. Y.

METERS—Power Factor

BOONTON RADIO CORP., Boonton, N. J. SEE ADV. PG. 61.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Roller-Smith, Bethlehem, Pa.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

METERS—Q

American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
BOONTON RADIO CORP., Boonton, N. J. SEE ADV. PG. 61.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada

METERS—RF Power

BIRD ELECTRONIC CORP., 1800 E. 38th St., Cleveland 14, Ohio. SEE ADV. PG. 217.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Electric Design & Mfg. Corp., Burlington, Iowa
 Jones Electronics Co., M. C., 96 N. Main St., Bristol, Conn.
 Rollin Co., 2070 N. Fair Oak Ave., Pasadena 3, Calif.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

METERS—Shock

Schottland, Frederick D., 104-18 Metropolitan Ave., Forest Hills, N. Y.

METERS—Sound Level

Daven Co., 191 Central Ave., Newark 4, N. J.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 International Instruments, Inc., 331 East St., New Haven 11, Conn.
 Massa Laboratories, 3868 Carnegie St., Cleveland, Ohio
 Rek-O-Kut Co., Inc., 38-01 Queens Blvd., L. I. City, N. Y.
 Scott Inc., Herman Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
 Sound Apparatus Co., Stirling, N. J.
 Triplett Electrical Instrument Co., 286 Harmon Rd., Bluffton, Ohio
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Western Electro-Acoustic Labs., 621 S. Spring St., Los Angeles 14, Calif.

METERS—Standing Wave Ratio

Federal Telecommunication Labs., Inc., 500 Washington Ave., Nutley 10, N. J.
 Jones Electronics Co., M. C., 96 N. Main St., Bristol, Conn.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 Rollin Co., 2070 N. Fair Oaks Ave., Pasadena 3, Calif.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

METERS—Tension

Boulin Instrument Corp., 65 Madison Ave., New York 16, N. Y.
 Dillon & Co., W. C., 5410 W. Harrison St., Chicago 44, Ill.
 Sipp-Eastwood Corp., Keen & Summer Sts., Paterson, N. J.

METERS—Thermocouple

Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
 Assembly Products, Inc., Chagrin Falls 6, Ohio
 Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
BIRD ELECTRONIC CORP., 1800 E. 38th St., Cleveland 14, Ohio. SEE ADV. PG. 217.
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Burlington Instrument Co., Burlington, Iowa
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Electric Design & Mfg. Corp., Burlington, Iowa
 Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska
 Foxboro Co., The, Foxboro, Mass.
 Gordon Co., Claud S., 3000 S. Wallace St., Chicago 16, Ill.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Illinois Testing Labs., Inc., 420 N. LaSalle St., Chicago 10, Ill.
 International Instruments, Inc., 331 East St., New Haven 11, Conn.
J B T INSTRUMENTS, INC., 441 Chapel St., New Haven 8, Conn. SEE ADV. PG. 229.

Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.

MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.

Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.

Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.

Rawson Electrical Instrument Co., 110 Potter St., Cambridge 42, Mass.

Richards Co., Inc., Arklay S., 78 Winchester St., Newton Highlands 61, Mass.

Roller-Smith, Bethlehem, Pa.

Sensitive Research Instrument Corp., 9 Elm Ave., Mt. Vernon, N. Y.

Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.

Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.

Triplett Electrical Instrument Co., 286 Harmon Rd., Bluffton, Ohio

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

Wheelco Instruments Co., 847 W. Harrison St., Chicago 7, Ill.

METERS—Vibration

Calidyne Co., The, 751 Main St., Winchester, Mass.

Commercial Research Labs., Inc., 20 Bartlett Ave., Detroit 3, Mich.

Consolidated Engineering Corp., 620 N. Lake Ave., Pasadena 4, Calif.

Electro Products Labs., Inc., 549 W. Randolph St., Chicago 6, Ill.

GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.

Heiland Research Corp., 130 E. 5th Ave., Denver 9, Colo.

Massa Laboratories, 3868 Cornegie St., Cleveland, Ohio

Scott Inc., Herman Hosmer, 385 Putnam Ave., Cambridge 39, Mass.

Sound Apparatus Co., Stirling, N. J.

Television Products, Inc., 7466 West Irving Park Road, Chicago 34, Ill.

Vibroscope Co., 6 East 39th St., New York 16, N. Y.

Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

METERS—Viscosity

Fisher Scientific Co., 717 Forbes St., Pittsburgh 19, Pa.

Paterson Co., C. J., 3947 Broadway, Kansas City, Mo.

Tech Laboratories, Inc., Bergen & Edsall Blvds., Palisades Park, N. J.

Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.

METERS—Wave

American Electronenging Co., 2112 La Brea Ave., Los Angeles, Calif.

BUD RADIO INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.

Decimeter, Inc., 1430 Market St., Denver 2, Colo.

DeVine Laboratories, Madison, N. J.

GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.

HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.

KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.

LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.

Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.

POLARAD ELECTRONICS CO., 9 Ferry St., New York 7, N. Y. SEE ADV. PG. 228.

SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.

METERS—X-Ray Intensity

Anton Electronic Laboratories, Inc., 1226-1238 Flushing Ave., Brooklyn 6, N. Y.

ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.

Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.

Geophysical Instrument Co., Key Blvd. & Nash St., Arlington, Va.

National Technical Lab., 820 Mission St., S. Pasadena, Calif.

North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.

Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.

Omaha Scientific Supply Co., 3623 Lake St., Omaha 4, Nebraska

Picker X-Ray Corp., 300 Fourth Ave., New York 10, N. Y.

Radiation Counter Labs., Inc., 1844 W. 21st St., Chicago 8, Ill.

Sensitive Research Instrument Corp., 9 Elm St., Mt. Vernon, N. Y.

STERLING MFG. CO., 9205 Detroit Ave., Cleveland 2, Ohio. SEE ADV. 232.

VICTOREEN INSTRUMENT CO., 5806 Hough Ave., Cleveland 3, Ohio. SEE ADV. PG. 227.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

MICA

See Insulation Materials

MICROAMMETERS

Assembly Products, Inc., Chagrin Falls 6, Ohio

Beebe Electrical Instrument Co., Inc., Penacook, N. H.

BETA ELECTRONICS CO., 1762 3rd Ave., New York 29, N. Y. SEE ADV. PG. 126.

Burlington Instrument Co., Burlington, Iowa

Coastwise Electronics Corp., Inc., 130 N. Beaudry Ave., Los Angeles, Calif.

Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.

DeJur-Amsco Corp., Northern Blvd. at 45th St., L. I. City 1, N. Y.

Electric Design & Mfg. Corp., Burlington, Iowa

Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska

ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio

International Instruments, Inc., 331 East St., New Haven 11, Conn.

Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.

MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.

Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.

Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Rawson Electrical Instrument Co., 110 Potter St., Cambridge 42, Mass.

Roller-Smith, Bethlehem, Pa.

Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.

Sensitive Research Instrument Corp., 9 Elm Ave., Mt. Vernon, N. Y.

Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.

Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.

Supreme Inc., Greenwood, Miss.

Triplett Electrical Instrument Co., 286 Harmon Road, Bluffton, Ohio

Welch Scientific Co., W. M., 1515 Sedgwick St., Chicago 10, Ill.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

MICRO-MICROAMMETERS

BETA ELECTRONICS CO., 1762 3rd Ave., New York 29, N. Y. SEE ADV. PG. 126.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

National Technical Lab., 820 Mission Street, South Pasadena, Calif.

Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.

Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.

Rawson Electrical Instrument Co., 110 Potter St., Cambridge 42, Mass.

Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.

MICROFARADAMETERS

Clippard Instrument Laboratory, Inc., 1125 Bank St., Cincinnati 14, Ohio

Conant Labs., 6500 O St., Lincoln 5, Neb.

Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio

Measurement Engineering Ltd., Arnprior, Ontario, Can.

WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

MICROMETERS—Electronic

Carson Micrometer Corp., 2 E. Main St., Little Falls, N. J.

DeJur-Amsco Corp., Northern Blvd. at 45th St., Long Island City 1, N. Y.

Electro Products Labs., Inc., 549 W. Randolph St., Chicago 6, Ill.

La Rose & Associates, W. T., 646 Second Ave., Troy, N. Y.

Sherron Electronics Corp., 1201 Flushing Ave., Brooklyn 6, N. Y.

Standard Electronic Research Corp., 2 East End Ave., New York 21, N. Y.

Stevens-Arnold, Inc., 22 Elkins St., S. Boston, Mass.

Wilmotte Inc., Raymond M., 1469 Church St., N. W., Washington 5, D. C.

MICROPHONES—Aircraft Type

AVIOMETER, Div. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.

ELECTRO-VOICE, INC., Buchanan, Mich., SEE ADV. PG. 195.

Flight Research Engineering Corp., P. O. Box I-F, Richmond 1, Va.

Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.

PERMOFLUX CORP., 4900 W. Grand Ave., Chicago, Ill. SEE ADV. PG. 230.

Racon Electric Co., 52 E. 19th St., New York 3, N. Y.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.

St. Louis Microphone Co., 2726-28 Brentwood Blvd., St. Louis 17, Mo.

MICROPHONES—Carbon

Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.

AVIOMETER, Div. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.

ELECTRO-VOICE, INC., Buchanan, Mich. SEE ADV. PG. 195.

Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.

Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

SHURE BROTHERS, 225 W. Huron St. Chicago, Ill. SEE ADV. PG. 148.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

Stromberg-Carlson Co., Rochester, N. Y.

Telephonics Corp., 350 W. 31st St., New York, N. Y.

TURNER CO., The, 909 17th St., N. E., Cedar Rapids, Iowa. SEE ADV. PG. 96.

University Loudspeakers Inc., 80 S. Kensico Ave., White Plains, N. Y.
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

MICROPHONES—Condenser

Altec-Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
AVIOMETER, Div. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
Stephens Mfg. Corp., 8538 Warner Drive, Culver City, Calif.
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

MICROPHONES—Contact

American Microphone Co., 370 So. Fair-Oaks Ave., Pasadena 1, Calif.
AMPERITE CO., 561 Broadway, New York 12, N. Y. SEE ADV. PG. 90.
Astatic Corp., The, Conneaut, Ohio
BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
ELECTRO-VOICE, INC., Buchanan, Mich. SEE ADV. PG. 195.
Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
Rowe Industries, 1702 Wayne St., Toledo 9, Ohio
St. Louis Microphone Co., 2726-28 Brentwood Blvd., St. Louis 17, Mo.
Simpson Mfg. Co., Inc., Mark, 32-28 49th St., L. I. City 3, N. Y.
TURNER CO., THE, 909 17th St., N. E. Cedar Rapids, Iowa. SEE ADV. PG. 96.

MICROPHONES—Crystal

American Microphone Co., 370 So. Fair-Oaks Ave., Pasadena 1, Calif.
Astatic Corp., The, Conneaut, Ohio
BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
Du Mont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J.
ELECTRO-VOICE, INC., Buchanan, Mich. SEE ADV. PG. 195.
Globe Phone Mfg. Co., 2 Linden St., Reading, Mass.
Medical Electronics Co., P. O. Box 3541, Cleveland 18, Ohio
Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
SHURE BROTHERS, 225 W. Huron St., Chicago, Ill. SEE ADV. PG. 148.
Sonotone Corp., P. O. Box 200, Saw Mill River Rd., Elmsford, N. Y.
Stromberg-Carlson Co., Rochester, N. Y.
Tibbets Industries, Inc., Camden, Maine
TURNER CO., THE, 909 17th St., N. E., Cedar Rapids, Iowa. SEE ADV. PG. 96.

MICROPHONES—Dynamic

American Microphone Co., 370 So. Fair-Oaks Ave., Pasadena 1, Calif.
AMPERITE CO., 561 Broadway, New York 12, N. Y. SEE ADV. PG. 90.
Astatic Corp., The, Conneaut, Ohio
AVIOMETER, Div. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.
ELECTRO-VOICE, INC., Buchanan, Mich. SEE ADV. PG. 195.
Globe Phone Mfg. Co., 2 Linden St., Reading, Mass.
Lektra Labs., 30 E. 10th Street, New York, N. Y.
Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
PERMOFLUX CORP., 4900 W. Grand Ave., Chicago, Ill. SEE ADV. PG. 230.
Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Rauland-Borg Corp., 4245 N. Knox Ave., Chicago 41, Ill.
Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
St. Louis Microphone Co., 2726-28 Brentwood Blvd., St. Louis 17, Mo.
SHURE BROS., 225 W. Huron St., Chicago, Ill. SEE ADV. PG. 148.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
Telephonics Corp., 350 W. 31st St., New York, N. Y.
TURNER CO., THE, 909 17th St., N. E. Cedar Rapids, Iowa. SEE ADV. PG. 96.
University Loudspeakers, Inc., 80 S. Kensico Ave., White Plains, N. Y.
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

MICROPHONES—Velocity

AMPERITE CO., 561 Broadway, New York 12, N. Y. SEE ADV. PG. 90.
AVIOMETER, Div. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
ELECTRO-VOICE, INC., Buchanan, Mich. SEE ADV. PG. 195.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Rauland-Borg Corp., 4245 N. Knox Ave., Chicago 41, Ill.
TURNER CO., THE, 909 17th St., N. E. Cedar Rapids, Iowa. SEE ADV. PG. 96.
Webster Engineering Co., 105 Tenth St., N. E., Cedar Rapids, Iowa

MICROSCOPES—Electronic

Farrand Optical Co., Inc., Bronx Blvd. & 238th St., New York 66, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

MICROWAVE TRANSMISSION LINES & MICROWAVE ACCESSORIES

Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
Corning Glass Works, Corning, N. Y.
Crystal Research Labs., Inc., 29 Allyn St., Hartford, Conn.
Dalmo Victor Co., San Carlos, California
De Mornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Gorham Co., Bronze Div., Providence 7, R. I.
Hammarlund Mfg. Co., 460 W. 34th St., New York 1, N. Y.
Kent Co., F. C., 64-72 Howard St., Irvington, N. J.
Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
Microwave Equipment Co., North Caldwell, N. J.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
Premier Instrument Corp., 52 W. Houston St., New York 12, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Selector Industries, Inc., 401 E. 138th St., New York 54, N. Y.
Shutter, Carl W., Rockville Center, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
SYLVANIA ELECTRIC PRODS., INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
Technicraft Laboratories, Inc., Box 1908, Waterbury, Conn.
TITEFLEX, INC., 500 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 231.
Waveguide Mfg. & Equipment Co., Inc., 190-A Duane St., New York, N. Y.

Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.
Wheeler Labs., Inc., 259-09 Northern Blvd., Great Neck, N. Y.

MILLIAMMETERS

Assembly Products, Inc., Chagrin Falls 6, Ohio
BALLANTINE LABS., INC., Boonton, N. J. SEE ADV. PG. 134.
Beede Electrical Instrument Co., Inc., Penacook, N. H.
BETA ELECTRONICS CO., 1762 3rd Ave., New York 29, N. Y. SEE ADV. PG. 126.
Burlington Instrument Co., Burlington, Iowa
Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
DeJur-Amsco Corp., Northern Blvd. at 45th St., Long Island City 1, N. Y.
Development Engineering Co., Inc., The, 1818 Ashland St., Houston 8, Texas
Electric Design & Mfg. Corp., Burlington, Iowa
Electric Heat Control Co., The, 9123 Inman Ave., Cleveland 5, Ohio
Electro-Mechanical Instrument Co., 812 Chestnut St., Perkasie, Pa.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska.
ELECTRONIC INSTRUMENT CO., INC., 276 Newport St., Brooklyn 12, N. Y. SEE ADV. PG. 233.
Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
International Instruments Inc., 331 East St., New Haven 11, Conn.
J B T INSTRUMENTS, INC., 441 Chapel St., New Haven 8, Conn. SEE ADV. PG. 229.
Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Rawson Electrical Instrument Co., 110 Potter St., Cambridge 42, Mass.
Reliance Instrument Co., 3027 W. Van Buren St., Chicago 12, Ill.
Roller-Smith, Bethlehem, Pa.
Sensitive Research Instrument Corp., 9 Elm Ave., Mt. Vernon, N. Y.
SHURITE METERS, 61 Hamilton St., New Haven 8, SEE ADV. PG. 225.
Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.
STERLING MFG. CO., 9205 Detroit Ave., Cleveland 2, Ohio. SEE ADV. 232.
Sticht Co., Inc., Herman H., 27 Park Pl., New York 7, N. Y.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
Supreme, Inc., Greenwood, Miss.
Triplet Electrical Instrument Co., 286 Harmon Rd., Bluffton, Ohio
Welch Scientific Co., W. M., 1515 Sedgwick St., Chicago 10, Ill.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

MILLIVOLTMETERS

Assembly Products, Inc., Chagrin Falls 6, Ohio
BALLANTINE LABS., INC., Boonton, N. J. SEE ADV. PG. 134.
Beede Electrical Instrument Co., Inc., Penacook, N. H.
BETA ELECTRONICS CO., 1762 3rd Ave., New York 29, N. Y. SEE ADV. PG. 126.
Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
Burlington Instrument Co., Burlington, Iowa

Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Commercial Research Labs., Inc., 20 Bartlett Ave., Detroit 3, Mich.
 DeJur-Amsco Corp., Northern Blvd. at 45th St., L. I. City 1, N. Y.
 Development Engineering Co., Inc., The, 1818 Ashland St., Houston 8, Texas
 Electric Design & Mfg. Corp., Burlington, Iowa
 Electric Heat Control Co., The, 9123 Innan Ave., Cleveland 5, Ohio
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska
ELECTRONIC INSTRUMENT CO., INC., 276 Newport St., Brooklyn 12, N. Y. SEE ADV. PG. 233.
 Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Illinois Testing Labs., Inc., 420 N. LaSalle St., Chicago 10, Ill.
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Rawson Electrical Instruments Co., 110 Potter St., Cambridge 42, Mass.
 Reliance Instrument Co., 3027 W. Van Buren St., Chicago 12, Ill.
 Roller-Smith, Bethlehem, Pa.
 Sensitive Research Instrument Corp., 9 Elm St., Mt. Vernon, N. Y.
 Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.
 Sticht Co., Inc., Herman H., 27 Park Pl., New York 7, N. Y.
 Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
 Triplett Electrical Instrument Co., 286 Harmon Rd., Bluffton, Ohio
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
 Wheelco Instruments Co., 847 W. Harrison St., Chicago 7, Ill.

MIRRORS—Television

Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 Bache & Co., Semon, 636 Greenwich St., New York 14, N. Y.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Farrand Optical Co., Inc., Bronx Blvd. at 238th St., New York 66, N. Y.
 Fish-Schurmann Corp., 230 E. 45th St., New York 17, N. Y.
 Optical Film Engineering Co., 2125 Cherry St., Philadelphia 3, Pa.
 Pancro Mirrors Inc., 2958 Los Feliz Blvd., Los Angeles 26, Calif.
 Perkin-Elmer Corp., The, Glenbrook, Conn.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

MONITORS—Broadcast

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
 Doolittle Radio, Inc., 7421 South Loomis Blvd., Chicago 36, Ill.

FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
 Monitor Products Co., 815 Fremont Ave., So. Pasadena, Calif.
 Northeastern Engineering, Inc., Manchester, N. H.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Engineering Laboratories, Inc., 35-54 36th St., Long Island City, N. Y.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

MONITORS—Frequency

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
BROWNING LABS., INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
 Doolittle Radio, Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.
 Federal Telecommunication Labs., Inc., 500 Washington Ave., Nutley 10, N. J.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Gates Radio Co., Quincy, Ill.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
LAMPKIN LABORATORIES, INC., Bradenton, Fla. SEE ADV. PG. 233.
 Link Radio Corp., 125 W. 17th St., New York, N. Y.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Mobile Communications Co., 110 W. Ocean Blvd., Long Beach 2, Calif.
 Monitor Products Co., 815 Fremont Ave., So. Pasadena, Calif.
 Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 Northeastern Engineering, Inc., Manchester, N. H.
NORTHERN RADIO CO., INC., 143-145 W. 22nd St., New York 11, N. Y. SEE ADV. PGS. 153-155.
PANORAMIC RADIO PRODUCTS INC., 10 South Second Ave., Mt. Vernon, N. Y. SEE ADV. PG. 213.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

MONITORS—Modulation

Doolittle Radio, Inc., 7421 S. Loomis Bldg., Chicago 36, Ill.
 Du Mont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Gates Radio Co., Quincy, Ill.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
LAMDA ELECTRONICS CORP., 103-02 Northern Blvd., Corona, N. Y. SEE ADV. PG. 177.

Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Mobile Communications Co., 110 W. Ocean Blvd., Long Beach 2, Calif.
 Monitor Products Co., 815 Fremont Ave., So. Pasadena, Calif.
 Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 Northeastern Engineering, Inc., Manchester, N. H.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Triplett Electrical Instrument Co., 286 Harmon Rd., Bluffton, Ohio
 Waterproof Electric Co., 72 E. Verdugo Ave., Burbank, Calif.
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

MONITORS—Television Master

Du Mont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Industrial Television Inc., 359 Lexington, Clifton, N. J.
POLARAD ELECTRONICS CO., 9 Ferry St., New York 7, N. Y. SEE ADV. PG. 228.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Remington Rand, Inc., Systems Div., Vericon Dept., South Norwalk, Conn.
 Telequip Radio Co., 1901 S. Washtenaw, Chicago, Ill.
 Television Projects, Inc., 3660 Coral Way, Miami 35, Fla.

MONITORS—(FS) Transmitter

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Erco Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.
 Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 Northeastern Engineering, Inc., Manchester, N. H.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.

MOTORS—Fractional hp

Air Associates Inc., Teterboro, N. J.
 Alliance Mfg. Co., Lake Park Blvd., Alliance, Ohio
 American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 Baldor Electric Co., 4353 Duncan Ave., St. Louis, Mo.
 Barber Colman Co., Rockford, Ill.
 Bodine Electric Co., Ohio St. & Oakley Blvd., Chicago 12, Ill.
 Bogue Electric Mfg. Co., 52 Iowa Ave., Paterson, N. J.
 Burke Electric Co., 12th & Cranberry Sts., Erie, Pa.
 Century Electric Co., 1806 Pine St., St. Louis 3, Mo.
CONTINENTAL ELECTRIC CO., INC., 334 Ferry St., Newark 5, N. J. SEE ADV. PG. 224.
 Cyclohm Motor Corp., Racine, Wis.
 DeJur-Amsco Corp., Northern Blvd., at 45th St., Long Island City 1, N. Y.
 Delco Appliance Div., General Motors Corp., 391 Lyell Ave., Rochester, N. Y.
 Diehl Mfg. Co., 1129 Finderne Ave., Somerville, N. J.
 Eastern Air Devices, Inc., 585 Dean St., Brooklyn 17, N. Y.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Eicor, Inc., 1501 W. Congress St., Chicago 7, Ill.

ELECTRIC INDICATOR CO., 21 Parker Ave., Stamford, Conn. SEE ADV. PG. 132.
Electric Motor Corp., Racine, Wisc.
Electric Specialty Co., 211 South St., Stamford, Conn.
Fairchild Camera & Instrument Corp., 88-06 Van Wyck Blvd., Jamaica 1, N. Y.
Fasco Industries, Inc., Rochester 2, N. Y.
FORD INSTRUMENT CO., INC., 31-10 Thomson Ave., L. I. City, N. Y. SEE ADV. PG. 90.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
General Industries Co., Taylor & Olive Sts., Elyria, Ohio
Globe Industries, 125 Sunrise Place, Dayton, Ohio
Heinze Electric Co., 685 Lawrence St., Lowell, Mass.
Holtzer-Cabot, Inc., 125 Amory St., Boston 19, Mass.
L & R Mfg. Co., 577 Elm St., Arlington, N. J.
Lear, Inc., 110 Ionia Ave., N.W., Grand Rapids, 2, Mich.
Leland Electric Co., The, 1501 Webster St., Dayton 1, Ohio
Magnetic Products Corp., The, Norwalk, Conn.
Marathon Electric Mfg. Corp., Randolph & Cherry Sts., Wausau, Wisc.
Marco Industries, Inc., Depew, N. Y.
Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.
Oster Mfg. Co., John, Racine, Wisconsin
Piqua Machine & Mfg. Co., Young & College Sts., Piqua, Ohio
Redmond Co., Inc., Owosso, Mich.
Reynolds Electric Co., 2650 W. Congress St., Chicago 12, Ill.
Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
Robbins & Myers, Inc., 1345 Lagonda Ave., Springfield 99, Ohio
Russell Electric Co., 340 W. Huron St., Chicago 10, N. Y.
Scovill Mfg. Co., Waterville Screw Prods. Div., Waterbury, Conn.
Small Motors Inc., 2076 Elston Ave., Chicago 14, Ill.
Speedway Mfg. Co., 1834 S. 52nd Ave., Cicero 50, Ill.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
U. S. Electrical Motors, Inc., 200 E. Slauson Ave., Los Angeles 64, Calif.
Universal Electric Co., 300 E. Main St., Owosso, Mich.
Victor Electric Products, Inc., 2950 Robertson Ave., Cincinnati 9, Ohio
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis, Mo.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
Wincharger Corp., E. 7th & Division Sts., Sioux City, Iowa

MOTORS—Phonograph

Alliance Mfg. Co., Lake Park Blvd. Alliance, Ohio
Fairchild Camera & Instrument Corp., 88-06 Van Wyck Blvd., Jamaica 1, N. Y.
Garrard Sales Corp., 315 Broadway, New York 7, N. Y.
General Industries Co., Taylor & Olive Sts., Elyria, Ohio
Gleason-Avery Inc., Auburn, N. Y.
Magnetic Products Corp., The, Norwalk, Conn.
Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.
Redmond Co., Inc., Owosso, Mich.
Rek-O-Kut Co., Inc., 38-01 Queens Blvd., L. I. City, N. Y.
Robbins & Myers, Inc., 1345 Lagonda Ave., Springfield 99, Ohio
Webster-Chicago Corp., 5622 Bloomingdale Ave., Chicago 39, Ill.
Wincharger Corp., E. 7th & Division Sts., Sioux City, Iowa

MOTORS—Remote Control

Air Associates Inc., Teterboro, N. J.
ARMA CORP., 254 36th St., Brooklyn 32, N. Y. SEE ADV. PG. 220.
Barber Colman Co., Rockford, Ill.

Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wisc.
Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
Eicor, Inc., 1501 W. Congress St., Chicago 7, Ill.
ELECTRIC INDICATOR CO., 21 Parker Ave., Stamford, Conn. SEE ADV. PG. 132.
FORD INSTRUMENT CO., INC., 31-10 Thomson Ave., L. I. City, N. Y. SEE ADV. PG. 90.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
KOLLSMAN INSTRUMENT DIV. of Square D Co., 80-08 45th Ave., Elmhurst, N. Y. SEE ADV. PG. 36.
Magnetic Products Corp., The, Norwalk, Conn.
Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.
Oster Mfg. Co., John, Racine, Wisc.
ROBINETTE CO., W. C., 802 Fair Oaks Ave., South Pasadena, Calif. SEE ADV. PG. 204.
Techno-Scientific Co., 901 Nepperhan Ave., Yonkers 3, N. Y.
TRANSCOIL CORP., 114 Worth St., New York 13, N. Y. SEE ADV. PG. 222.

MOTORS—Servo

Air Associates Inc., Teterboro, N. J.
ARMA CORP., 254 36th St., Brooklyn 32, N. Y. SEE ADV. PG. 220.
Cyclohm Motor Corp., Racine, Wisc.
Diehl Manufacturing Co., 1129 Finnerne Ave., Somerville, N. J.
Eastern Air Devices Inc., 585 Dean St., Brooklyn 17, N. Y.
Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
ELECTRIC INDICATOR CO., 21 Parker Ave., Stamford, Conn. SEE ADV. PG. 90.
FORD INSTRUMENT CO., INC., 31-10 Thomson Ave., L. I. City, N. Y. SEE ADV. PG. 90.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
Globe Industries, 125 Sunrise Pl., Dayton, Ohio
Hansen Mfg. Co., Inc., Princeton 10, Indiana
Holtzer-Cabot, Inc., 125 Amory St., Boston 19, Mass.
KOLLSMAN INSTRUMENT DIV. of Square D Co., 80-08 45th Ave., Elmhurst, N. Y. SEE ADV. PG. 36.
Lear, Inc., 110 Ionia Ave., NW, Grand Rapids 2, Mich.
Magnetic Products Corp., The, Norwalk, Conn.
Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.
Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
TRANSCOIL CORP., 114 Worth St., New York 13, N. Y. SEE ADV. PG. 222.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

MOTORS—Synchronous

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
Anglo Corp., 4234 Lincoln Ave., Chicago 18, Ill.
Barber Colman Co., Rockford, Ill.
Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
Bodine Electric Co., Ohio St. & Oakley Blvd., Chicago 12, Ill.
Burke Electric Co., 12th & Cranberry Sts., Erie, Pa.
Century Electric Co., 1806 Pine St., St. Louis 3, Mo.
Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.
Columbia Electric Mfg. Co., 4519 Hamilton Ave., N.E., Cleveland 14, Ohio
CONTINENTAL ELECTRIC CO., INC., 334 Ferry St., Newark 5, N. J. SEE ADV. PG. 224.
CRAMER CO., INC., R. W., Centerbrook, Conn. SEE ADV. PG. 99.
Cyclohm Motor Corp., Racine, Wisc.
Eastern Air Devices Inc., 585 Dean St., Brooklyn 17, N. Y.

Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
Eicor, Inc., 1501 W. Congress St., Chicago 7, Ill.
ELECTRIC INDICATOR CO., 21 Parker Ave., Stamford, Conn. SEE ADV. PG. 136.
Electric Machinery Mfg. Co., 1331 NE Tyler St., Minneapolis 13, Minn.
Electric Products Co., 1725 Clarkstone Rd., Cleveland 12, Ohio
Electric Specialty Co., 211 South St., Stamford, Conn.
Electyome Motor Products Corp., 565 W. Washington Blvd., Chicago 6, Ill.
Fairchild Camera & Instrument Corp., 88-06 Van Wyck Blvd., Jamaica 1, N. Y.
FORD INSTRUMENT CO., INC., 31-10 Thomson Ave., L. I. City, N. Y. SEE ADV. PG. 90.
Garrard Sales Corp., 315 Broadway, New York 7, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
Gleason-Avery, Inc., Auburn, N. Y.
Hansen Mfg. Co., Inc., Princeton 10, Indiana
HAYDON MFG. CO., INC., 584 E. Elm St., Torrington, Conn. SEE ADV. PGS. 68, 69.
Holtzer-Cabot, Inc., 125 Amory St., Boston 19, Mass.
KOLLSMAN INSTRUMENT DIV. of Square D Co., 80-08 45th Ave., Elmhurst, N. Y. SEE ADV. PG. 36.
Magnetic Products Corp., The, Norwalk, Conn.
Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.
Reynolds Electric Co., 2650 W. Congress St., Chicago 12, Ill.
Robbins & Myers, Inc., 1345 Lagonda Ave., Springfield 99, Ohio
Small Motors, Inc., 2076 Elston Ave., Chicago 14, Ill.
Star Electric Motor Co., 200 Bloomfield Ave., Bloomfield, N. J.
TELECHRON INC., Homer Ave., Ashland, Mass. SEE ADV. PG. 85.
TRANSCOIL CORP., 114 Worth St., New York 13, N. Y. SEE ADV. PG. 222.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

MOTORS—Timing

Alliance Mfg. Co., Lake Park Blvd., Alliance, Ohio
Anglo Corp., 4234 Lincoln Ave., Chicago 18, Ill.
Bodine Electric Co., Ohio St. & Oakley Blvd., Chicago 12, Ill.
CRAMER CO., INC., R. W., Centerbrook, Conn. SEE ADV. PG. 99.
Electyome Motor Products Corp., 565 W. Washington Blvd., Chicago 6, Ill.
Gleason-Avery, Inc., Auburn, N. Y.
Globe Industries, 125 Sunrise Pl., Dayton, Ohio
Hansen Mfg. Co., Inc., Princeton 10, Ind.
Haydon Co., A. W., The, 111 W. Main St., Waterbury 32, Conn.
HAYDON MFG. CO., INC., 584 E. Elm St., Torrington, Conn. SEE ADV. PGS. 68, 69.
Magnetic Products Corp., The, Norwalk, Conn.
Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.

MOUNTINGS—Meter Back

Littelfuse, Inc., 4757 Ravenswood Ave., Chicago 40, Ill.

MOUNTINGS—Vibration and Shock

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
BARRY CORP., THE, 179 Sidney St., Cambridge, Mass. SEE ADV. PG. 47.
Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
General Tire & Rubber Co., Silentbloc Div., Wabash, Ind.
Hamilton Kent Mfg. Co., Kent, Ohio
Korfund Co., Inc., 4815 32nd Pl., L. I. City 1, N. Y.
LORD MFG. CO., 1635 W. 12th St., Erie, Pa. SEE ADV. PG. 103.
Mayfair Molded Products Corp., 4440 N. Elston Ave., Chicago 30, Ill.

MB MFG. CO., 1060 State St., New Haven 11, Conn. SEE ADV. PG. 221.
Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
Robinson Aviation, Inc., Teterboro, N. J.
Ucinite Co., The, Div., United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
United-Carr Fastener Corp., Cambridge 42, Mass.
U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.

MOUNTS—Antenna

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
Brach Mfg. Corp., L.S., 200 Central Ave., Newark, N. J.
Breeze Corpn., Inc., 41 S. Sixth St., Newark 7, N. J.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
Metalace Corp., 2101 Grand Concourse, Bronx, N. Y.
Oak Ridge Antennas Div. of Video Television, Inc., 239 E. 127th St., New York 35, N. Y.
PREMAG PRODUCTS DIV., Chisholm-Ryder Co., Inc., Niagara Falls 2, N. Y. SEE ADV. PG. 44.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
Rostan Corp., 202 E. 44th St., New York 17, N. Y.
Shur-Antenna-Mount, Inc., Sea Cliff, N. Y.
Wind Turbine Co., Tower & Antenna Div., E. Market St. & Penna. R. R., West Chester, Pa.

MOUNTS—Thermistor

Barber Colman Co., Rockford, Ill.
Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.

MULTIPLIERS—Meter

BALLANTINE LABS., INC., Boonton, N. J. SEE ADV. PG. 134.
Burlington Instrument Co., Burlington, Iowa
Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
Daven Co., 191 Central Ave., Newark 4, N. J.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
INSTRUMENT RESISTORS CO., 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
Measurement Engineering Ltd., Arnprior, Ontario, Can.
Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.
Radio City Products Co., Inc., 152 W. 25th St., New York 1, N. Y.
Reiner Electronics Co., 152 W. 25th St., New York, N. Y.
Sensitive Research Instrument Corp., 9 Elm St., Mt. Vernon, N. Y.
Shalleross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
Tech Laboratories, Inc., Bergen & Edsall Bldvs., Palisades Park, N. J.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 863, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Freyhuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

MULTITESTERS

Bradshaw Instruments Co., 348 Livingston St., Brooklyn 17, N. Y.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
ELECTRONIC INSTRUMENT CO., INC., 276 Newport St., Brooklyn 12, N. Y. SEE ADV. PG. 233.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
Heath Co., Benton Harbor, Mich.
Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
International Instruments, Inc., 331 East St., New Haven 11, Conn.
Measurement Engineering Ltd., Arnprior, Ontario, Can.
Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
Precision Apparatus Co., Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.
RMS Electronics, Inc., 622 E. 6th St., New York, N. Y.
Radio City Products Co., Inc., 152 W. 25th St., New York 1, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Radio Design Co., 1353 Sterling Pl., Brooklyn, N. Y.
Reiner Electronics Co., 152 W. 25th St., New York, N. Y.
Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.
Star Measurements Co., 442 East 166th St., New York 56, N. Y.
Supreme, Inc., Greenwood, Miss.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
Thermo Labs, Inc., 355 W. 26th St., New York 1, N. Y.
Triplett Electrical Instrument Co., 286 Harmon Rd., Bluffton, Ohio
WESTON ELECTRICAL INSTRUMENT CORP., 618 Freyhuysen Ave., Newark, N. J. SEE ADV. PG. 193.

MULTIVIBRATORS

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
Alden Products Co., 117 No. Main St., Brockton 64, Mass.
CLARK CRYSTAL CO., 2 Farm Rd., Marlboro, Mass. SEE ADV. PG. 175.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
Measurement Engineering Ltd., Arnprior, Ontario, Canada
Monitor Products Co., 815 Fremont Ave., So. Pasadena, Calif.
Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
Radar Engineers, 110 University St., Seattle 1, Wash.
Radex Corp., 2076 N. Elston Ave., Chicago 14, Ill.
Thermo Labs, Inc., 355 W. 26th St., New York 1, N. Y.

MUSIC SYSTEMS—Industrial and Commercial

Allied Radio Corp., 833 W. Jackson Blvd., Chicago 7, Ill.
Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
American Communications Corp., 306 Broadway, New York 7, N. Y.
Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
Bogen Co., David, 663 Broadway, New York 12, N. Y.
Cinema Engrg. Co., 1510 W. Verdugo Ave., Burbank, Calif.
Collins Audio Products Co., P. O. Box 368, Westfield, N. J.

Commercial Radio Sound Corp., 575 Lexington Ave., New York 22, N. Y.
Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
Communicating Systems Inc., 203 E. 18th St., New York 3, N. Y.
Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
Electronic Systems Co., 201 N. Wells St., Chicago 1, Ill.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
Executone, Inc., 415 Lexington Ave., New York 17, N. Y.
Hallicrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
M. P. Concert Installations, Fairfield 10, Conn.
Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
Newcomb Audio Products Co., 6824 Lexington Ave., Hollywood 38, Calif.
Radio-Music Corp., Port Chester, N. Y.
Rauland-Borg Corp., 4245 N. Knox Ave., Chicago 41, Ill.
Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
Riggs & Jeffreys, Inc., 140 Glenridge Ave., Montclair, N. J.
Rowe Industries, 1702 Wayne St., Toledo 9, Ohio
Schulmerich Electronics, Inc., Sellersville, Pa.
Scott Inc., Herman Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
Simpson Mfg. Co., Inc., Mark, 32-28 49th St., L. I. City 3, N. Y.
Stromberg-Carlson Co., Rochester, N. Y.
Webster Electric Co., 1900 Clark St., Racine, Wis.
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
Wurlitzer Co., Rudolph, The, N. Tonawanda, N. Y.

NAILS—Special

ALLMETAL SCREW PRODUCTS CO., INC., 33 Greene St., New York 13, N. Y. SEE ADV. PG. 32.
Aluminum Co. of America, Gulf Bldg., Pittsburgh, Pa.
American Steel & Wire Co., U. S. Steel Corp. Sub., Rockefeller Bldg., Cleveland 13, Ohio
Atlas Tack Corp., Pleasant St., Fairhaven, Mass.
Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
Greene Mfg. Corp., G. G., Warren, Pa.
Hassall, Inc., John, Clay & Oakland Sts., Brooklyn 22, N. Y.
Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.

NAME PLATES

See Plates, Name

NEEDLES—Cutting

Acton Co., Inc., H. W., 370 7th Ave., New York 1, N. Y.
Aim Industries, 41 Union Sq., New York 3, N. Y.
AUDIO DEVICES INC., 444 Madison Ave., New York 22, N. Y. SEE ADV. PG. 70.
Clarkstan Corp., 11927 W. Pico Blvd., Los Angeles 34, Calif.
Duotone Co., 799 Broadway, New York, N. Y.
Eldeen Co., The, 610-616 W. National Ave., Milwaukee 4, Wis.
Electrovox Co., Inc., 66 Franklin St., East Orange, N. J.
Fidelitone Corp., 1616 Devon Ave., Chicago 26, Ill.
General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
Gould Moody Co., 395 Broadway, New York, N. Y.

International Merit Products Corp., 254 W. 54th St., New York 19, N. Y.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Miller Mfg. Co., M. A., 1169 E. 43rd St., Chicago 15, Ill.
 Mirror Record Corp., 1133 Broadway, New York 10, N. Y.
 Permo, Inc., 6415 Ravenswood Ave., Chicago, Ill.
PRESTO RECORDING CORP., Paramus, N. J. SEE ADV. PGS. 40, 41.
 Recordisc Corp., 395 Broadway, New York, N. Y.
 Recotone Corp., 251 Fourth Ave., New York 10, N. Y.
REEVES SOUNDCRAFT CORP., 10 E. 52nd St., New York 22, N. Y. SEE ADV. PG. 199.
 Rek-O-Kut Co., Inc., 38-01 Queens Blvd., Long Island City, N. Y.
 Walco Sales Co., 60 Franklin St., East Orange, N. J.
 Wilcox-Gay Corp., Charlotte, Mich.
 Zephyr Products Co., 160 E. 116th St., New York 29, N. Y.

NEEDLES—Playback

Acton Co., Inc., H. W., 370 7th Ave., New York 1, N. Y.
 Aero Needle Co., 619 N. Michigan Ave., Chicago 11, Ill.
 Aim Industries, 41 Union Sq., New York 3, N. Y.
AUDIO DEVICES INC., 444 Madison Ave., New York 22, N. Y. SEE ADV. PG. 70.
 Clarkstan Corp., 11927 W. Pico Blvd., Los Angeles 34, Calif.
 Duotone Co., 799 Broadway, New York, N. Y.
 Eldeen Co., The, 610-616 W. National Ave., Milwaukee 4, Wis.
 Electrovox Co., Inc., 66 Franklin St., East Orange, N. J.
 Fidelitone Corp., 1616 Devon Ave., Chicago 26, Ill.
 Garrard Sales Corp., 315 Broadway, New York 7, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Gould Moody Co., 395 Broadway, New York, N. Y.
 International Merit Products Corp., 254 W. 54th St., New York 19, N. Y.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Jensen Industries Inc., 329 S. Wood St., Chicago, Ill.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Miller Mfg. Co., M. A., 1169 E. 43rd St., Chicago 15, Ill.
 Mirror Record Corp., 1133 Broadway, New York 10, N. Y.
 Monitor Products Co., 815 Fremont Ave., So. Pasadena, Calif.
 Permo, Inc., 6415 Ravenswood Ave., Chicago, Ill.
 Pfanstiehl Chemical Co., 104 Lake View Ave., Waukegan, Ill.
 Phonograph Needle Mfg. Co., Inc., 42 Dudley St., Providence 5, R. I.
PRESTO RECORDING CORP., Paramus, N. J. SEE ADV. PGS. 40, 41.
 Recordisc Corp., 395 Broadway, New York, N. Y.
 Recotone Corp., 251 Fourth Ave., New York 10, N. Y.
REEVES SOUNDCRAFT CORP., 10 E. 52nd St., New York 22, N. Y. SEE ADV. PG. 199.
 Rek-O-Kut Co., Inc., 38-01 Queens Blvd., Long Island City, N. Y.
ROYAL DIAMOND TOOL CO., 403 Statler Bldg., Boston 16, Mass. SEE ADV. PG. 144.
SHURE BROTHERS, 225 W. Huron St., Chicago, Ill. SEE ADV. PG. 148.
 Stark Sound Engineering Co., 2131 Fairfield, Fort Wayne 7, Ind.
 Tetrad Corp., 60 N. Broadway, Yonkers 2, N. Y.
 Tibbetts Industries, Inc., Camden, Me.
 Vallorbs Jewel Co., Lancaster, Pa.

Walco Sales Co., 60 Franklin St., East Orange, N. J.
 Webster-Chicago Corp., 5622 Bloomingdale Ave., Chicago 39, Ill.
 Wilcox-Gay Corp., Charlotte, Mich.
 Zephyr Products Co., 160 E. 116th St., New York 29, N. Y.

NETWORKS—Directional Antenna Phasing

American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Continental Electronics Mfg. Co., 1728 Wood St., Dallas 1, Tex.
 General Ceramics & Steatite Corp., Keasbey, N. J.
 Johnson Co., E. F., Waseca, Minn.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

NETWORKS—Matching

Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
BURNELL & CO., 45 Warburton Ave., Yonkers 2, N. Y. SEE ADV. PG. 45.
 Collins Radio Co., Cedar Rapids, Iowa
 Continental Electronics Mfg. Co., 1728 Wood St., Dallas 1, Tex.
 Daven Co., 191 Central Ave., Newark 4, N. J.
 House of Television, 601 W. 26th St., New York, N. Y.
 Lynch Co., F. W., 151 2nd St., San Francisco, Calif.
 Oak Ridge Antennas Div. of Video Television, Inc., 239 E. 127th St., New York 35, N. Y.
 Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Stephens Mfg. Corp., 8538 Warner Drive, Culver City, Calif.
 Tech Laboratories, Inc., Bergen & Edsall Bldvs., Palisades Park, N. J.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Wind Turbine Co., Tower & Antenna Div., E. Market St. & Penna. R. R., West Chester, Pa.

NETWORKS—Pulse Forming

CONDENSER PRODUCTS CO., 1375 N. Branch St., Chicago 22, Ill. SEE ADV. PG. 214.

NUTS

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
ALLMETAL SCREW PRODUCTS CO., INC., 33 Greene St., New York 13, N. Y. SEE ADV. PG. 32.
 Aluminum Co. of America, Gulf Bldg., Pittsburgh, Pa.
 American Screw Co., Providence, R. I.
 Automatic Metal Products Co., 315 Berry St., Brooklyn 1, N. Y.
 Autoscrew Co., 216-222 W. 18th St., New York, N. Y.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Boots Aircraft Nut Corp., 50 John St., Stamford, Conn.
 Central Screw Co., 3501 Shields Ave., Chicago 9, Ill.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Continental Screw Co., New Bedford, Mass.
 Corbin Screw Div., American Hardware Corp., High, Myrtle & Grove Sts., New Britain, Conn.

Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 Garrett Co., Inc., George K, 1421 Chestnut St., Philadelphia 2, Pa.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 International Merit Products Corp., 254 W. 54th St., New York 19, N. Y.
 Lamson & Sessions Co., 1971 W. 85th St., Cleveland, Ohio
 Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
 National Screw & Mfg. Co., The, Cleveland 4, Ohio
 New England Screw Co., Keene, N. H.
PALNUT CO., INC., 77 Cordier St., Irvington 11, N. J. SEE ADV. PG. 126.
 Parker-Kalon Corp., 200 Varick St., New York 14, N. Y.
 Pawtucket Mfg. Co., 327 Pine St., Pawtucket, R. I.
 Pheoll Mfg. Co., 5700 Roosevelt Rd., Chicago 50, Ill.
 Progressive Mfg. Co., 52 Norwood St., Torrington, Conn.
 Rattan Mfg. Co., The, 10 Wall St., New Haven 7, Conn.
 Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio
 Russell, Burdsall & Ward Bolt and Nut Co., Midland Ave., Port Chester, N. Y.
 St. Louis Screw & Bolt Co., 6900 Broadway, St. Louis 15, Mo.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Standard Locknut & Lockwasher Inc., 118 W. St. Clair St., Indianapolis 4, Ind.
 Sterling Bolt Co., 209 W. Jackson Blvd., Chicago 6, Ill.
 Stokes Molded Products, Inc., Taylor St., at Webster, Trenton, N. J.
 Stronghold Screw Products, Inc., 216-222 West Hubbard St., Chicago 10, Ill.
 United Screw & Bolt Corp., 2513 W. Cullerton St., Chicago, Ill.
 Westfield Metal Products Co., Inc., Westfield, Mass.

NUTS—Self-Locking

Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Boots Aircraft Nut Corp., New Canaan, Conn.
CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
 Columbia Nut & Bolt Co., 945 Main St., Bridgeport 3, Conn.
 Elastic Stop Nut Corp., 2330 Vauxhall Road, Union, N. J.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 Garrett Co., Inc., George K., 1421 Chestnut St., Phila. 2, Pa.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Laminated Shim Co., Inc., 56 Union St., Glenbrook, Conn.
 Lamson & Sessions Co., 1971 W. 85th St., Cleveland, Ohio
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 National Screw & Mfg. Co., The, Cleveland 4, Ohio
 New England Screw Co., Keene, N. H.
PALNUT CO., INC., 77 Cordier St., Irvington 11, N. J. SEE ADV. PG. 126.
 Penn Engineering & Mfg. Corp., Box 311, Doylestown, Pa.
PRODUCTION ENGINEERING CO., 173 Sargeant Ave., Clifton, N. J. SEE ADV. PG. 212.
 Russell, Burdsall & Ward Bolt and Nut Co., Midland Ave., Port Chester, N. Y.
 Standard Pressed Steel Co., Jenkintown, Pa.
 Sterling Bolt Co., 209 W. Jackson Blvd., Chicago 6, Ill.
 Stronghold Screw Products, Inc., 216-222 West Hubbard St., Chicago 10, Ill.
 Thompson-Bremer & Co., 1640 W. Hubbard St., Chicago, Ill.
 Tinnerman Products Inc., 2038 Fulton Rd., Cleveland 13, Ohio
 United Carr Fastener Corp., Cambridge 42, Mass.

NUTS—Self-Sealing

Elastic Stop Nut Corp., 2330 Vauxhall Rd., Union, N. J.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Laminated Shim Co., Inc., 56 Union St., Glenbrook, Conn.
 National Screw & Mfg. Co., Cleveland 4, Ohio
 Radio Frequency Labs, Inc., Boonton, N. J.

OHMMETERS

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 Associated Research Inc., 3758 W. Belmont, Chicago 18, Ill.
 Biddle Co., James G., 1316 Arch St., Philadelphia 7, Pa.
 Bradshaw Instruments Co., 348 Livingston St., Brooklyn 17, N. Y.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Clippard Instrument Lab., Inc., 1125 Bank St., Cincinnati 14, Ohio
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Communication Measurements Lab., Inc., 120 Greenwich St., New York, N. Y.
 DeJur-Amsco Corp., Northern Blvd. at 45th St., Long Island City 1, N. Y.
 Douglas Radio Labs., 40 Wayland St., Boston 25, Mass.
 Electric Design & Mfg. Corp., Burlington, Iowa
ELECTRONIC DESIGNS, INC., Irvington, N. Y. SEE ADV. PG. 230.
 Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
ELECTRONIC INSTRUMENT CO., INC., 276 Newport St., Brooklyn 12, N. Y. SEE ADV. PG. 233.
 Esterline-Angus Co., Inc., P. O. Box 586, Indianapolis, Ind.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Heath Co., Benton Harbor, Mich.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 International Instruments, Inc., 331 East St., New Haven 11, Conn.
J B T INSTRUMENTS, INC., 441 Chapel St., New Haven 8, Conn. SEE ADV. PG. 229.
 Jackson Electrical Instrument Co., 16 S. Patterson Blvd., Dayton 1, Ohio
 Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.
 Lyman Electronic Corp., 12 Cass St., Springfield, Mass.
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
 Martindale Electric Co., Box 617, Edgewater Branch, Cleveland 7, Ohio
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.
 Precision Apparatus Co., Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.
 Precision Resistor Co., 334 Badger Ave., Newark 8, N. J.
 RMS Electronics, Inc., 622 E. 6th St., New York, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Design Co., 1353 Sterling Pl., Brooklyn, N. Y.
 Roller-Smith, Bethlehem, Pa.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
SHURITE METERS, 61 Hamilton St., New Haven 8, Conn. SEE ADV. PG. 225.

Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.
 Star Measurements Co., 442 East 166th St., New York 56, N. Y.
 Sticht Co., Inc., Herman H., 27 Park Place, New York 7, N. Y.
 Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
 Superior Instruments Co., 227 Fulton St., New York 7, N. Y.
 Supreme, Inc., Greenwood, Miss.
 Triplett Electrical Instrument Co., 286 Harmon Rd., Bluffton, Ohio
 Welch Scientific Co., W. M., 1515 Sedgwick St., Chicago 10, Ill.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
 Weston Laboratories, Weston 93, Mass.
 Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

OPTICAL EQUIPMENT AND OPTICAL SPECIALTIES

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 American Optical Co., Scientific Instrument Div., Box A., Buffalo 15, N. Y.
 Argus Inc., Ann Arbor, Mich.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
ART WIRE & STAMPING CO., 227 High St., Newark 2, N. J. SEE ADV. PG. 232.
 Bache & Co., Semon, 636 Greenwich St., New York 14, N. Y.
 Bausch & Lomb Optical Co., 635 St. Paul St., Rochester 2, N. Y.
 Buhl Optical Co., 1009 Beech Ave., Pittsburgh 12, Pa.
 Corning Glass Works, Corning, N. Y.
 Eastman Kodak Co., Industrial Photographic Sales Div., 343 State St., Rochester 4, N. Y.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Farrand Optical Co., Inc., Bronx Blvd. at 238th St., New York 66, N. Y.
 Fish-Schurman Corp., 230 East 45th St., New York 17, N. Y.
 Gardner Lab., Inc., Henry A., 4723 Elm St., Bethesda 14, Md.
 Geophysical Instrument Co., 1820 N. Nash St., Arlington, Va.
 Inland Plastic of America, Inc., 20 W. 30th St., New York, N. Y.
 Jarrell-Ash Co., 165 Newberry St., Boston 16, Mass.
 Larrimore Sales Co., P. O. Box 1234, St. Louis 1, Mo.
 Optical Film Engineering Co., 2125 Cherry St., Philadelphia 3, Pa.
 Pancro Mirrors Inc., 2958 Los Feliz Blvd., Los Angeles 26, Cal.
 Perkin Elmer Corp., The, Glenbrook, Conn.
 Polan Industries, 220 Eighth St., Huntington, W. Va.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 Sincor Products Co., Malden, Mass.
 Valpey Crystals, Highland St., Holliston, Mass.
 Viewlex Inc., 35-01 Queens Blvd., Long Island City 1, N. Y.
 Zenith Optical Co., Div. of Polan Industries, Huntington 19, West Virginia

OSCILLATORS—Audio Fork Controlled

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon
ELECTRONIC MEASUREMENTS CORP., Red Bank, N. J. SEE ADV. PG. 172.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.

Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
 MacLeod & Hanopol, 10 Joiner St., Charlestown 29, Mass.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
PICKERING AND CO., 309 Woods Ave., Ocean-side, L. I., New York. SEE ADV. PG. 130.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Sierra Electronic Corp., Belmont & San Carlos, Calif.
 Times Facsimile Corp., 229 W. 43rd St., New York, N. Y.

OSCILLATORS—Audio Frequency

Aermotive Equipment Corp., 1632-8 Central St., Kansas City 10, Mo.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 American British Technology, Inc., 57 Park Ave., New York 16, N. Y.
 American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
BOONTON RADIO CORP., Boonton, N. J. SEE ADV. PG. 61.
BUD RADIO, INC., 2118 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
 Central Scientific Co., 1700 Irving Park Rd., Chicago 13, Ill.
 Clarke Instrument Corp., 910 King St., Silver Spring, Md.
 Clarkstan Corp., 11927 W. Pico Blvd., Los Angeles 34, Calif.
 Clough Bregle Co., 6014 N. Broadway, Chicago, Ill.
 Coastwise Electronics Corp., Inc., 130 N. Beaudry Ave., Los Angeles, Calif.
 Columbus Electronics Corp., 229 S. Waverly St., Yonkers, N. Y.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Development Engineering Co., Inc., The, 1818 Ashland St., Houston 8, Texas
 Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.
 Electronic Development Lab., 2655 W. 19th St., Chicago 8, Ill.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
 Erco Radio Labs, Inc., E. Stewart Ave., Garden City, N. Y.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Heath Co., Benton Harbor, Mich.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Instrument Electronics, 42-17A Douglaston Parkway, Douglaston, L. I., N. Y.
 Jackson Electrical Instrument Co., 16 S. Patterson Blvd., Dayton 1, Ohio
 MacLeod & Hanopol, 10 Joiner St., Charlestown 29, Mass.
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Monitor Prods. Co., 815 Fremont Ave., So. Pasadena, Calif.
PICKERING AND CO., 309 Woods Ave., Ocean-side, L. I., New York. SEE ADV. PG. 130.

Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Radio City Products Co., Inc., 152 W. 25th St., New York 1, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Reiner Electronics Co., 152 W. 25th St., New York, N. Y.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 Scott Inc., Herman Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W.C.2, England
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Televiso Products Inc., 7466 West Irving Park Road, Chicago 34, Ill.
 Thermionic Engineering Corp., Pompton Plains, N. J.
 Weinschel Engineering Co., 123 William St., New York 7, N. Y.

OSCILLATORS—Cavity

Decimeter Inc., 1430 Market St., Denver 2, Colo.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Premier Instrument Corp., 52 W. Houston St., New York 12, N. Y.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Televiso Products Inc., 7466 West Irving Park Road, Chicago 34, Ill.

OSCILLATORS—Crystal

American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
BLILEY ELECTRIC CO., Union Station Bldg., Erie, Pa. SEE ADV. PG. 91.
 Burnett Radio Lab., Wm. W. L., 4814 Idaho St., San Diego, Calif.
CLARK CRYSTAL CO., 2 Farm Rd., Marlboro, Mass. SEE ADV. PG. 175.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Crystal Research Labs., Inc., 29 Allyn St., Hartford, Conn.
 Eidson Electronic Co., 1801 N. Third St., Temple, Texas
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
 Gates Radio Co., Quincy, Ill.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 Knights Co., James, 131 S. Wells St., Sandwich, Ill.
LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Monitor Prods. Co., 815 Fremont Ave., So. Pasadena, Calif.
 Norrman Labs., Ernst, Williams Bay, Wisc.

Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Premier Crystal Labs., Inc., 79-89 Seventh Ave., New York 11, N. Y.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Radio Specialty Mfg. Co., 2023 S. E. Sixth Ave., Portland 14, Ore.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
 Reiner Electronics Co., 152 W. 25th St., New York, N. Y.
 Schuttig & Co., Inc., 9th & Kearney Sts., N.E., Washington 17, D. C.
 Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.
 Standard Piezo Co., 127 Cedar St., Carlisle, Pa.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W.C.2, England
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Westline Electronics Co., 11660 Olympic Blvd., Los Angeles 25, Calif.

OSCILLATORS—Microwave Power

Airborne Instruments Lab., Inc., 160 Old Country Rd., Mineola, N. Y.
 Decimeter Inc., 1430 Market St., Denver 2, Colo.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 Leru Laboratories, Inc., 360 Bleecker St., New York 14, N. Y.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Microwave Equipment Co., North Caldwell, N. J.
POLARAD ELECTRONICS CO., 9 Ferry St., New York 7, N. Y. SEE ADV. PG. 228.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court Ct., Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.

OSCILLATORS—Oven Crystal Control

BLILEY ELECTRIC CO., Union Station Bldg., Erie, Pa. SEE ADV. PG. 91.
 Burnett Radio Lab., Wm. W. L., 4814 Idaho St., San Diego, Calif.
CLARK CRYSTAL CO., 2 Farm Rd., Marlboro, Mass. SEE ADV. PG. 175.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Crystal Research Labs., Inc., 29 Allyn St., Hartford, Conn.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Knights Co., James, 131 S. Wells St., Sandwich, Ill.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Monitor Prods. Co., 815 Fremont Ave., So. Pasadena, Calif.
 Monroe Coil Co., 1606 N. California St., Chicago, Ill.
 Norrman Labs., Ernst, Williams Bay, Wisc.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Precision Piezo Service, 427 Mayflower St., Baton Rouge, La.
 Premier Crystal Labs., Inc., 79-89 Seventh Ave., New York 11, N. Y.

Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Valpey Crystals, Highland St., Holliston, Mass.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Westline Electronics Co., 11660 Olympic Blvd., Los Angeles 25, Calif.

OSCILLATORS—Radio Frequency

American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
BLILEY ELECTRIC CO., Union Station Bldg., Erie, Pa. SEE ADV. PG. 91.
 Bradshaw Instruments Co., 348 Livingston St., Brooklyn 17, N. Y.
 Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon
 Burnett Radio Lab., Wm. W. L., 4814 Idaho St., San Diego, Calif.
 Clarke Instrument Corp., 910 King St., Silver Spring, Md.
 Coastwise Electronics Corp., Inc., 130 N. Beaudry Ave., Los Angeles, Calif.
 Collins Radio Co., Cedar Rapids, Iowa
 Columbus Electronics Corp., 229 S. Waverly St., Yonkers, N. Y.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 D. & M. Mfg. Co., 2 Delford Ave., Bergenfield, N. J.
 Decimeter Inc., 1430 Market St., Denver 2, Colo.
 Electronic Development Lab., 2655 W. 19th St., Chicago 8, Ill.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
 Ereo Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.
 Espy Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Essex Electronics, Berkeley Heights, N. J.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
 Gates Radio Co., Quincy, Ill.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Heath Co., Benton Harbor, Mich.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Inductograph Laboratory, Box 76, Brookfield, Conn.
 Jackson Electrical Instrument Co., 16 S. Patterson Blvd., Dayton 1, Ohio
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 Knights Co., James, 131 S. Wells St., Sandwich, Ill.
 La Rose & Associates, W. T., 646 Second Ave., Troy, N. Y.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Monitor Prods. Co., 815 Fremont Ave., So. Pasadena, Calif.
NORTHERN RADIO CO., INC., 143-145 W. 22nd St., New York 11, N. Y. SEE ADV. PGS. 153-155.
 Precision Apparatus Co., Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Rollin Co., 2070 N. Fair Oaks Ave., Pasadena 3, Calif.

Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 Schuttig & Co., Inc., 9th & Kearney St., N. E., Washington 17, D. C.
 Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.
 Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Superior Instruments Co., 227 Fulton St., New York 7, N. Y.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Technology Instrument Corp., 1058 Main St., Waltham, Mass.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 Weston Laboratories, Weston 93, Mass.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Westline Electronics Co., 11660 Olympic Blvd., Los Angeles 25, Calif.

OSCILLATORS—Ultrasonic

BOONTON RADIO CORP., Boonton, N. J. SEE ADV. PG. 61.
CLARK CRYSTAL CO., 2 Farm Rd., Marlboro, Mass. SEE ADV. PG. 175.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Communication Accessories Co., Box 345, 110th St. & Hillcrest Rd., Hickman Hills, Missouri
 Crystal Research Labs., Inc., 29 Allyn St., Hartford, Conn.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
 Fisher Scientific Co., 717 Forbes St., Pittsburgh 19, Pa.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
 Knights Co., James, 131 S. Wells St., Sandwich, Ill.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Monitor Prods. Co., 815 Fremont Ave., So. Pasadena, Calif.
 National-Simplex-Bludworth, Inc., Bludworth Marine Div., 92 Gold St., New York 7, N. Y.
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Sherron Electronics Co., 1201 Flushing Ave., Brooklyn, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Submarine Signal Div., Raytheon Mfg. Co., Waltham, Mass.
 Televison Products Inc., 7466 West Irving Parkway, Chicago 34, Ill.
 Triplett & Barton, Inc., 831 N. Lake St., Burbank, Calif.
 Valpey Crystals, Highland St., Holliston, Mass.
 Westline Electronics Co., 11660 Olympic Blvd., Los Angeles 25, Calif.

OSCILLATORS, GRID GRIP—High Frequency & vhf

De Vine Laboratories, Madison, N. J.
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.

OSCILLOGRAPHS—Direct Writing

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Edin Electronics Co., 207 Main St., Worcester, Mass.
 Electro-Medical Lab. Inc., Holliston, Mass.
 Electro-Physical Labs., Inc., 290-8 Dyckman St., New York 34, N. Y.

Electrofax Corp., 30 Burtis Ave., New Canaan, Conn.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Offner Electronics Inc., 5320 N. Kedzie Avenue, Chicago 25, Ill.
 Radio Inventions, Inc., 155 Perry St., New York 14, N. Y.
RAHM INSTRUMENTS, INC., 12 West Broadway, New York 7, N. Y. SEE ADV. PG. 222.
SANBORN CO., 39 Osborn St., Cambridge 39, Mass. SEE ADV. PG. 30.

OSCILLOGRAPHS—Multi-Element

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
BRUSH DEVELOPMENT CO., THE, 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
CENTURY GEOPHYSICAL CORP., Tulsa 3, Oklahoma. SEE ADV. PG. 164.
CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
 Consolidated Engineering Corp., 620 N. Lake Ave., Pasadena 4, Calif.
 Du Mont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J.
 Edin Electronics Co., 207 Main St., Worcester, Mass.
 Electrofax Corp., 30 Burtis Ave., New Canaan, Conn.
 Electro-Physical Labs., Inc., 290-8 Dyckman St., New York 34, N. Y.
 Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
 Heiland Research Corp., 130 E. 5th Ave., Denver 9, Colo.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Miller Corp., Wm., 362 W. Colorado St., Pasadena, Calif.
 Radio Inventions, Inc., 155 Perry St., New York 14, N. Y.
SANBORN CO., 39 Osborn St., Cambridge 39, Mass. SEE ADV. PG. 30.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

OSCILLOGRAPHS—Recording

Aeme Electronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Alfax Paper & Engrg. Co., 40 Riverside Ave., Brockton 27 E. B., Mass.
BRUSH DEVELOPMENT CO., THE, 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Central Research Laboratories, Inc., Red Wing, Minn.
CENTURY GEOPHYSICAL CORP., Tulsa 3, Oklahoma. SEE ADV. PG. 164.
CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
 Consolidated Engineering Corp., 620 N. Lake Ave., Pasadena 4, Calif.
 Du Mont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J.
 Edin Electronics Co., 207 Main St., Worcester, Mass.
ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.
 Electrofax Corp., 30 Burtis Ave., New Canaan, Conn.
 Electro-Physical Labs., Inc., 290-8 Dyckman St., New York 34, N. Y.
 Eltron, Inc., 407 N. Jackson St., Jackson, Mich.
 Engineering Lab., Inc., 602 E. 4th St., Tulsa 3, Okla.
 Furst Electronics, 10A S. Jefferson St., Chicago 6, Ill.
 Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
 Heiland Research Corp., 130 E. 5th Ave., Denver 9, Colo.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.

Miller Corp., Wm., 362 W. Colorado St., Pasadena, Calif.
 Radio Inventions, Inc., 155 Perry St., New York 14, N. Y.
RAHM INSTRUMENTS, INC., 12 West Broadway, New York 7, N. Y. SEE ADV. PG. 222.
SANBORN CO., 39 Osborn St., Cambridge 39, Mass. SEE ADV. PG. 30.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

OSCILLOGRAPHS—Transient Study

American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
BROWNING LABORATORIES, INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
BRUSH DEVELOPMENT CO., THE, 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Central Research Laboratories, Inc., Red Wing, Minn.
 Du Mont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J.
 Eltron, Inc., 407 N. Jackson St., Jackson, Mich.
 Furst Electronics, 10A S. Jefferson St., Chicago 6, Ill.
 Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
 Heiland Research Corp., 130 E. 5th Ave., Denver 9, Colo.
INDUSTRIAL ELECTRONICS, INC., 2457 Woodward Ave., Detroit 1, Mich. SEE ADV. PG. 226.
 Ionic Equipment Co., 1705 N. Kenmore Ave., Los Angeles 27, Calif.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 Miller Corp., Wm., 362 W. Colorado St., Pasadena, Calif.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

OSCILLOMETERS

Electro-Physical Labs., Inc., 290-8 Dyckman St., New York 34, N. Y.

OSCILLOSCOPES—Cathode Ray

For Accessories—See Hoods, Viewing
 American British Technology, Inc., 57 Park Ave., New York 16, N. Y.
 American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
BETA ELECTRONICS CO., 1762 3rd Ave., New York 29, N. Y. SEE ADV. PG. 126.
BROWNING LABS., INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
 Central Research Laboratories, Inc., Red Wing, Minn.
 Central Scientific Co., 1700 Irving Park Rd., Chicago 13, Ill.
 Commercial Research Labs., Inc., 20 Bartlett Ave., Detroit 3, Mich.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Du Mont Laboratories, Inc., Allen B., 2 Main Ave., Passaic, N. J.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Electronic Development Lab., 2655 W. 19th St., Chicago 8, Ill.
ELECTRONIC INSTRUMENT CO., INC., 276 Newport St., Brooklyn 12, N. Y. SEE ADV. PG. 233.
 Electronic Tube Corp., 1200 E. Mermaid Ave., Philadelphia 18, Pa.
 Eltron, Inc., 407 N. Jackson Street, Jackson, Mich.
 Federal Telecommunication Labs., Inc., 500 Washington Ave., Nutley 10, N. J.

FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.

Furst Electronics, 10A S. Jefferson St., Chicago 6, Ill.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.

Heath Co., Benton Harbor, Mich.

Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio

INDUSTRIAL ELECTRONICS, INC., 2457 Woodward Ave., Detroit 1, Mich. SEE ADV. PG. 226.

Jackson Electrical Instrument Co., 16 S. Patterson Blvd., Dayton 1, Ohio

KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.

LAMBDA ELECTRONICS CORP., 103-02 Northern Blvd., Corona, N. Y. SEE ADV. PG. 177.

LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.

Lear, Inc., 110 Ionia Ave., N. W., Grand Rapids 2, Mich.

Measurement Engineering Ltd., Arnprior, Ontario, Can.

Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.

Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.

Philco Corp., Tioga & C Sts., Phila. 34, Pa.

Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.

RAHM INSTRUMENTS, INC., 12 West Broadway, New York 7, N. Y. SEE ADV. PG. 222.

Reiner Electronics Co., 152 West 25th St., New York, N. Y.

Research Electronics Lab., 2459 Susquehanna Rd., Roslyn, Pa.

Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.

Supreme, Inc., Greenwood, Miss.

SYLVANIA ELECTRIC PRODUCTS, INC., 500 Fifth Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

TEKTRONIX, INC., 712 S. E. Hawthorne Blvd., Portland 14, Ore. SEE ADV. PG. 32.

Telemark Electronics Corp., 325 Troy Ave., Brooklyn 13, N. Y.

Television Equipment Corp., 238 William St., New York 7, N. Y.

Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.

Triumph Mfg. Co., 913 W. Van Buren St., Chicago 7, Ill.

WATERMAN PRODUCTS CO., INC., 2445-63 Emerald St., Philadelphia 25, Pa. SEE ADV. PG. 146.

Weston Laboratories, Weston 93, Mass.

OVENS—Electric

STEINER-IVES CO., 16 Avenue L, Newark 5, N. J. SEE ADV. PG. 192.

OVENS—Infra-Red Drying

Fostoria Pressed Steel Corp., Fostoria, Ohio

Miskella Infra-Red Co., The, E. 73rd & Grand Ave., Cleveland 4, Ohio

North American Electric Lamp Co., 1014 Tyler St., St. Louis 6, Mo.

Special Chemicals Corp., 30 Irving Pl., New York 3, N. Y.

Trumbull Electric Mfg. Co., Plainville, Conn.

PAINTS—Conductive (For Printed Circuit)

Acheson Colloids Corp., Port Huron, Mich.

du Pont de Nemours & Co., Inc., E. L., Wilmington 98, Del.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

Horn Co., Inc., A. C., 43-36 Tenth St., Long Island City 1, N. Y.

Sauerisen Cements Co., Sauerisen Bldg., Pittsburgh 15, Pa.

PANELS—Instrument

Airborne Electronics Co., Metropolitan Airport Hangar #3, Van Nuys, Calif.

ART-LLOYD METAL PRODUCTS CORP., 2973 Cropsy Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.

Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.

Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio

Bristol Co., The, Waterbury 91, Conn.

Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.

Collins Radio Co., Cedar Rapids, Iowa

Dahlstrom Metallic Door Co., Jamestown, N. Y.

Etched Products Corp., 39-01 Queens Blvd., Long Island City, N. Y.

Falstrom Co., 44 Falstrom Court, Passaic, N. J.

Foxboro Co., The, Foxboro, Mass.

Gates Radio Co., Quincy, Ill.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.

Hopp Press, Inc., 460 W. 34th St., New York, N. Y.

Illinois Testing Labs., Inc., 420 N. LaSalle St., Chicago 10, Ill.

Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.

Insulation Mfg. Co., 11 New York Ave., Brooklyn, N. Y.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.

KARP METAL PRODUCTS CO., INC., 215 63rd St., Brooklyn 20, N. Y. SEE ADV. PG. 50.

Kirk & Blum Mfg. Co., 2893 Spring Grove Ave., Cincinnati 25, Ohio

La Magna Mfg. Co., Inc., East Rutherford, N. J.

Lamicoid Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.

Masonite Corp., 111 W. Washington St., Chicago 2, Ill.

Measurement Engineering Ltd., Arnprior, Ontario, Canada

Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.

Mica Insulator Co., Schenectady 1, N. Y.

Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.

MYCALEX CORP. OF AMERICA, 60 Clifton Blvd., Clifton, N. J. SEE ADV. PGS. 124, 125.

NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.

National Electrical Machine Shops, Inc., 919 Jesup-Blair Dr., Silver Spring, Md.

Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.

Panelyte Div., St. Regis Paper Co., 230 Park Ave., New York, N. Y.

Pierce Template Corp., 2646 N. Coral St., Philadelphia 25, Pa.

Premier Metal Etching Co., 21-03 44th Ave., Long Island City, N. Y.

Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.

Printloid Inc., 95 Mercer St., New York, N. Y.

REF Mfg. Corp., Jericho Turnpike, Mineola, N. Y.

Radiad Service, 720 W. Schubert Ave., Chicago 14, Ill.

Reiner Electronics Co., 152 W. 25th St., New York, N. Y.

Robinson Aviation, Inc., Teterboro, N. J.

Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.

Stamford Metal Specialty Co., Inc., 429 W. Broadway, New York 12, N. Y.

Sun Dial Corp., E. Passaic Ave., Caldwell Township, N. J.

Synthane Corp., Oaks, Pa.

WALTER CO., S., 1400 Atlantic Ave., Brooklyn 16, N. Y. SEE ADV. PG. 173.

Waterbury Companies, Inc., Waterbury 90, Conn.

WEISS, JERRY L., 21 Plandome Rd., Manhasset, L. I., N. Y. SEE ADV. PG. 218.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Philadelphia 31, Pa.

PANELS—Receiver & Transmitter

ART-LLOYD METAL PRODUCTS CORP., 2973 Cropsy Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.

Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.

Caltron Co., 1406 So. Hobart Blvd., Los Angeles 6, Calif.

Collins Radio Co., Cedar Rapids, Iowa

Dahlstrom Metallic Door Co., Jamestown, N. Y.

Etched Products Corp., 39-01 Queens Blvd., Long Island City, N. Y.

Gates Radio Co., Quincy, Ill.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.

Johnson Co., E. F., Waseca, Minn.

KARP METAL PRODUCTS CO., INC., 215 63rd St., Brooklyn 20, N. Y. SEE ADV. PG. 50.

LaMagna Mfg. Co., Inc., East Rutherford, N. J.

Masonite Corp., 111 W. Washington St., Chicago 2, Ill.

Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.

MYCALEX CORP. OF AMERICA, 60 Clifton Blvd., Clifton, N. J. SEE ADV. PGS. 124, 125.

NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105, 108.

Pierce Template Corp., 2646 N. Coral St., Philadelphia 25, Pa.

Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.

Printloid Inc., 95 Mercer St., New York, N. Y.

REF Mfg. Corp., Jericho Turnpike, Mineola, N. Y.

Robinson Aviation, Inc., Teterboro, N. J.

Schuttig & Co., Inc., 9th & Kearney Sts., N. E., Washington 17, D. C.

Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.

Sun Dial Corp., E. Passaic Ave., Caldwell Township, N. J.

Synthane Corp., Oaks, Pa.

United Radio Mfg. Co., 191 Greenwich St., New York, N. Y.

WALTER CO., S., 1400 Atlantic Ave., Brooklyn 16, N. Y. SEE ADV. PG. 173.

WEISS, JERRY L., 21 Plandome Rd., Manhasset, L. I., N. Y. SEE ADV. PG. 218.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

PANELS—Relay Rack

ART-LLOYD METAL PRODUCTS CORP., 2973 Cropsy Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.

Autocall Co., The, Shelby, Ohio

Bardwell & McAllister, Inc., P. O. Box 1310, Hollywood, Calif.

BUD RADIO INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.

Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.

Collins Radio Co., Cedar Rapids, Iowa

Cook Electric Co., 2700 Southport Ave., Chicago, Ill.

Dahlstrom Metallic Door Co., Jamestown, N. Y.

Eclipse Mfg. Co., Inc., 294 East 137th St., New York 54, N. Y.

FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.

Johnson Co., E. F., Waseca, Minn.

KARP METAL PRODUCTS CO., INC., 215 63rd St., Brooklyn 20, N. Y. SEE ADV. PG. 50.

Kirk & Blum Mfg. Co., 2893 Spring Grove Ave., Cincinnati 25, Ohio

Masonite Corp., 111 W. Washington St., Chicago 2, Ill.

Measurement Engineering Ltd., Arnprior, Ontario, Canada

Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.

NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.

National Electrical Machine Shops, Inc., 919 Jesup-Blair Dr., Silver Spring, Md.

Newcomb Audio Products Co., 6824 Lexington Ave., Hollywood 38, Calif.

Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.
 Par-Metal Products Corp., 32-62 49th St., Long Island City 3, N. Y.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Printloid Inc., 95 Mercer St., New York, N. Y.
 REF Mfg. Corp., Jericho Turnpike, Mineola, N. Y.
 Robinson Aviation, Inc., Teterboro, N. J.
 Schuttig & Co., Inc., 9th & Kearney Sts., N. E., Washington 17, D. C.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
WALTER CO., S., 1400 Atlantic Ave., Brooklyn 16, N. Y. SEE ADV. PG. 173.
WEISS, JERRY L., 21 Plandome Rd., Manhasset, L. I., N. Y. SEE ADV. PG. 218.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

PAPER

See Insulation Materials

PAPER—Facsimile Recording

Alfax Paper & Engrg. Co., 40 Riverside Ave., Brockton 27 E. B., Mass.
 Electrofax Corp., 30 Burtis Ave., New Canaan, Conn.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Radio Inventions, Inc., 155 Perry St., New York 14, N. Y.
 Times Facsimile Corp., 229 W. 43rd St., New York, N. Y.
 Western Union Telegraph Co., 60 Hudson St., New York 13, N. Y.

PERMEAMETERS—High H

Rubicon Co., 3751 Ridge Ave., Philadelphia, Pa.

PHENOLIC MOLDING COMPOUNDS

See Insulating Compounds

PHONOGRAPHS—Electric Phonographs & Record Players

Admiral Corp., 3800 Cortland St., Chicago 47, Ill.
 Aim Industries, 41 Union Sq., New York 3, N. Y.
 Aireon Mfg. Corp., 1401 Fairfax Trafficway, Kansas City 15, Kansas
 Air-King Products Co., Inc., 170 53rd St., Brooklyn, N. Y.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
 American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 Andrea Radio Corp., 2701 Bridge Plaza, North, L. I. City, N. Y.
 Audar Inc., Argos, Indiana
 Audio Industries, Michigan City, Ind.
 Autocrat Radio Co., 3855 N. Hamilton Ave., Chicago, Ill.
 Bardwell & McAllister, Inc., P. O. Box 1310, Hollywood, Calif.
 Bell Sound Systems, Inc., 555 Marion Rd., Columbus 7, Ohio
 Berndt-Bach, Inc., 7377 Beverly Blvd., Los Angeles 36, Calif.
 Bogen Co., David, 663 Broadway, New York 12, N. Y.
 Brociner Electronics Laboratory, 1546 Second Ave., New York 28, N. Y.
 Califone Corp., 1041 N. Sycamore Ave., Hollywood 38, Calif.
 Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.
 Collins Audio Products Co., P. O. Box 368, Westfield, N. J.
 Communicating Systems Inc., 203 E. 18th St., New York 3, N. Y.
 Continental Electronics, Ltd., 252 Norman Ave., Brooklyn 22, N. Y.
 Coronet Radio & Television Corp., 500 W. 52nd St., New York 19, N. Y.
 Crystal Devices Co., Inc., 50 Mill Rd., Freeport, N. Y.
 Emerson Radio & Phonograph Corp., 111 Eighth Ave., New York, N. Y.

Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Fada Radio & Electric Co., Inc., 525 Main St., Belleville, N. J.
 Fisher Radio Corp., 41 E. 47th St., New York, N. Y.
 Five Star Radio Co., 416 Broadway, Cambridge, Mass.
 Garrard Sales Corp., 315 Broadway, New York 7, N. Y.
 Godfrey Mfg. Co., 171 S. 2nd St., Milwaukee 4, Wis.
 Harris Mfg. Co., 2422 W. Seventh St., Los Angeles 5, Calif.
 Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.
 International Detrola Corp., Detrola Radio Div., 1501 Beard Ave., Detroit, Mich.
 M. P. Concert Installations, Fairfield 10, Conn.
 Magnetic Products Corp., The, Norwalk, Conn.
 Magnovox Co., The, Components Div., Fort Wayne 4, Ind.
 Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
 Meck Industries, John, Liberty at Pennsylvania, Plymouth, Ind.
 Mid-American Sales Co., 315-17-19 N. Cardinal Ave., St. Louis 3, Mo.
 Mirror Record Corp., 1133 Broadway, New York 10, N. Y.
 Newcomb Audio Products Co., 6824 Lexington Ave., Hollywood 38, Calif.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
PRESTO RECORDING CORP., Paramus, N. J. SEE ADV. PGS. 40, 41.
 Radiad Service, 720 W. Schubert Ave., Chicago 14, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Rauland-Borg Corp., 4245 N. Knox Ave., Chicago 41, Ill.
 Ray-Dyne Mfg. Corp., 141 W. 24th St., New York 11, N. Y.
 Regal Electronics Corp., 603 W. 130th St., New York 27, N. Y.
 Riggs & Jeffreys, Inc., 140 Glenridge Ave., Montclair, N. J.
 Sandwich-Bowen Corp., 4712 Bethesda Ave., Bethesda, Md.
 Scott, Inc., Hermon Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
 Seeburgh Corp., J. P., 1500 N. Dayton Ave., Chicago 22, Ill.
 Shevers Inc., Harold, 33 W. 46th St., New York 19, N. Y.
 Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City 3, N. Y.
 Speak-O-Phone Recording & Equipment Co., 28 W. 60th St., New York, N. Y.
 Stark Sound Engineering Co., 2131 Fairfield, Fort Wayne 7, Ind.
 Symphonic Radio & Electronic Corp., 292-8 Main St., Cambridge 42, Mass.
 Symphony Radio & Television Corp., 721 N. Martel Ave., Los Angeles 46, Calif.
 Talk-A-Phone Co., 1512 S. Pulaski Rd., Chicago 23, Ill.
 Tech-Master Products Co., 443-445 Broadway, New York 13, N. Y.
 Telegrip Radio Co., 1901 S. Washtenaw, Chicago, Ill.
 Tele-Tone Radio Corp., 540 W. 58th St., New York 19, N. Y.
 United Radio Electronics Corp., 901 W. Jackson Blvd., Chicago, Ill.
 Waters Conley Co., 501 First St., N. W., Rochester, Minn.
 Watterson Radio Mfg. Corp., P. O. Box 840, Dallas, Texas
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Western Sound & Electric Labs., Inc., 805 S. Fifth St., Milwaukee 4, Wis.
 Wilcox-Gay Corp., Charlotte, Mich.

PHOTOFLASH EQUIPMENT—Electronic

Anglo Corp., 4234 Lincoln Ave., Chicago 18, Ill.
 Avia Products Co., 7266 Beverly Blvd., Los Angeles 36, Calif.
 Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.

Electronic Products Co., 443 Greenwich St., New York, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Heath Co., Benton Harbor, Mich.
 Heiland Research Corp., 130 E. 5th Ave., Denver 9, Colo.
 Ionic Equipment Co., 1705 N. Kenmore Ave., Los Angeles 27, Calif.
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y.
 Kemlite Labs., 1819 W. Grand Ave., Chicago 22, Ill.
 Kluge Electronics, Inc., 1913 Montrose St., Los Angeles 26, Calif.
 Lectronic Research Labs., 1021 Callowhill St., Phila. 23, Pa.
 O'Connor & Co., John T., West Orange, N. J.
 Photobell Co., 116 Nassau St., New York 7, N. Y.
 Photocon Research Products, 1062 N. Allen Ave., Pasadena 7, Calif.
RAYTHEON MANUFACTURING CO., Equipment Sales Division, Waltham 54, Mass. SEE ADV. PG. 55.
RESEARCH ELECTRONICS LAB., 2459 Susquehanna Rd., Roslyn, Pa. SEE ADV. PG. 233.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Triumph Mfg. Co., 913 W. Van Buren St., Chicago 7, Ill.
 Webster Engineering Co., 105 Tenth St., N. E., Cedar Rapids, Iowa

PHOTOGRAPHIC MATERIALS—Films and Papers for Recording Instruments

Anso Div. of General Aniline & Film Corp., Binghamton, N. Y.
 Eastman Kodak Co., Industrial Photographic Sales Div., 343 State St., Rochester 4, N. Y.
 Haloid Co., The, 6 Haloid St., Rochester, N. Y.
 Peerless Photo Products, Shoreham, L. I., N. Y.
 Post & Co., Frederick, Chicago, Ill.

PHOTOGRAPHIC MATERIALS—Spectrographic Instruments

Eastman Kodak Co., Industrial Photographic Sales Div., 343 State St., Rochester 4, N. Y.

PHOTOGRAPHIC MATERIALS—X-Ray Films

Anso Div. of General Aniline & Film Corp., Binghamton, N. Y.
 du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Delaware
 Eastman Kodak Co., Industrial Photographic Sales Div., 343 State St., Rochester 4, N. Y.
 North American Philips Co., 100 E. 42nd St., New York 17, N. Y.

PHOTOMETERS

Adair & Rhamstine, 314 Beaubien St., Detroit 26, Mich.
 Brociner Electronics Lab., 1546 Second Ave., New York 28, N. Y.
 Farrand Optical Co., Inc., Bronx Blvd. at 238th St., New York 66, N. Y.
 Fish-Schurman Corp., 230 East 45th St., New York 17, N. Y.
 Gardner Lab., Inc., Henry A., 4723 Elm St., Bethesda 14, Md.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 Photovolt Corp., 95 Madison Ave., New York 16, N. Y.
 Rubicon Co., 3751 Ridge Ave., Philadelphia, Pa.

PH METERS, RECORDERS AND COMPARATORS

See Meters

PHOTOCOPIERS

See Machines

PHOTOTUBES AND PHOTOCELLS

See Tubes

PICKUPS—Crystal

See Crystal Cartridges

PICKUPS—Industrial

Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.

PICKUPS—Magnetic

Astatic Corp., The, Conneaut, Ohio
 Audak Co., 500 Fifth Ave., New York, N. Y.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Caltron Co., 1406 Hobart Blvd., Los Angeles 6, Calif.
 Clarkstan Corp., 11927 W. Pico Blvd., Los Angeles 34, Calif.
 Commercial Research Labs., Inc., 20 Bartlett Ave., Detroit 3, Mich.
 Electro Products Labs., Inc., 549 W. Randolph St., Chicago 6, Ill.
 ELECTRO-VOICE, INC., Buchanan, Mich. SEE ADV. PG. 195.
 Fairchild Recording Equipment Corp., 154th St. & 7th Ave., Whitestone, N. Y.
 Flight Research Engineering Corp., P. O. Box 1-F, Richmond 1, Va.
 Garrard Sales Corp., 315 Broadway, New York 7, N. Y.
 GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-13.
 Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
 Lear, Inc., 110 Ionia Ave., N W, Grand Rapids 2, Mich.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back Cover and Back Cover.
 Radio-Music Corp., Port Chester, N. Y.
 Rek-O-Kut Co., Inc., 38-01 Queens Blvd., L. I. City, N. Y.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 Valco Mfg. Co., 4700 W. Walton St., Chicago 51, Ill.
 Webster Electric Co., 1900 Clark St., Racine, Wis.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

PICKUPS—Photoelectric

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Electronic Products Co., St. Charles, Ill.
 FORD INSTRUMENT CO., INC., 31-10 Thomson Ave., L. I. City, N. Y. SEE ADV. PG. 90.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back Cover and Back Cover.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.

PICKUPS—Quartz Crystal

Commercial Research Laboratories, Inc., 20 Bartlett Ave., Detroit 3, Mich.

PICKUPS—Transcription and Phonograph

Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa.
 American Microphone Co., 370 So. Fair Oaks Ave., Pasadena 1, Calif.
 Astatic Corp., The, Conneaut, Ohio
 Audak Co., 500 Fifth Ave., New York, N. Y.
 Barber & Howard, East Ave., Westerly, R. I.
 BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Califone Corp., 1041 N. Sycamore Ave., Hollywood 38, Calif.
 Caltron Co., 1406 So. Hobart Blvd., Los Angeles 34, Calif.
 Clarkstan Corp., 11927 W. Pico Blvd., Los Angeles 34, Calif.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Fairchild Recording Equipment Corp., 154th St. & 7th Ave., Whitestone, N. Y.
 Garrard Sales Corp., 315 Broadway, New York 7, N. Y.
 GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-13.
 Gray Mfg. Co., 16 Arbor St., Hartford, Conn.
 GRAY RESEARCH & DEVELOPMENT CO., 16 Arbor St., Hartford 1, Conn. SEE ADV. PG. 187.
 Lear, Inc., 110 Ionia Ave., N. W., Grand Rapids 2, Mich.
 Pfanstiehl Chemical Co., 104 Lakeview Ave., Waukegan, Ill.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 PICKERING AND CO., 309 Woods Ave., Ocean-side, L. I., N. Y. SEE ADV. PG. 130.
 PRESTO RECORDING CORP., Paramus, N. J. SEE ADV. PGS. 40, 41.
 PROCTOR SOUNDEX CORP., 133 N. 6th Ave., Mt. Vernon, N. Y. SEE ADV. PG. 230.
 RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back Cover and Back Cover.
 Radio-Music Corp., Port Chester, N. Y.
 Rek-O-Kut Co., Inc., 38-01 Queens Blvd., L. I. City, N. Y.
 Rowe Industries, 1702 Wayne St., Toledo 9, Ohio
 Shure Brothers, 225 W. Huron St., Chicago, Ill.
 Sonotone Corp., P. O. Box 200, Saw Mill River Rd., Elmsford, N. Y.
 Webster Electric Co., 1900 Clark St., Racine, Wis.
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Zephyr Products Co., 160 E. 116th St., New York 29, N. Y.

PILOTS—Automatic

Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Flight Research Engineering Corp., P. O. Box 1-F, Richmond 1, Va.
 Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.
 Intervox Corp., 2701 California Ave., Seattle, Wash.
 Lear, Inc., 110 Ionia Ave., N. W., Grand Rapids 2, Mich.
 Mettler Co., Lee B., 406 S. Main St., Los Angeles 13, Calif.
 SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

PITCH

See Insulating Compounds

PIVOTS—Instrumental Jewel

Electrovox Co., Inc., 66 Franklin St., East Orange, N. J.
 Gatti, Inc., Aurele M., 524 E. Washington St., Trenton, N. J.
 Goldsmith Bros. Smelting & Refining Co., 109 N. Wabash Ave., Chicago, Ill.
 International Merit Products Corp., 254 W. 54th St., New York 19, N. Y.

Miller Mfg. Co., M. A., 1169 E. 43rd St., Chicago 15, Ill.
 New Hampshire Ball Bearings, 5 Main St., Peterborough, N. H.
 Permo, Inc., 6415 Ravenswood Ave., Chicago, Ill.
 Steel Co., Herman D., Lafayette Bldg., Philadelphia 6, Pa.
 Swiss Jewel Co., Lafayette Bldg., Philadelphia 6, Pa.
 Tetrad Corp., 60 N. Broadway, Yonkers 2, N. Y.
 Vallorbs Jewel Co., Lancaster, Pa.
 Walco Sales Co., 60 Franklin St., East Orange, N. J.

PLASTIC MATERIALS

Allyls

Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Phila. 31, Pa.

Cellulose Acetate

American Molding Powder & Chemical Corp., 44 Hewes St., Brooklyn 11, N. Y.
 AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 Blum & Co., Julius, 532 W. 22nd St., N. Y., 11, N. Y.
 Celanese Corp. of America, 180 Madison Ave., New York 16, N. Y.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.
 Eastman Kodak Co., Industrial Photographic Sales Div., 343 State St., Rochester 4, N. Y.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 Hercules Powder Co., Inc., 900 Market St., Wilmington 99, Del.
 INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Koppers Co., Inc., Chemical Div., Koppers Bldg., Pittsburgh 19, Pa.
 Monsanto Chemical Co., Plastics Div., Springfield 2, Mass.
 Oppenheimer Inc., Alan D., 582-586 Exchange St., Buffalo, N. Y.
 Plastex Corp., 402 Mt. Vernon Ave., Columbus 3, Ohio
 Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
 Plastic Fabricators Co., 440 Sansome St., San Francisco 11, Calif.
 Plasticraft Products Co., 20 Hudson St., New York 13, N. Y.
 Plax Corp., P. O. Box 1019, Hartford, Conn.
 Polymer Corp., The, Reading, Pa.
 Spaulding Fibre Co., Inc., 310 Wheeler St., Tonawanda, N. Y.
 Tennessee Eastman Corp., Subsidiary Eastman Kodak Co., Kingsport, Tenn.
 Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Philadelphia 31, Pa.

Cellulose Acetate Butyrate

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Bamberger Corp., A., 44 Hewes St., Brooklyn 11, N. Y.
 Blum & Co., Julius, 532 W. 22nd St., New York 11, N. Y.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 Eastman Kodak Co., Industrial Photographic Sales Div., 343 State St., Rochester 4, N. Y.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 Oppenheimer Inc., Alan D., 582-586 Exchange St., Buffalo, N. Y.
 Plastic Corp., 402 Mt. Vernon Ave., Columbus 3, Ohio
 Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
 Plasticraft Products Co., 20 Hudson St., New York 13, N. Y.
 Plax Corp., P. O. Box 1019, Hartford, Conn.
 Polymer Corp., The, Reading, Pa.
 Tennessee Eastman Corp., Subsidiary Eastman Kodak Co., Kingsport, Tenn.

Cellulose Nitrate

du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 Hercules Powder Co., Inc., 900 Market St., Wilmington 99, Del.
 Monsanto Chemical Co., Plastics Div., Springfield 2, Mass.
 Oppenheimer Inc., Alan D., 582-584 Exchange St., Buffalo, N. Y.
 Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Philadelphia 31, Pa.

Ethyl Cellulose

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Bamberger Corp., A., 44 Hewes St., Brooklyn 11, N. Y.
 Dow Chemical Co., Midland, Mich.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 Hercules Powder Co., Inc., 900 Market St., Wilmington 99, Del.
INSULATION MANUFACTURERS CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Koppers Co., Inc., Chemical Div., Koppers Bldg., Pittsburgh 19, Pa.
 Oppenheimer Inc., Alan D., 582-586 Exchange St., Buffalo, N. Y.
 Plastex Corp., 402 Mt. Vernon Ave., Columbus 3, Ohio
 Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
 Plax Corp., P. O. Box 1019, Hartford, Conn.
 Polymer Corp., The, Reading, Pa.

Melamine Formaldehyde

American Cyanamid Co., Plastics Div., 30 Rockefeller Plaza., New York 20, N. Y.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 Insulating Fabricators, Inc., 12 E. 12th St., New York 3, N. Y.
 Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.
 Mica Insulator Co., Schenectady 1, N. Y.
 Monsanto Chemical Co., Plastics Div., Springfield 2, Mass.
 Panelyte Div., St. Regis Paper Co., 230 Park Ave., New York, N. Y.
 Plaskon Div., Libbey-Owens-Ford Glass Co., 2112-14 Sylvan Ave., Toledo 6, Ohio
 Rohm & Haas Co., Washington Square, Phila. 5, Pa.
 Synthane Corp., Oaks, Pa.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Methyl Methacrylate

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Bamberger Corp., A., 44 Hewes St., Brooklyn 11, N. Y.
 du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.
 Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.
 Oppenheimer Inc., Alan D., 582-586 Exchange St., Buffalo, N. Y.
 Peters Chemical Mfg. Co., 3623 Lake St., Melrose Park, Ill.
 Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
 Plastcraft Products Co., 20 Hudson St., New York 13, N. Y.
 Plax Corp., P. O. Box 1019, Hartford, Conn.
 Rohm & Haas, Washington Square, Philadelphia 5, Pa.

Phenol Formaldehyde—(Phenolics)

American-Marietta Co., Adhesive, Resin and Chemical Div., 3400 13th Ave., S. W., Seattle 4, Wash.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 American Resinous Chemical Co., 103 Foster St., Peabody, Mass.

Baer Co., N.S., 9 Montgomery St., Hillside, N. J.
 Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.
 Borden Co., The, Chemical Div., Durite Plastics, 5000 Summerdale Ave., Phila. 24, Pa.
 Catalin Corp. of America, 1 Park Ave., New York 16, N. Y.
 Durez Plastics & Chemicals, Inc., 1921 Walck Rd., N. Tonawanda, N. Y.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 Formica Company, The, Cincinnati 32, Ohio
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 Heresite & Chemical Co., Manitowoc, Wis.
 Insulating Fabricators, Inc., 12 E. 12th St., New York 3, N. Y.
 Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.
 Koppers Co., Inc., Chemical Div., Koppers Bldg., Pittsburgh 19, Pa.
 Lamicoid Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.
 Marlette Corp., 37-20 30th St., Long Island City, N. Y.
 Mica Insulator Co., Schenectady 1, N. Y.
 Monsanto Chemical Co., Plastics Div., Springfield 2, Mass.
 Panelyte Div., St. Regis Paper Co., 230 Park Ave., New York, N. Y.
 Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Phila. 44, Pa.
 Plastcraft Products Co., 20 Hudson St., New York 13, N. Y.
 Reilly Tar & Chemical Corp., Merchants Bank Bldg., Indianapolis, Ind.
 Rogers Corp., Manchester, Conn.
 Rohm & Haas Co., Washington Square, Phila. 5, Pa.
SCHENECTADY VARNISH CO., Schenectady, N. Y. SEE ADV. PG. 111.
 Skoning Corp., 319-325 Taunton Ave., E. Providence 14, R. I.
 Synthane Corp., Oaks, Pa.
 Synvar Corp., 415 E. Front St., Wilmington, Del.
 Taylor Fibre Co., Norristown, Pa.
 Taylor Mfg. Co., 3056 W. Meinecke Ave., Milwaukee 10, Wis.
 Valite Corp., Whitney Bldg., New Orleans 12, La.
 Watertown Mfg. Co., Watertown, Conn.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington 99, Del.

Polyethylene

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.
 Bamberger Corp., A., 44 Hewes St., Brooklyn 11, N. Y.
BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.
 Electro-Technical Products Div., Sun Chemical Corp., Nutley 10, N. J.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Plastex Corp., 402 Mt. Vernon Ave., Columbus 3, Ohio
 Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
 Plax Corp., P. O. Box 1019, Hartford, Conn.
 Polymer Corp., The, Reading, Pa.
 Surprenant Mfg. Co., 199 Washington St., Boston, Mass.
 Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Phila. 31, Pa.

Polystyrene

American Molding Powder & Chemical Corp., 44 Hewes St., Brooklyn 11, N. Y.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.

Blum & Co., Julius, 532 W. 22nd St., N. Y. 11, N. Y.
 Catalin Corp. of America, 1 Park Ave., New York 16, N. Y.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 Dow Chemical Co., Midland, Mich.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Koppers Co., Inc., Chemical Div., Koppers Bldg., Pittsburgh 19, Pa.
 Monsanto Chemical Co., Plastic Div., Springfield 2, Mass.
 Oppenheimer Inc., Alan D., 582-586 Exchange St., Buffalo, N. Y.
 Plastex Corp., 402 Mt. Vernon Ave., Columbus 3, Ohio
 Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
 Plastcraft Products Co., 20 Hudson St., New York 13, N. Y.
 Plax Corp., P. O. Box 1019, Hartford, Conn.
 Polymer Corp., The, Reading, Pa.
 Rohm & Haas Co., Washington Square, Philadelphia 5, Pa.
 Western Felt Works, 4029 Ogden Ave., Chicago, Ill.
 Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Philadelphia 31, Pa.

Polytetrafluoroethylene

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.
 Plax Corp., P. O. Box 1019, Hartford, Conn.

Resins

American Marietta Co., Adhesive, Resin & Chemical Div., 3400 13th Ave. S.W., Seattle 4, Wash.
 Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.
 Bamberger Corp., A., 44 Hewes St., Brooklyn 11, N. Y.
 Barrett Div., Allied Chemical & Dye Corp., 50 Rector St., New York 6, N. Y.
 Borden Co., The, Chemical Div., Durite Plastics, 5000 Summerdale Ave., Phila. 24, Pa.
 Catalin Corp. of America, 1 Park Ave., New York 16, N. Y.
 Dow Chemical Co., Midland, Mich.
 Dow Corning Corp., Midland, Mich.
 du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.
 Durez Plastics & Chemicals, Inc., 1921 Walck Rd., N. Tonawanda, N. Y.
 Emeloid Co., The, 1239 Central Ave., Hillside 5, N. J.
 Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.
GENERAL ANILINE & FILM CORP., Antara Prods., 444 Madison Ave., New York 17, N. Y. SEE ADV. PG. 185.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 Goodrich Chemical Co., B. F., Cleveland 15, Ohio
 Goodyear Tire & Rubber Co., Inc., Chemical Div., 1144 E. Market St., Akron 16, Ohio
 Hercules Powder Co., Inc., 900 Market St., Wilmington 99, Del.
 Heresite & Chemical Co., Manitowoc, Wis.
 Marbon Corp., Gary, Indiana
 Monsanto Chemical Co., Plastics Div., Springfield 2, Mass.
 Plaskon Div., Libbey-Owens-Ford Glass Co., 2112-14 Sylvan Ave., Toledo 6, Ohio
 Reichhold Chemicals, Inc., 601-707 Woodward Heights Blvd., Ferndale Sta., Detroit 20, Mich.
 Rohm & Haas Co., Washington Square, Philadelphia 5, Pa.
SCHENECTADY VARNISH CO., Schenectady, N. Y. SEE ADV. PG. 111.
 Shawinigan Products Corp., 350 5th Ave., New York 1, N. Y.
 Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
 Synvar Corp., 415 E. Front St., Wilmington, Del.
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
 U. S. Stoneware Co., The, Akron 9, Ohio
 Valite Corp., Whitney Bldg., New Orleans 12, La.

Urea Formaldehyde

American Cyanamid Co., Plastics Div., 30 Rockefeller Plaza, New York 20, N. Y.
 American Marietta Co., Adhesive, Resin & Chemical Div., 3400 13th Ave., S. W., Seattle 4, Wash.
 American Resinous Chemical Co., 103 Foster St., Peabody, Mass.
 Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 Mica Insulator Co., Schenectady 1, N. Y.
 Plaskon Division, Libbey-Owens-Ford Glass Co., 2112-14 Sylvan Ave., Toledo 6, Ohio
 Rohm & Haas Co., Washington Square, Phila. 5, Pa.
 Synvar Corp., 415 E. Front St., Wilmington, Del.

Vinyl Compounds

American Resinous Chemical Co., 103 Foster St., Peabody, Mass.
 Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.
 Bamberger Corp., A., 44 Hewes St., Brooklyn 11, N. Y.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 Dow Chemical Co., Midland, Mich.
 du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Goodrich Chemical Co., B. F., Cleveland 15, Ohio
 Hamilton Kent Mfg. Co., Kent, Ohio
 Industrial Synthetics Corp., 225 North Ave., Garwood, N. J.
 Monsanto Chemical Co., Plastics Div., Springfield 2, Mass.
 Oppenheimer Inc., Alan D., 582-586 Exchange St., Buffalo, N. Y.
 Plastic Fabricators Co., 440 Sansome St., San Francisco 11, Calif.
 U. S. Stoneware Co., The, Akron 9, Ohio

PLATES—Instruction

Acromark Co., 9-13 Morrell St., Elizabeth 4, N. J.
 Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 Colonial Brass Co., 100 Vine St., Middleboro, Mass.
 Croname, Inc., 3701 Ravenswood Ave., Chicago, Ill.
 Electrical Insulation Co., Inc., 12 Vestry St., New York 13, N. Y.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 Etched Products Corp., 39-01 Queens Blvd., Long Island City, N. Y.
 Hopp Press Inc., 460 W. 34th St., New York, N. Y.
 Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.
 Lamicooid Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.
 Mica Insulator Co., Schenectady, N. Y.
 Plastic Fabricators Co., 440 Sansome Street, San Francisco 11, Calif.
 Premier Metal Etching Co., 21-03 44th Ave., Long Island City, N. Y.
 Waterbury Companies, Inc., Waterbury 90, Conn.
 Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Phila. 31, Pa.

PLATES—Name

Acromark Co., 9-13 Morrell St., Elizabeth 4, N. J.
 American Emblem Co., Inc., P. O. Box 116R, Utica, N. Y.
 Anderson & Sons, Inc., Westfield, Mass.
 Art Roll Leaf Stamping Co., 3610 Palisade Ave., Union City, N. J.
 Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
BUD RADIO INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.

Colonial Brass Co., 100 Vine St., Middleboro, Mass.
 Control Corp., 718 Central Ave., Minneapolis 14, Minn.
 Croname, Inc., 3701 Ravenswood Ave., Chicago, Ill.
 Electrical Insulation Co., Inc., 12 Vestry St., New York 13, N. Y.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109.
 Etched Products Corp., 39-01 Queens Blvd., Long Island City, N. Y.
 Formica Insulation Co., 4662 Spring Grove Ave., Cincinnati 32, Ohio
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 Gordon Specialties Co., 542 S. Dearborn St., Chicago 5, Ill.
 Grammes & Sons Inc., L. F., 389 Union St., Allentown 2, Pa.
 Hopp Press Inc., 460 W. 34th St., New York, N. Y.
 Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 LaMagna Mfg. Co., Inc., East Rutherford, N. J.
 Lamicooid Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.
 Mica Insulator Co., Schenectady 1, N. Y.
 New England Etching & Plating Co., 25 Spring St., Holyoke, Mass.
 Panelyte Div., St. Regis Paper Co., 230 Park Ave., New York, N. Y.
 Parisian Novelty Co., 3510 S. Western Ave., Chicago 9, Ill.
 Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
 Plastic Fabricators Co., 440 Sansome Street, San Francisco 11, Calif.
 Plasticraft Products Co., 20 Hudson St., New York 13, N. Y.
 Ports Mfg. Co., 3265 E. Belmont Ave., Fresno 3, Calif.
 Premier Metal Etching Co., 21-03 44th Ave., Long Island City, N. Y.
 Printloid Inc., 95 Mercer St., New York, N. Y.
 Reister Mfg. Co., Hagerstown, Md.
 Sillocks-Miller Co., 10 Parker Ave., W., So. Orange, N. J.
 United Radio Mfg. Co., 191 Greenwich St., New York, N. Y.
 Waterbury Companies, Inc., Waterbury 90, Conn.
 Willson Plastics Div., Willson Magazine Camera Co., 6022 Media St., Phila. 31, Pa.

PLATING—Metal on Plastic

Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 Crystal Research Labs, Inc., 29 Allyn St., Hartford, Conn.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
HUNT CORP., THE, 455 Lincoln St., Carlisle, Pa. SEE ADV. PG. 56.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
 National Research Corp., 70 Memorial Drive, Cambridge 42, Mass.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 Waterbury Companies, Inc., Waterbury 90, Conn.

PLUGS—Terminal

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Aircraft-Marine Products, Inc., 1523 N. Fourth St., Harrisburg, Pa.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Automatic Metal Products Co., 315 Berry St., Brooklyn 1, N. Y.
 Bead Chain Mfg. Co., 110 Mountain Grove St., Bridgeport 5, Conn.
 Buchanan Electrical Products Corp., 1290 Central Ave., Hillside, N. J.

Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
 Cannon Electric Development Co., 3209 Humboldt St., Los Angeles 31, Calif.
 Carter Radio Div., Precision Parts Co., 213 Institute Pl., Chicago 10, Ill.
 Eastern Specialty Co., Phila. 40, Pa.
 Eby, Inc., Hugh H., 4700 Stenton Ave., Philadelphia 44, Pa.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Hermaseal Co., Inc., Riverside Dr., Elkhart, Ind.
HERMETIC SEAL PRODUCTS CO., 29-37 So. 6th St., Newark, N. J. SEE ADV. PG. 223.
 Industrial Products Co., Danbury, Conn.
 Instrument Parts Corp., P. O. 150, Ossining, N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Johnson Co., E. F., Waseca, Minn.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
NATIONAL CO. INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 National Electrical Machine Shops, Inc., 919 Jesup-Blair Dr., Silver Spring, Md.
 Pacific Electricord Company, 9304 Santa Monica Blvd., Beverly Hills, Calif.
 Pyle-National Co., 1334 N. Kostner Ave., Chicago 51, Ill.
 Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
STAR EXPANSION PRODUCTS CO., 147-149 Cedar St., New York 6, N. Y. SEE ADV. PG. 96.
 States Co., 19 New Park Ave., Hartford 6, Conn.

PLUGS AND JACKS

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
AUDIO DEVELOPMENT SALES, 2833 13th Ave., Minneapolis 7, Minn. SEE ADV. PG. 94.
 Audio Equipment Sales, 153 W. 33rd St., New York 1, N. Y.
 Automatic Metal Products Co., 315 Berry St., Brooklyn 1, N. Y.
 Bead Chain Mfg. Co., 110 Mountain Grove St., Bridgeport 5, Conn.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Breeze Corpn., Inc., 41 S. Sixth St., Newark 7, N. J.
BUD RADIO INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
 Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
 Cannon Electric Development Co., 3209 Humboldt St., Los Angeles 31, Calif.
 Carter Radio Div., Precision Parts Co., 213 Institute Place, Chicago 10, Illinois
CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Cords Ltd., 780 Frelinghuysen Ave., Newark 5, N. J.
 Eby, Inc., Hugh H., 4700 Stenton Ave., Phila. 44, Pa.
 Electro Motive Mfg. Co., South Park & John St., Willimantic, Conn.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.

Hubbell Inc., Harvey, Bridgeport 2, Conn.
 Industrial Products Co., Danbury, Conn.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Johnson Co., E. F., Waseca, Minn.
JONES, HOWARD B., Div., Cinch Mfg. Corp., 2460 W. George St., Chicago 18, Ill. SEE ADV. PG. 190.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
 Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Molded Insulation Co., Aircraft Products Div., 335 E. Price St., Phila., Pa.
 Morse Co., Frank W., 1300 Soldiers Field Rd., Boston 35, Mass.
 Murdock Mfg. Co., Wm. J., Chelsea, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 National Electrical Machine Shops, Inc., 919 Jesup-Blair Dr., Silver Spring, Md.
 Pacific Electricord Company, 9304 Santa Monica Blvd., Beverly Hills, Calif.
 Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
RUSSELL & STOLL CO., INC., 125 Barclay St., New York 7, N. Y. SEE ADV. PG. 225.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 States Co., 19 New Park Ave., Hartford 6, Conn.
SWITCHCRAFT, INC., 1328-30 N. Halsted St., Chicago 22, Ill. SEE ADV. PG. 231.
 Telephonics Corp., 350 W. 31st St., New York, N. Y.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Winchester Electronics Co., 6 E. 46th St., New York 17, N. Y.

POINTERS—Dial

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Aermotive Equipment Corp., 1632-8 Central St., Kansas City 10, Mo.
 Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 Dimco-Gray Co., 207 E. Sixth St., Dayton, Ohio
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109.
 Felsenthal & Sons, Inc., G., 4100 W. Grand Ave., Chicago 51, Ill.
 Gemloid Corp., 79-10 Albion Ave., Elmhurst, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Grammes & Sons, Inc., L. F., 389 Union St., Allentown 2, Pa.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Kurz-Kasch, Inc., 1421 S. Broadway, Dayton 1, Ohio
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.

Parisian Novelty Co., 3510 South Western Ave., Chicago 9, Ill.
 Precision Tube Co., Inc., 3828 Terrace St., Philadelphia 28, Pa.
 Radiocrafters, 1156 Commonwealth Ave., Boston 34, Mass.
 Searle Aero Industries, Inc., Orange, Calif.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Ucinite Co., Div. United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
 Uniform Tubes, Shurs Lane & Laruiston Sts., Roxborough, Phila., Pa.
 United Carr Fastener Corp., Cambridge 42, Mass.
 Vallorbs Jewel Co., Lancaster, Pa.
 Volkert Metal Stampings, Inc., John, 141 Spencer St., Brooklyn 5, N. Y.

POINTS—Contact

Baker Co., Inc., 113 Astor St., Newark 5, N. J.
BRAININ CO., C. S., 233 Spring St., New York 13, N. Y. SEE ADV. PG. 188.
 Callite Tungsten Corp., 540 39th St., Union City, N. J.
 Cleveland Tungsten, Inc., 10200 Meech Ave., Cleveland, Ohio
FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., North Chicago, Ill. SEE ADV. PG. 29.
 Gibson Electric Co., 8350 Frankstown Avenue, Pittsburgh 21, Pa.
GRAPHITE METALIZING CORP., 1041 Nepperhan Ave., Yonkers 3, N. Y. SEE ADV. PG. 177.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 Speer Carbon Co., Lincoln Ave., St. Marys, Pa.
 United Carr Fastener Corp., Cambridge 42, Mass.
 Wilson Co., H. A., The, 105 Chestnut St., Newark 5, N. J.

POSTS—Binding

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
 Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon
CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
 Eastern Specialty Co., Phila. 40, Pa.
 Eby, Inc., Hugh H., 4700 Stenton Ave., Phila. 44, Pa.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
 Insulation Mfg. Co., 11 New York Ave., Brooklyn, N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Precision Fabricators Inc., Roosevelt Rd., E. Rochester, N. Y.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 States Co., 19 New Park Ave., Hartford 6, Conn.
SUPERIOR ELECTRIC CO., THE, 83 Laurel St., Bristol, Conn. SEE ADV. PGS. 142, 143.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
WESTINGHOUSE ELECTRIC CORP., P. O. Box. 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

POTENTIOMETERS

Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wisc.
 Atlas Resistor Co., 423 Broome St., New York, N. Y.
 Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon
 Carter Radio Div., Precision Parts Co., 213 Institute Place, Chicago 10, Ill.
CENTRALAB, Div. Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
 Cinema Engineering Co., 1510 W. Verduga Ave., Burbank, Calif.
 Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.
 Daven Co., 191 Central Ave., Newark 4, N. J.
 DeJur-Amsco Corp., Northern Blvd. at 45th St., L. I. City 1, N. Y.
 Fairchild Camera & Instrument Corp., 88-06 Van Wyck Blvd., Jamaica 1, N. Y.
 Foxboro Co., The, Foxboro, Mass.
 Gamewell Co., The, Newton Upper Falls 64, Mass.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Geophysical Instrument Co., 1820 N. Nash St., Arlington, Va.
 Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.
GIBBS DIV., George W. Borg Corp., Delevan, Wisc. SEE ADV. PG. 95.
HELIPOT CORP., 1011 Mission St., South Pasadena, Calif. SEE ADV. PG. 25.
INTERNATIONAL RESISTANCE CO., 401 N. Broad St., Philadelphia 8, Pa. SEE ADV. PGS. 20, 21.
 Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
 Muter Co., 1255 S. Michigan Ave., Chicago, Ill.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
OHMITE MANUFACTURING CO., 4835 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.
 Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
REX RHEOSTAT CO., 3 Foxhurst Rd., Baldwin, N. Y. SEE ADV. PG. 186.
 Rubicon Co., 3751 Ridge Ave., Phila., Pa.
 Schaefer Bros. Co., 1059 W. 11th St., Chicago, Ill.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Stackpole Carbon Co., St. Marys, Pa.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Tech Laboratories, Inc., Bergen & Edsall Bldvs., Palisades Park, N. J.
 Technology Instrument Corp., 1058 Main St., Waltham, Mass.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
 Trimm, Inc., 400 W. Lake St., Libertyville, Ill.
WARD LEONARD ELECTRIC CO., 31 South St., Mount Vernon, N. Y. SEE ADV. PG. 151.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
 Wheelco Instruments Co., 847 W. Harrison St., Chicago 7, Ill.
 Wirt Co., 5221 Greene St., Phila., Pa.

POTENTIOMETERS—Linear & Non Linear Precision Wire Wound

Fairchild Camera & Instrument Corp., 88-06 Van Wyck Blvd., Jamaica 1, N. Y.
 Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.
HELIPOT CORP., 1011 Mission St., S. Pasadena, Calif. SEE ADV. PG. 25.
 Technology Instrument Corp., 1058 Main St., Waltham 54, Mass.

POTENTIOMETERS—Portable Instrument

Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Carter Radio Div. Precision Parts Co., 213 Institute Place, Chicago 10, Ill.
CENTRALAB, Div. Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Fisher Scientific Co., 717 Forbes St., Pittsburgh 19, Pa.
 Foxboro Co., The, Foxboro, Mass.
 Geophysical Instrument Co., 1820 N. Nash St., Arlington, Va.
 Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
 Rubicon Co., 3751 Ridge Ave., Philadelphia, Pa.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
 Wheelco Instruments Corp., 847 W. Harrison St., Chicago 7, Ill.
 Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

POTS—Soldering

Acme Electric Heating Co., 1217 Washington St., Boston, Mass.
ELECTRIC SOLDERING IRON CO., W. Elm St., Deep River, Conn. SEE ADV. PG. 30.
 Lectrohm, Inc., 5939 Archer Ave., Chicago 38, Ill.
 Sta-Warm Electric Co., Ravenna, Ohio
VULCAN ELECTRIC CO., 88 Holten St., Danvers, Mass. SEE ADV. PG. 88.
 Waage Electric Inc., 54 Park Place, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

POTS AND TANKS—Heating

Acme Electric Heating Co., 1217 Washington St., Boston, Mass.
 Aeroil Products Co., Inc., Wesley St., South Hackensack, N. J.
 Lukens Steel Co. and Divisions, By-Products Steel Co. & Lukenweld, 447 Lukens Bldg., Coatesville, Pa.
 Sta-Warm Electric Co., Ravenna, Ohio
VULCAN ELECTRIC CO., 88 Holten St., Danvers, Mass. SEE ADV. PG. 88.
 Waage Electric Inc., 54 Park Pl., New York 7, N. Y.

POWDERS—Magnetic

Plastic Metals Div., The National Radiator Co., 169 Bridge St., Johnstown, Pa.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W.C.2, England.
WILLIAMS & CO., C. K., 2001 Lynch Ave., East St. Louis, Mo. SEE ADV. PG. 32.

POWDERS—Polishing

Linick Chemical Co., 29 E. Madison Street, Chicago 2, Ill.
WILLIAMS & CO., C. K., 2001 Lynch Ave., East St. Louis, Mo. SEE ADV. PG. 32.

POWER PACKS

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Airpax Products Co., 1024 Greenmount Ave., Baltimore 2, Maryland
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
AMERICAN TELEVISION & RADIO CO., 300 E. Fourth St., St. Paul 1, Minn. SEE ADV. PG. 192.
 Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.

Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Bright Star Battery Co., 200 Crooks Ave., Clifton, N. J.
CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
 Collins Audio Products Co., P. O. Box 368, Westfield, N. J.
CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., S. Plainfield, N. J. SEE ADV. PG. 87.
 Electricoil Transformer Co., 421 Canal St., New York 13, N. Y.
 Electro Products Labs., Inc., 549 W. Randolph St., Chicago 6, Ill.
 Electronic Batteries Inc., Bush Terminal Bldg., No. 4, 28-34 35th St., Brooklyn 32, N. Y.
 Electronic Controls Co. of New York, 3124 Avenue I, Brooklyn 10, N. Y.
 Electronic Labs. Inc., 24 W. 24th St., Indianapolis 4, Indiana
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
ESPY ELECTRONIC CORP., DAWKINS, 11747 W. Pico Blvd., Los Angeles 34, Calif. SEE ADV. PG. 89.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 General Transformer Corp., 4321 N. Knox Ave., Chicago 41, Ill.
 Heath Co., Benton Harbor, Mich.
 Inductive Equipment Co., Gettysburg, Pa.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 Mellaphone Corp., Rochester 2, N. Y.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
MODEL RECTIFIER CORP., 127 Atlantic Ave., Oceanside, L. I., N. Y. SEE ADV. PG. 186.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Network Mfg. Corp., Bayonne, N. J.
 Press Wireless Mfg. Co., Inc., Cantigue Rd., Hicksville, L. I., N. Y.
 Radiart Corp., The, 3571 W. 62nd St., Cleveland 2, Ohio
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Smuckler & Co., Inc., A. F. 202 Tillary St., Brooklyn 1, N. Y.
STANDARD TRANSFORMER CORP., Elston, Kedzie & Addison, Chicago 18, Ill. SEE ADV. PG. 207.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 Varo Mfg. Co., Inc., Box 638, Garland, Texas
 Vihrapower Co., James, 3224 W. Armitage Ave., Chicago, Ill.

POWER SUPPLIES

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa.
 Airpax Products Co., 1024 Green Mount Ave., Baltimore 2, Md.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
 American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
AMERICAN TELEVISION & RADIO CO., 300 E. Fourth St., St. Paul, Minn. SEE ADV. PG. 192.
 Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
 Audio Equipment Sales, 153 W. 33rd St., New York 1, N. Y.

Bardwell & McAllister Inc., P. O. Box 1310, Hollywood, Calif.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
BETA ELECTRONICS CO., 1762 3rd Ave., New York 29, N. Y. SEE ADV. PG. 126.
 Booth Co., Arthur E., 307 E. 3rd St., Los Angeles, Calif.
 C. B. Mfg. Co., 480 Broome St., New York 13, N. Y.
CENTURY GEOPHYSICAL CORP., Tulsa 3, Oklahoma. SEE ADV. PG. 164.
CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Collins Audio Products Co., P. O. Box 368, Westfield, N. J.
 Collins Radio Co., Cedar Rapids, Iowa
 Communication Measurements Lab., 120 Greenwich St., New York, N. Y.
CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., S. Plainfield, N. J. SEE ADV. PG. 87.
 Development Engineering Co., Inc., The, 1818 Ashland St., Houston 8, Texas
 Electricoil Transformer Co., 421 Canal St., New York 13, N. Y.
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
 Electro Products Labs., Inc., 549 W. Randolph St., Chicago 6, Ill.
 Electronic Controls Co. of New York, 3124 Avenue I, Brooklyn 10, N. Y.
 Electronic Labs., Inc., 24 W. 24th St., Indianapolis 4, Ind.
 Essex Electronics, Berkeley Heights, N. J.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
ESPY ELECTRONIC CORP., DAWKINS, 11747 W. Pico Blvd., Los Angeles 34, Calif. SEE ADV. PG. 89.
 Fairchild Recording Equipment Corp., 154th St. & 7th Ave., Whitestone, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
 Furst Electronics, 10A S. Jefferson St., Chicago 6, Ill.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Harvey Radio Labs., Inc., 447 Concord Ave., Cambridge, Mass.
 Hastings Instrument Co., Box 1275, Hampton, Va.
 Heath Co., Benton Harbor, Mich.
 Hercules Electric & Mfg. Co., Inc., 2500 Atlantic Ave., Brooklyn 7, N. Y.
 Inductive Equipment Co., Gettysburg, Pa.
 Industrial Instruments Inc., 17 Pollack Ave., Jersey City 5, N. J.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 Kepeo Labs, Inc., 149-14 41st Ave., Flushing, N. Y.
LAMBDA ELECTRONICS CORP., 103-02 Northern Blvd., Corona, N. Y. SEE ADV. PG. 177.
 Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Mellaphone Corp., Rochester 2, N. Y.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Minnesota Electronics Corp., The, 97 E. Fifth St., St. Paul 1, Minn.
MODEL RECTIFIER CORP., 127 Atlantic Ave., Oceanside, L. I., N. Y. SEE ADV. PG. 186.
 Monroe Coil Co., 1606 N. California St., Chicago, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Network Mfg. Corp., Bayonne, N. J.
 Northeastern Engineering, Inc., Manchester, N. H.

Power Equipment Co., 55 Antoinette St., Detroit 2, Mich.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 Radiart Corp., The, 3571 W. 62nd St., Cleveland 2, Ohio
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 Schuttig & Co., Inc., 9th & Kearney Sts., N.E., Washington 17, D. C.
 Scott Inc., Herman Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
 Servomechanisms, Inc., 142 Mineola Blvd., Mineola, N. Y.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
SORENSEN & CO., INC., 375 Fairfield Ave., Stamford, Conn. SEE ADV. PG. 211.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Stephens Mfg. Corp., 8538 Warner Drive, Culver City, Calif.
 Technical Materiel Corp., 453 W. 47th St., New York 19, N. Y.
 Telequip Radio Co., 1901 S. Washtenaw, Chicago, Ill.
 Teletronics Laboratory, Inc., 352 Maple Ave., Westbury, L. I., N. Y.
 Thermionic Engineering Corp., Pompton Plains, N. J.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.
 Weltronic Co., 19500 West 8 Mile Rd., Detroit 19, Mich.

POWER SUPPLIES—Electronically Regulated

Acme Electronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Airlentr, P. O. Box 151, Caldwell, N. J.
 Alden Products Co., 117 N. Main St., Brocton 64, Mass.
 American British Technology Inc., 57 Park Ave., New York 16, N. Y.
 American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
BETA ELECTRONICS CO., 1762 3rd Ave., New York 29, N. Y. SEE ADV. PG. 126.
BROWNING LABORATORIES, INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
 Communication Measurements Lab. Inc., 120 Greenwich St., New York, N. Y.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 DeMornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.
 Douglas Radio Labs., 40 Wayland St., Boston 25, Mass.
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
 Electronics Labs., Inc., 24 W. 24th St., Indianapolis 4, Ind.

EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
ESPY ELECTRONIC CORP., DAWKINS, 11747 W. Pico Blvd., Los Angeles 34, Calif. SEE ADV. PG. 89.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Furst Electronics, 10A S. Jefferson St., Chicago 6, Ill.
 Gates Radio Co., Quincy, Ill.
 Gavoco Labs., Inc., 2 East End Ave., New York 21, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Harvey Radio Labs., Inc., 447 Concord Ave., Cambridge, Mass.
 Heath Co., Benton Harbor, Mich.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
 Howard Co., The, 934 Drexel Rd., Drexel Hill, Pa.
 Inductive Equipment Co., Gettysburg, Pa.
INDUSTRIAL ELECTRONICS, INC., 2457 Woodward Ave., Detroit 1, Mich. SEE ADV. PG. 226.
 Industrial Electronics & Transformer Co., 1809 E. Slauson Ave., Los Angeles 11, Calif.
 Instrument Instruments Inc., 17 Pollack Ave., Jersey City 5, N. J.
 Kepco Labs., Inc., 149-14 41st Ave., Flushing, N. Y.
LAMBDA ELECTRONICS CORP., 103-02 Northern Blvd., Corona, N. Y. SEE ADV. PG. 177.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
MB MFG. CO., 1060 State St., New Haven 11, Conn. SEE ADV. PG. 221.
MACDONALD & CO., INC., W. S., 33 University Rd., Cambridge 38, Mass. SEE ADV. PG. 118.
 MacLeod & Hanopol, 10 Joiner St., Charlestown 29, Mass.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Mellaphone Corp., Rochester 2, N. Y.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Moulic Specialties Co., 1005-1007 W. Washington St., Bloomington, Ill.
 National Electrical Machine Shops, Inc., 919 Jesup-Blair Dr., Silver Spring, Md.
 Network Mfg. Corp., Bayonne, N. J.
 North American Philips Co., 100 E. 42nd St., New York 17, N. Y.
 Northeastern Engineering, Inc., Manchester, N. H.
 Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.
 Photon Research Products, 1062 N. Allen Ave., Pasadena 7, Calif.
POLARAD ELECTRONICS CO., 9 Ferry St., New York 7, N. Y. SEE ADV. PG. 228.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Power Equipment Co., 55 Antoinette St., Detroit 2, Mich.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 Radar Engineers, 110 University St., Seattle 1, Wash.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Richardson Allen Corp., 15 W. 20th St., New York 11, N. Y.
 Ripley Co., Inc., P.O. Box 31, Middletown, Conn.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 Servomechanisms, Inc., 142 Mineola Blvd., Mineola, N. Y.
 Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.
 Sierra Electronic Corp., Belmont & San Carlos, Calif.

Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
SORENSEN & CO., 375 Fairfield Ave., Stamford, Conn. SEE ADV. PG. 211.
SPELLMAN TELEVISION INC., 2898 Jerome Ave., New York, N. Y. SEE ADV. PG. 58.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Teletronics Laboratory, Inc., 352 Maple Ave., Westbury, L. I., N. Y.
 Thermionic Engineering Corp., Pompton Plains, N. J.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.
 Weltronic Co., 19500 West 8 Mile Rd., Detroit 19, Mich.
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
 Weston Laboratories, Weston 93, Mass.
 Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.

POWER SUPPLIES—High Voltage

Acro Products Co., 5330 Baltimore Ave., Phila., Pa.
 Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa.
 American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Berkeley Scientific Co., 6th & Nevin, Richmond, Calif.
BETA ELECTRONICS CO., 1762 3rd Ave., New York 29, N. Y. SEE ADV. PG. 126.
CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
 Collins Audio Products Co., P.O. Box 368, Westfield, N. J.
CONDENSER PRODUCTS CO., 1375 N. Branch St., Chicago 22, Ill. SEE ADV. PG. 214.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Dumont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J.
 Electricoil Transformer Co., 421 Canal St., New York 13, N. Y.
 Electronic Controls Co. of New York, 3124 Avenue I, Brooklyn 10, N. Y.
ESPY ELECTRONIC CORP., DAWKINS, 11747 W. Pico Blvd., Los Angeles 34, Calif. SEE ADV. PG. 89.
 Essex Electronics, Berkeley Heights, N. J.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Furst Electronics, 10A S. Jefferson St., Chicago 6, Ill.
 Gates Radio Co., Quincy, Ill.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Harvey Radio Labs., Inc., 447 Concord Ave., Cambridge, Mass.
 Industrial Electronics & Transformer Co., 1809 E. Slauson Ave., Los Angeles 11, Calif.
 International Television Corp., 238 Willam St., New York 7, N. Y.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 MacLeod & Hanopol, 10 Joiner St., Charlestown 29, Mass.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
MODEL RECTIFIER CORP., 127 Atlantic Ave., Oceanside, L. I., N. Y. SEE ADV. PG. 186.
 North American Philips Co., 100 E. 42nd St., New York 17, N. Y.

Northeastern Engineering, Inc., Manchester, N. H.
 Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.
POLARAD ELECTRONICS CO., 9 Ferry St., New York 7, N. Y. SEE ADV. PG. 228.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Schuttig & Co., Inc., 9th & Kearney Sts., N. E., Washington 17, D. C.
 Sierra Electronic Corp., Belmont & San Carlos, Calif.
 Snaider Television Corp., 540 Bushwick Ave., Brooklyn 6, N. Y.
SPELLMAN TELEVISION, INC., 2898 Jerome Ave., New York, N. Y. SEE ADV. PG. 58.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Teletronics Laboratory, Inc., 352 Maple Ave., Westbury, L. I., N. Y.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.

POWER SUPPLIES—Voltage Regulated

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Airpax Products Co., 1024 Greenmount Ave., Baltimore 2, Md.
 Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
 American Electronering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
BENDIX AVIATION CORP., Red Bank Div., Red Bank, N. J. SEE ADV. PGS. 22, 23.
 Booth Co., Arthur E., 307 E. 3rd St., Los Angeles, Calif.
CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
 Collins Audio Products Co., P. O. Box 368, Westfield, N. J.
 Communication Measurements Lab. Inc., 120 Greenwich St., New York, N. Y.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Douglas Radio Labs., 40 Wayland St., Boston 25, Mass.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Electricoil Transformer Co., 421 Canal St., New York 13, N. Y.
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
 Electro Products Labs., Inc., 549 W. Randolph St., Chicago 6, Ill.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Electronic Labs., Inc., 24 W. 24th St., Indianapolis 4, Ind.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
EPSY ELECTRONIC CORP., DAWKINS, 11747 W. Pico Blvd., Los Angeles 34, Calif. SEE ADV. PG. 89.
 Furst Electronics, 10A S. Jefferson St., Chicago 6, Ill.
 Gates Radio Co., Quincy, Ill.

Gaveco Labs., Inc., 2 East End Ave., New York 21, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Heath Co., Benton Harbor, Mich.
 Industrial Electronics, Inc., 21 Henry St., Detroit 1, Mich.
INDUSTRIAL ELECTRONICS, INC., 2457 Woodward Ave., Detroit 1, Mich. SEE ADV. PG. 226.
 Industrial Instruments, Inc., 17 Pollack Ave., Jersey City 5, N. J.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
MACDONALD & CO., INC., W. S., 33 University Rd., Cambridge 38, Mass. SEE ADV. PG. 118.
 MacLeod & Hanopol, 10 Joiner St., Charlestown 29, Mass.
 Mellaphone Corp., Rochester 2, N. Y.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 National Electrical Machine Shops, Inc., 919 Jessup-Blair Dr., Silver Spring, Md.
 Network Mfg. Corp., Bayonne, N. J.
 Northeastern Engineering, Inc., Manchester, N. H.
 Power Equipment Co., 55 Antoinette St., Detroit 2, Mich.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Radio Television Institute, Inc., 480 Lexington Ave., New York 17, N. Y.
 Richardson Allen Corp., 15 W. 20th St., New York 11, N. Y.
 Servomechanisms, Inc., 142 Mineola Blvd., Mineola, N. Y.
 Sierra Electronic Corp., Belmont & San Carlos, Calif.
 Smucker & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
SORENSEN & CO., INC., 375 Fairfield Ave., Stamford, Conn. SEE ADV. PG. 211.
SPELLMAN TELEVISION INC., 2898 Jerome Ave., New York, N. Y. SEE ADV. PG. 58.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Teletronics Laboratory, Inc., 352 Maple Ave., Westbury, L. I., N. Y.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.
 Weltronic Co., 19500 West 8 Mile Rd., Detroit 19, Mich.
 Weston Laboratories, Weston 93, Mass.
 Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.

PRE-AMPLIFIERS for COMMUNICATION RECEIVERS

American Communications Corp., 306 Broadway, New York 7, N. Y.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Crystal Devices Co., Inc., 50 Mill Rd., Freeport, N. Y.
 Eckstein Radio & Television Co., LeRoy, Minn.
 Erco Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.

Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Kinsey Radio Mfg. Co., 5807 Oak St., Omaha 7, Nebraska
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Mobile Communications Co., 110 W. Ocean Blvd., Long Beach 2, Calif.
NORTHERN RADIO CO., INC., 143-145 W. 22nd St., New York 11, N. Y. SEE ADV. PGS. 153-155.
 Orthon Corp., The, Electronic Div., 196 Albion Ave., Paterson 2, N. J.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Mfg. Engineers Inc., 300-306 1st Ave., Peoria 6, Ill.
 Weston Laboratories, Weston 93, Mass.

PRE-SELECTORS

American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Babcock Radio Engineering Inc., 6164 Sepulveda Blvd., Van Nuys, Calif.
 Maryland Electronic Mfg. Corp., 5009 Calvert Rd., College Park, Md.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Radio Mfg. Engineers Inc., 300-306 1st Ave., Peoria 6, Ill.
 S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.

PRESSES—Hydraulic Molding

Hydraulic Press Mfg. Co., Mt. Gilead, Ohio

PRINTED OR STAMPED CIRCUITS

(See Circuits)

PROBES

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Douglas Radio Labs, 40 Wayland St., Boston 25, Mass.
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
ELECTRONIC DESIGNS, INC., Irvington, N. Y. SEE ADV. PG. 230.
ELECTRONIC INSTRUMENT CO., INC., 276 Newport St., Brooklyn 12, N. Y. SEE ADV. PG. 233.
 Heath Co., Benton Harbor, Mich.
 Industrial Products Co., Danbury, Conn.
INSULINE CORP. OF AMERICA, 30-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
 Radiation Counter Labs., Inc., 1844 W. 21st St., Chicago 8, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Reiner Electronics Co., 152 W. 25th St., New York, N. Y.

PRODUCTION TUBE TESTING EQUIPMENT

BUCK ENGINEERING CO., INC., 37-41 Marcy St., Freehold, N. J. SEE ADV. PG. 224.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
KAHLE ENGINEERING CO., 1307 7th St., North Bergen, N. J. SEE ADV. PG. 152.
 Lyman Electronic Corp., 12 Cass St., Springfield, Mass.
 MacLeod & Hanopol, 10 Joiner St., Charlestown 29, Mass.

Precision Resistor Co., 334 Badger Ave., Newark 8, N. J.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Reiner Electronics Co., 152 W. 25th St., New York, N. Y.
 Sierra Electronic Corp., Belmont & San Carlos, Calif.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

PROTECTIVE SEALERS

See Insulating Compounds

PSYCHO GALVANOMETERS

Electro-Medical Lab. Inc., Holliston, Mass.
 Moulic Specialties Co., 1005-1007 W. Washington St., Bloomington, Ill.

PUBLIC ADDRESS SYSTEMS

See Sound Systems, Complete

PULLERS—Radio Tube

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Kellems Co., Saugatuck, Conn.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.

PULLEYS—Dial

Aermotive Equipment Corp., 1632-8 Central St., Kansas City 10, Mo.
 Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Lamicoid Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.
 Searle Aero Industries, Inc., Orange, Calif.
 Ucinite Co., The, Div., United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
 United Carr Fastener Corp., Cambridge 42, Mass.

PUNCHES—Metal

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Greene Mfg. Corp., G. G., Warren, Pa.
 Greenlee Tool Co., 2136 12th St., Rockford, Ill.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Hovis Screwlock Co., 8100 E. Nine Mile Rd., Van Dyke, Mich.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Oneil-Irwin Mfg. Co., 316 8th Ave., Lake City, Minn.
 Parker-Kalon Corp., 200 Varick St., New York 14, N. Y.
 Radiad Service, 720 W. Schubert Ave., Chicago 14, Ill.
 Searle Aero Industries, Inc., Orange, Calif.
 Wiedemann Machine Co., 4272 Wissahickon Ave., Philadelphia 32, Pa.

PUSHBUTTONS

Catalin Corp. of America, 1 Park Ave., New York 16, N. Y.
 Chicago Die Mold Mfg. Co., 4001 Wrightwood Ave., Chicago 39, Ill.
 Clark Controller Co., 1146 E. 152nd St., Cleveland 10, Ohio
 Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.

Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 Federal Electric Products Co., 50 Paris St., Newark, N. J.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151.
 Kilburn Glass Co., Inc., J. R., 22 S. Worcester St., Chartley, Mass.
 Kurz-Kasch, Inc., 1421 S. Broadway, Dayton 1, Ohio
 Molded Insulation Co., Aircraft Control Div., 335 Price St., Phila. Pa.
 Multi-Products Tool Co., 123 Sussex Ave., Newark 4, N. J.
 Murdock Mfg. Co., Wm. J., Chelsea, Mass.
 R. B. M. Div., Essex Wire Corp., Logansport, Ind.
 Warrick Co., Chas. F., 16251 Hamilton Ave., Detroit 3, Mich.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

PYROMETERS AND POTENTIOMETER PYROMETERS

Assembly Products, Inc., Chagrin Falls 6, Ohio
 Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Elematic Equipment Corp., 6046 S. Wentworth Ave., Chicago 21, Ill.
 Foxboro Co., The, Foxboro, Mass.
 Gordon Co., Claud S., 3000 S. Wallace St., Chicago 16, Ill.
 Illinois Testing Labs. Inc., 420 N. La Salle St., Chicago 10, Ill.
J B T INSTRUMENTS, INC., 441 Chapel St., New Haven 8, Conn. SEE ADV. PG. 229.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
 Nurnberg Thermometer Co., Inc., 4 Corey St., Boston 32, Mass.
 Richards Co., Inc., Arklay S., 78 Winchester St., Newton Highlands 61, Mass.
 Rubicon Co., 3751 Ridge Ave., Phila., Pa.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
 Wheelco Instruments Co., 847 W. Harrison St., Chicago 7, Ill.
 Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

QUARTZ—Raw

American Gem & Pearl Co., 6 W. 48th St., New York 19, N. Y.
 Breon Laboratories, 1520 Evergreen Rd., Williamsport, Pa.
 Dallons Labs., 5066 Santa Monica Blvd., Los Angeles, Calif.
 Diamond Drill Carbon Co., 53-63 Park Row, New York 7, N. Y.
 Knights Co., James, 131 S. Wells St., Sandwich, Ill.
 Monitor Products Co., 915 Fremont Ave., So. Pasadena, Calif.
 Murray American Corp., 95 Summit Ave., Summit, N. J.

QUARTZ—Unfinished Crystals

BLILEY ELECTRIC CO., Union Station Bldg., Erie, Pa. SEE ADV. PG. 91.
 Breon Laboratories, 1520 Evergreen Rd., Williamsport, Pa.

CLARK CRYSTAL CO., 2 Farm Rd., Marlboro, Mass. SEE ADV. PG. 175.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Dine & Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
 Eidson Electronic Co., 1802 N. Third St., Temple, Texas
HUNT CORP., THE, 455 Lincoln St., Carlisle, Pa. SEE ADV. PG. 56.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 Knights Co., James, 131 S. Wells St., Sandwich, Ill.
 Miller, August E., 9226 Hudson Blvd., North Bergen, N. J.
 Monitor Products Co., 915 Fremont Ave., So. Pasadena, Calif.
 Nebel Lab., R. E., 1104 Lincoln Pl., Brooklyn 13, N. Y.
 Premier Crystal Labs., Inc., 79-89 Seventh Ave., New York 11, N. Y.
REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.
 Scientific Radio Products Co., 738 W. Broadway, Council Bluffs, Iowa
 Standard Piezo Co., 127 Cedar St., Carlisle, Pa.
 Valpey Crystals, Highland St., Holliston, Mass.

RACKS—Relay

Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
ART-LLOYD METAL PRODUCTS CORP., 2973 Croysey Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 Bardwell & McAllister, Inc., P. O. Box 1310, Hollywood, Calif.
BUD RADIO INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Collins Radio Co., Cedar Rapids, Iowa
 Communication Equipment & Engrg. Co., 5646 W. Race St., Chicago 44, Ill.
 Dahlstrom Metallic Door Co., Jamestown, N. Y.
 Falstrom Co., 44 Falstrom Court, Passaic, N. J.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Gates Radio Co., Quincy, Ill.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., L. I. City, N. Y. SEE ADV. PG. 80.
 Johnson Co., E. F., Waseca, Minn.
KARP METAL PRODUCTS CO., INC., 215 63rd St., Brooklyn 20, N. Y. SEE ADV. PG. 50.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Measurement Engineering Ltd., Arnprior, Ont., Canada
 Multi-Products Tool Co., 123 Sussex Ave., Newark 4, N. J.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Newcomb Audio Products Co., 6824 Lexington Ave., Hollywood 38, Calif.
 Par-Metal Products Corp., 32-62 49th St., Long Island City 3, N. Y.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Robinson Aviation, Inc., Teterboro, N. J.
 Smucker & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
WALTER CO., S., 1400 Atlantic Ave., Brooklyn 16, N. Y. SEE ADV. PG. 173.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

RADAR NAVIGATIONAL DEVICES

Airborne Instruments Lab., Inc., 160 Old Country Rd., Mineola, L. I., N. Y.
ARMA CORP., 254-36th St., Brooklyn 32, N. Y. SEE ADV. PG. 220.

Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Dalmo Victor Co., San Carlos, Calif.
 De Mornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.
 Eastern Metals Industries, 250 W. 54th St., New York 19, N. Y.
 Electronic Associates, Inc., Long Branch, N. J.
 Electronic Engineering Co., 616 G St., San Diego, Calif.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.
 Hastings Instrument Co., Box 1275, Hampton, Va.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Radiomarine Corp. of America, 75 Varick St., New York 13, N. Y.
 Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.
 Submarine Signal Div., Raytheon Mfg. Co., Waltham, Mass.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Telemark, Inc., 79 Prospect St., Stamford, Conn.
 Television Equipment Corp., 238 William St., New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

**RADAR SYSTEMS AND EQUIPMENT—
Aircraft Landing**

Airborne Instruments Lab., Inc., 160 Old Country Rd., Mineola, N. Y.
 American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 De Mornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. Y. SEE ADV. PGS. 129, 131, 133, 135.
 Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.
 Hastings Instrument Co., Box 1275, Hampton, Va.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 Television Equipment Corp., 238 William St., New York 7, N. Y.

**RADAR SYSTEMS AND EQUIPMENT—
Altimeters**

De Mornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.

**RADAR SYSTEMS AND EQUIPMENT—
Receivers**

Airborne Instruments Lab., Inc., 160 Old Country Rd., Mineola, N. Y.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.

Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Crystal Research Labs., Inc., 29 Allyn St., Hartford, Conn.
 De Mornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.
 Electronic Associates Inc., Long Branch, N. J.
 Eltron, Inc., 407 N. Jackson St., Jackson, Mich.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.
 Hallicrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
 Hammarlund Mfg. Co., 460 W. 34th St., New York 1, N. Y.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
 National-Simplex-Bludworth, Inc., Bludworth Marine Div., 92 Gold St., New York 7, N. Y.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Radiomarine Corp. of America, 75 Varick St., New York 13, N. Y.
 Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
 Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.
SPERRY GYROSCOPE CO., Div., of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Television Products, Inc., 7466 W. Irving Park Rd., Chicago 34, Ill.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.

**RADAR SYSTEMS AND EQUIPMENT—
Trainers**

ARMA CORP., 254-36th St., Brooklyn 32, N. Y. SEE ADV. PG. 220.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
 Microwave Equipment Co., North Caldwell, N. J.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
 Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.
 Smith-Meeker Engineering Co., 125 Barclay St., New York 7, N. Y.
 Television Equipment Corp., 238 William St., New York 7, N. Y.
 Televiso Products, Inc., 7466 W. Irving Park Rd., Chicago 34, Ill.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.

**RADAR SYSTEMS AND EQUIPMENT—
Transmitters**

Airborne Instruments Lab., Inc., 160 Old Country Rd., Mineola, N. Y.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 De Mornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.
 Electronic Associates, Inc., Long Branch, N. J.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.

Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.
 Hallicrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
 Hammarlund Mfg. Co., 460 W. 34th St., New York 1, N. Y.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
 Microwave Equipment Co., North Caldwell, N. J.
 National-Simplex-Bludworth, Inc., Bludworth Marine Div., 92 Gold St., New York 7, N. Y.
 Philco Corp., Tioga & C Sts., Philadelphia 34, Pa.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radiomarine Corp. of America, 75 Varick St., New York 13, N. Y.
 Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
 Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.
 Smith-Meeker Engineering Co., 125 Barclay St., New York 7, N. Y.
SPERRY GYROSCOPE CO., Div., of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Submarine Signal Div., Raytheon Mfg. Co., Waltham, Mass.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Television Equipment Corp., 238 William St., New York 7, N. Y.
 Televiso Products, Inc., 7466 W. Irving Park Rd., Chicago 34, Ill.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

RADIOACTIVE ISOTOPES

See Isotopes

RADIOSONDES—Electrical Measurement Type

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Friez Instrument Div., Bendix Aviation Corp., Baltimore 4, Md.
 Measurement Engineering Ltd., Arnprior, Ont., Canada
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Network Mfg. Corp., Bayonne, N. J.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City 3, N. Y.
 Techno-Scientific Co., 901 Nepperhan Ave., Yonkers 3, N. Y.

RATIOMETERS

Edison, Inc., Thomas A., Instrument Div., W. Orange, N. J.
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
 Sensitive Research Instrument Corp., 9 Elm Ave., Mt. Vernon, N. Y.
WESTON ELECTRICAL INSTRUMENT CORP., 68 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

REACTORS

See Chokes and Coils, Choke

RECEIVERS—Aircraft

Aircraft Radio Corp., Boonton, N. J.
 American Electronering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 Bassett Inc., Rex, 307-11 N.W. 1st Ave., Lauderdale, Fla.
 Belmont Radio Corp., Div. Raytheon Mfg. Co., 5921 W. Dickens Ave., Chicago 39, Ill.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Collins Radio Co., Cedar Rapids, Iowa
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Communications Co. Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S. (Canada)
 Eckstein Radio & Television Co., LeRoy, Minn.
 Electronic Specialty Co., 3456 Glendale Blvd., Los Angeles, Calif.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
 Erco Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.
 Lear, Inc., 110 Ionia Ave., N. W., Grand Rapids 2, Mich.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Development & Research Co., 26 Cornellson Ave., Jersey City, N. J.
RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
 Ripley Co., Inc., P.O. Box 31, Middletown, Conn.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Telemark, Inc., 79 Prospect St., Stamford, Conn.
 Wilcox Electric Co., 1400 Chestnut St., Kansas City, Mo.

RECEIVERS—Automatic Radio Alarm

Brelco Electronics Corp., 55 Vandam St., New York 13, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Northeastern Engineering, Inc., Manchester, N. H.
 Radiomarine Corp. of America, 75 Varick St., New York 13, N. Y.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Symphonic Radio & Electronic Corp., 292-8 Main St., Cambridge 42, Mass.

RECEIVERS—a-m/f-m Communication

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 DeWald Radio Mfg. Corp., 35-15 37th Ave., Long Island City, N. Y.
 Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
 Erco Radio Labs. Inc., E. Stewart Ave., Garden City, N. Y.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hallcrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
 Heath Co., Benton Harbor, Mich.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 Kinsey Radio Mfg. Co., 5807 Oak St., Omaha 7, Nebraska
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 Radiq Mfg. Engineers, Inc., 300-306 First St., Peoria 6, Ill.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Tech-Master Products Co., 443-445 Broadway, New York 13, N. Y.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

RECEIVERS—a-m Fixed Frequency

Air Associates, Inc., Teterboro, N. J.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Bassett, Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Belmont Radio Co., Div., Raytheon Mfg. Co., 5921 W. Dickens Ave., Chicago 39, Ill.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Brelco Electronics Corp., 55 Vandam St., New York 13, N. Y.
 Collins Radio Co., Cedar Rapids, Iowa
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Doolittle Radio, Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.
 Eckstein Radio & Television Co., LeRoy, Minn.
 Elm Laboratories, 18 S. Broadway, Dobbs Ferry, N. Y.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
 Erco Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Garod Radio Corp., 70 Washington St., Brooklyn 1, N. Y.
 Hallcrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
 Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 Kinsey Radio Mfg. Co., 5807 Oak St., Omaha 7, Nebraska
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Link Radio Corp., 125 W. 17th St., New York, N. Y.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 National Electronics Labs., Inc., 200 King St., Alexandria, Va.
 Northeastern Engineering, Inc., Manchester, N. H.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.

Smith-Meeker Engineering Co., Inc., 125 Barclay St., New York 7, N. Y.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
 Symphonic Radio & Electronic Corp., 292-8 Main St., Cambridge 42, Mass.
 Technical Materiel Corp., The, 473 W. 47th St., New York 19, N. Y.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Wilcox Electric Co., 1400 Chestnut St., Kansas City, Mo.

RECEIVERS—Automobile

Automatic Radio Mfg. Co., Inc., 122 Brookline Ave., Boston, Mass.
 Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Delco Radio Div., General Motors Corp., Kokomo, Ind.
 Eckstein Radio & Television Co., LeRoy, Minn.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 International Detrola Corp., Detrola Radio Div., 1501 Beard Ave., Detroit, Mich.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 Regal Electronics Corp., 603 W. 130th St., New York 27, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Wells-Gardner & Co., 2701 N. Kildare Ave., Chicago, Ill.

RECEIVERS—Coin Operated

American Communications Corp., 306 Broadway, New York 7, N. Y.
 Emerson Radio & Phonograph Corp., 111 8th Ave., New York, N. Y.
 G. V. Mfg. Corp., 1001 First Ave., Asbury Park, N. J.
LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.
 Northeastern Engineering, Inc., Manchester, N.H.
 Regal Electronics Corp., 603 W. 130th St., New York 27, N. Y.
 Symphonic Radio & Television Corp., 721 N. Martel Ave., Los Angeles 46, Calif.
 Tech-Master Products Co., 443-445 Broadway, New York 13, N. Y.
 Tradio, Inc., 1001 First Ave., Asbury Park, N. J.

RECEIVERS—Communication and Amateur

Air Associates, Inc., Teterboro, N. J.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Collins Radio Co., Cedar Rapids, Iowa
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Communications Co. Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
 Eckstein Radio & Television Co., LeRoy, Minn.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
 Erco Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.

FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Hallicrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
Hammarlund Mfg. Co., 460 W. 34th St., New York 1, N. Y.
Harvey Wells Electronics Inc., North St., Southbridge, Mass.
Heath Co., Benton Harbor, Mich.
Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
Kinsey Radio Mfg. Co., 5807 Oak St., Omaha 7, Nebraska
McMurdo Silver Co., 1240 Main St., Hartford 3, Conn.
Measurement Engineering Ltd., Arnprior, Ont., Canada
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
Press Wireless Mfg. Co., Inc., Cantiaque Rd., Hicksville, L. I., N. Y.
Radio Mfg. Engineers, Inc., 300-306 First Ave., Peoria 6, Ill.
Radio Specialty Mfg. Co., 2023 S. E. 6th Ave., Portland 14, Oregon
Sargent-Raymont Co., The, 212 Ninth St., Oakland 7, Calif.
Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.
Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
Waterproof Electric Co., 72 E. Verdugo Ave., Burbank, Calif.
Weston Laboratories, Weston 93, Mass.
Wilcox Electric Co., 1400 Chestnut St., Kansas City, Mo.

RECEIVERS—Crystal Sets

Air Champ Mfg. Co., 19 Fourth Ave., Brooklyn 17, N. Y.
Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
Laurehk Radio Mfg. Co., 3931 Monroe Ave., Wayne, Mich.
Taybern Equipment Co., 120 Greenwich St., New York 6, N. Y.
Tequip Radio Co., 1901 S. Washtenaw, Chicago, Ill.

RECEIVERS—Diversity Reception

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
Collins Radio Co., Cedar Rapids, Iowa
Decimeter, Inc., 1430 Market St., Denver 2, Colo.
Ellinwood Industries, 150 W. Slauson Ave., Los Angeles 3, Calif.
Erco Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.
Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
Hammarlund Mfg. Co., 460 W. 34th St., New York 1, N. Y.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
NORTHERN RADIO CO., INC., 143-145 W. 22nd St., New York 11, N. Y. SEE ADV. PGS. 153-155.
Press Wireless Mfg. Co., Inc., Cantiaque Rd., Hicksville, L. I., N. Y.
Schuttig & Co., Inc., 9th & Kearney Sts., N. E., Washington 17, D. C.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.

RECEIVERS—f-m

Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
American Radio Co., 611 E. Garfield Ave., Glendale, Calif.

Automatic Radio Mfg. Co., Inc., 122 Brookline Ave., Boston, Mass.
Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
Bogen Co., David, 663 Broadway, New York 12, N. Y.
BROWNING LABS., INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
Emerson Radio & Phonograph Corp., 111 8th Ave., New York, N. Y.
Erco Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.
Espey Mfg. Co., Inc., 528 E. 72nd St., New York 19, N. Y.
Fada Radio & Electric Co., Inc., 575 Main St., Belleville, N. J.
Farnsworth Television & Radio Corp., Ft. Wayne, Ind.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Fisher Radio Corp., 41 E. 47th St., New York, N. Y.
Garod Radio Corp., 70 Washington St., Brooklyn 1, N. Y.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
Hallicrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
Harvey Radio Labs., Inc., 447 Concord Ave., Cambridge, Mass.
Harvey Wells Electronics Inc., North St., Southbridge, Mass.
Heath Co., Benton Harbor, Mich.
Inductograph Laboratory, Box 76, Brookfield, Conn.
Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
Kinsey Radio Mfg. Co., 5807 Oak St., Omaha 7, Nebraska
La Magna Mfg. Co., Inc., East Rutherford, N. J.
Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
Magnavox Co., The, Components Div., Fort Wayne 4, Indiana
Maryland Electronic Mfg. Corp., 5009 Calvert Rd., College Park, Md.
Meissner Mfg. Div., Maguire Industries Inc., Mt. Carmel, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
Philco Corp., Tioga & C Sts., Phila. 34, Pa.
Radio Engineering Labs., Inc., 35-54 36th St., Long Island City, N. Y.
Schuttig & Co., Inc., 9th & Kearney Sts., N.E., Washington 17, D. C.
Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
Standard Telephones & Cables Co., Connaught House, Aldwych, London, W. C. 2, England
Symphony Radio & Television Corp., 721 N. Martel Ave., Los Angeles 16, Calif.
Tech-Master Products Co., 443-445 Broadway, New York 13, N. Y.
Televisa Corp. of America, 114 E. 16th St., New York 3, N. Y.
West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.

RECEIVERS—Fixed Frequency

American Communications Corp., 306 Broadway, New York 7, N. Y.
American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
Audar Inc., Argos, Indiana
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
Basset, Inc., Rex, 307-11 N.W. 1st Ave., Ft. Lauderdale, Fla.

Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
BROWNING LABORATORIES, INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
Collins Radio Co., Cedar Rapids, Iowa
Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
Doolittle Radio, Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.
Electronic Sound Engineering Co., 4344-46 W. Armitage Ave., Chicago 39, Ill.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
Erco Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.
Garod Radio Corp., 70 Washington St., Brooklyn 1, N. Y.
Hallicrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
Hose-McCann Telephone Co., Inc., 25th St. & 3rd Ave., Brooklyn 32, N. Y.
Intervox Corp., 2701 California Ave., Seattle, Wash.
Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
Kinsey Radio Mfg. Co., 5807 Oak St., Omaha 7, Nebraska
LaMagna Mfg. Co., Inc., East Rutherford, N. J.
LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.
Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
Link Radio Corp., 125 W. 17th St., New York, N. Y.
Maryland Electronic Mfg. Corp., 5009 Calvert Rd., College Park, Md.
Measurement Engineering Ltd., Arnprior, Ontario, Canada
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
Mobile Communications Co., 110 W. Ocean Blvd., Long Beach 2, Calif.
Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
National Electronics Labs., Inc., 200 King St., Alexandria, Va.
Philco Corp., Tioga & C Sts., Phila. 34, Pa.
Press Wireless Mfg. Co., Inc., Cantiaque Rd., Hicksville, L. I., N. Y.
Radio Development & Research Co., 26 Cornellson Ave., Jersey City, N. J.
RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
Radio Specialty Mfg. Co., 2023 S. E. 6th Ave., Portland 14, Ore.
Ripley Co., Inc., P.O. Box 31, Middletown, Conn.
Schuttig & Co., Inc., 9th & Kearney Sts., N. E., Washington 17, D. C.
Smith-Meeker Engineering Co., 125 Barclay St., New York 7, N. Y.
Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
Webster Engineering Co., 105 Tenth St., N.E., Cedar Rapids, Iowa
Wilcox Electric Co., 1400 Chestnut St., Kansas City, Mo.

RECEIVERS—Loran

Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Harvey Radio Labs., Inc., 447 Concord Ave., Cambridge, Mass.
Philco Corp., Tioga & C Sts., Phila. 34, Pa.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
Radiomarine Corp. of America, 75 Varick St., New York 13, N. Y.

Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

RECEIVERS—Marine

Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
 Emerson Radio & Phonograph Corp., 111 8th Ave., New York, N. Y.
 Erco Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Fisher Research Lab., 1961 University Ave., Palo Alto, Calif.
 Gray Radio Co., 501 Forest Hill Blvd., West Palm Beach, Fla.
 Hallicrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
 Harvey Wells Electronics Inc., North St., Southbridge, Mass.
 Hose-McCann Telephone Co., Inc., 25th St. & 3rd Ave., Brooklyn 32, N. Y.
 Jefferson, Inc., Ray, 40 E. Merrick Rd., Freeport, N. Y.
 Jefferson-Travis Inc., 76 Ninth Ave., New York 11, N. Y.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Maryland Electronic Mfg. Corp., 5009 Calvert Rd., College Park, Md.
 Measurement Engineering Ltd., Arnprior, Ont., Canada
 National-Simplex-Bludworth, Inc., Bludworth Marine Div., 92 Gold St., New York 7, N. Y.
 Northern Radio Co., 314 Bell St., Seattle 1, Wash.
 Radio Development and Research Co., 26 Cornell Ave., Jersey City, N. J.
 Radiomarine Corp. of America, 75 Varick St., New York 13, N. Y.
 Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

RECEIVERS—Microwave

Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 De Mornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.
 Eltron, Inc., 407 N. Jackson Street, Jackson, Mich.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
 Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Submarine Signal Div., Raytheon Mfg. Co., Waltham, Mass.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

RECEIVERS—Panoramic

PANORAMIC RADIO CORP., 92 Gold Street, New York 7, N. Y. SEE ADV. PG. 213.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Telemark, Inc., 79 Prospect St., Stamford, Conn.

RECEIVERS—Portable & Mobile

American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 Belmont Radio Co., Div. Raytheon Mfg. Co., 5921 W. Dickens Ave., Chicago 39, Ill.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
 Doolittle Radio Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.
 Eckstein Radio & Television Co., LeRoy, Minn.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
 Emerson Radio & Phonograph Corp., 111 8th Ave., New York, N. Y.
 Erco Radio Labs., Inc., E. Stewart Ave., Garden City, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hallicrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
 Harvey Radio Labs., Inc., 447 Concord Ave., Cambridge, Mass.
 Hose-McCann Telephone Co., Inc., 25th St. & 3rd Ave., Brooklyn 32, N. Y.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 Link Radio Corp., 125 W. 17th St., New York, N. Y.
 Measurement Engineering Ltd., Arnprior, Ont., Canada
 Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 National Electronics Labs., Inc., 200 King St., Alexandria, Va.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 Radio Development & Research Co., 26 Cornell Ave., Jersey City, N. J.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
 Wilcox Electric Co., 1400 Chestnut St., Kansas City, Mo.

RECEIVERS—Radio Direction Finder

American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Fisher Research Lab., 1961 University Ave., Palo Alto, Calif.
 Grady Instrument Co., 689 Belmont St., Belmont 78, Mass.
 Hose-McCann, Telephone Co., Inc., 25th St. & 3rd Ave., Brooklyn 32, N. Y.
 Intervox Corp., 2701 California Ave., Seattle, Wash.
 Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
 Jarvis Electronics Corp., 6058 W. Fullerton Ave., Chicago 39, Ill.
 Jefferson, Inc., Ray, 40 E. Merrick Rd., Freeport, N. Y.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 Lear, Inc., 110 Ionia Ave., N.W., Grand Rapids 2, Mich.

Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 National-Simplex-Bludworth, Inc., Bludworth Marine Div., 92 Gold St., New York 7, N. Y.
 Northern Radio Co., 314 Bell St., Seattle 1, Wash.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Radiomarine Corp. of America, 75 Varick St., New York 13, N. Y.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Submarine Signal Div., Raytheon Mfg. Co., Waltham, Mass.

RECEIVERS—Railroad

Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
 Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
 Farmers' Engineering Mfg. Co., 549 Brushton Ave., Pittsburgh, Pa.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 Rosen Engineering Products, Inc., Raymond, 32nd & Walnut St., Phila. 4, Pa.
 Smith-Meeker Engineering Co., 125 Barclay St., New York 7, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 39, Pa. SEE ADV. PGS. 66, 67.

RECEIVERS—Television

Air-King Products Co., Inc., 170 53rd St., Brooklyn, N. Y.
 Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
 Automatic Radio Mfg. Co., Inc., 122 Brookline Ave., Boston, Mass.
 Bace Television Corp., Green & Leuning Sts., So. Hackensack, N. J.
 Belmont Radio Co., Div., Raytheon Mfg. Co., 5921 W. Dickens Ave., Chicago 39, Ill.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Bowers Battery & Spark Plug Co., Reading, Pa.
 Brunswick Radio & Television Div., Radio & Television, Inc., 244 Madison Ave., New York, N. Y.
 Cortley Television Corp., 15 W. 27th St., New York 1, N. Y.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio
 DeWald Radio Mfg. Corp., 35-15 37th Ave., Long Island City, N. Y.
 Du Mont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J.
 Emerson Radio & Phonograph Corp., 111 8th Ave., New York, N. Y.
 Espy Mfg. Co., Inc., 528 East 72 St., New York, N. Y.
 Fada Radio & Electric Co., Inc., 525 Main St., Belleville, N. J.
 Feller Engineering Co., 945 W. George St., Chicago 14, Ill.
 Fisher Radio Corporation, 41 E. 47th St., New York, N. Y.

Five Star Radio Co., 416 Broadway, Cambridge, Mass.
 Garod Radio Corp., 70 Washington St., Brooklyn 1, N. Y.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hallcrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
 Heath Co., Benton Harbor, Mich.
 Industrial Television, Inc., 359 Lexington Ave., Clifton, N. J.
 International Television Corp., 238 William St., New York 7, N. Y.
 Kingston Radio Co., Inc., Kokomo, Ind.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Magnavox Co., The Components Div., Ft. Wayne 4, Ind.
 Major Television Corp., 19 W. 44th St., New York, N. Y.
 Meck Industries, John, Liberty at Pennsylvania, Plymouth, Ind.
 Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
 Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Nielson Television Corp., Newton 10, Norwalk, Conn.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 Pilot Radio Corp., 37-06 36th St., L. I. City, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Remington Radio Corp., 80 Main St., White Plains, N. Y.
 Scott Radio Labs., Inc., 4451 N. Ravenswood Ave., Chicago 40, Ill.
 Sentinel Radio Corp., 2100 Dempster St., Evanston, Ill.
 Shevers Inc., Harold, 33 W. 46th St., New York 19, N. Y.
 Sightmaster Corp., 220 Fifth Ave., New York, N. Y.
 Snaider Television Corp., 540 Bushwick Ave., Brooklyn 6, N. Y.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
 Starrett Television Mfg. Corp., 601 W. 26th St., New York, N. Y.
 Stewart-Warner Electric Div., Stewart-Warner Corp., 1826 Diversey Pkwy., Chicago 14, Ill.
 Stromberg-Carlson Co., Rochester, N. Y.
 Symphony Radio & Television Corp., 721 N. Martel Ave., Los Angeles 46, Calif.
 Taybern Equipment Co., 120 Greenwich St., New York 6, N. Y.
 Tech-Master Products Co., 443-445 Broadway, New York 13, N. Y.
 Telegrip Radio Co., 1901 S. Washtenaw, Chicago, Ill.
 Tele-Tone Radio Corp., 540 W. 58th St., New York 19, N. Y.
 Television Equipment Corp., 238 William St., New York 7, N. Y.
 Televista Corp. of America, 114 E. 16th St., New York 3, N. Y.
 Television Labs., Inc., 542 N. Parkside Ave., Chicago 44, Ill.
 U. S. Television Mfg. Corp., 3 W. 61st St., New York 23, N. Y.
 Vidcraft Television Corp., 730 E. 137th St., Bronx, N. Y.
 Videodyne, Inc., 33 Jefferson St., Stamford, Conn.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wilcox-Gay Corp., Charlotte, Mich.

RECEIVERS—uhf

Air Associates, Inc., Teterboro, N. J.
 Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Decimeter, Inc., 1430 Market St., Denver 2, Colo.
 Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.

Doolittle Radio, Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Hallcrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Link Radio Corp., 125 W. 17th St., New York, N. Y.
 Maryland Electronic Mfg. Corp., 5009 Calvert Rd., College Park, Md.
 McMurdo Silver Co., 1240 Main St., Hartford 48, Mass.
 Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 National Electronics Labs., Inc., 200 King St., Alexandria, Va.
 Press Wireless Mfg. Co., Inc., Cantigue Rd., Hicksville, L. I., N. Y.
 Radio Development and Research Co., 26 Cornellson Ave., Jersey City, N. J.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Telemark, Inc., 79 Prospect St., Stamford, Conn.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 Videodyne, Inc., 33 Jefferson St., Stamford, Conn.

RECEIVERS—vht

American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Belmont Radio Co., Div. Raytheon Mfg. Co., 5921 W. Dickens Ave., Chicago 39, Ill.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Collins Radio Co., Cedar Rapids, Iowa
 Communications Co. Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
 Doolittle Radio, Inc., 7421 S. Loomis Bldg., Chicago 36, Ill.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
 Erco Radio Labs. Inc., E. Stewart Ave., Garden City, N. Y.
 Farnsworth Television & Radio Corp., Ft. Wayne, Ind.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Hallcrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
 Hammarlund Mfg. Co., 460 W. 34th St., New York 1, N. Y.
 Harvey Wells Electronics Inc., North St., Southbridge, Mass.
 Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Link Radio Corp., 125 W. 17th St., New York, N. Y.
 McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
 Maryland Electronic Mfg. Corp., 5009 Calvert Rd., College Park, Md.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
 Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 National Electronics Labs., Inc., 200 King St., Alexandria, Va.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 Pioneer Electric & Research Corp., The, 7212 Circle Ave., Forest Park, Ill.
 Press Wireless Mfg. Co., Inc., Cantigue Rd., Hicksville, L. I., N. Y.
 Radio Development and Research Co., 26 Cornellson Ave., Jersey City, N. J.

Radio Mfg. Engineers, Inc., 300-306 1st Ave., Peoria 6, Ill.
RADIO RECEPTOR CO., 251 W. 19th St., New York, N. Y. SEE ADV. PGS. 162, 163.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Remington Radio Corp., 80 Main St., White Plains, N. Y.
 Schuttig & Co., Inc., 9th & Kearney Sts., N. E., Washington 17, D. C.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Telemark, Inc., 79 Prospect St., Stamford, Conn.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 Videodyne, Inc., 33 Jefferson St., Stamford, Conn.
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Wilcox Electric Co., 1400 Chestnut St., Kansas City, Mo.

RECEIVERS, HOME

1. a-m phono, Console
 2. a-m phono, Table
 3. a-m Console
 4. a-m Portable
 5. a-m Table
 6. a-m Vest Pocket
 7. a-m/f-m phono, Console
 8. a-m/f-m phono, Table
 9. a-m/f-m Console
 10. a-m/f-m Portable
 11. a-m/f-m Table
 12. f-m Console
 13. f-m Portable
 14. f-m Table
 15. t-v Console
 16. t-v Portable
 17. t-v Table
 18. f-m/t-v Console
 19. f-m/t-v Table
 20. a-m/f-m/t-v Console
 21. a-m/f-m/t-v Table
 22. a-m/f-m/t-v phono, Console
 23. Recorder and Phonograph combination
 24. Built-in wall type
- Admiral Corp., 3800 Cortland St., Chicago 47, Ill. 2-3-4-5-8-9-11-12-14
 Aim Industries, 41 Union Square, New York 3, N. Y., 23
 Air-King Products Co., Inc., 170-53rd St., Brooklyn, N. Y. 1-2-3-4-5-6-7-8-11-15-17-18-19-20 21-22-23
 Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y. 14-24
 American Communications Corp., 306 Broadway, New York 7, N. Y., 2-5-24
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif. 9
 Andrea Radio Corp., 2701 Bridge Plaza, North, Long Island City, N. Y. 2-4-5-11-21-23
 Audar Inc., Argos, Indiana 1-4-23
 Audio Industries, Michigan City, Ind. 23
 Autocrat Radio Co., 3855 N. Hamilton Ave., Chicago, Ill. 2-4-5
 Automatic Radio Mfg. Co., Inc., 122 Brookline Ave., Boston, Mass. 2-3-4-5-6-8-9-14-23
 Bace Television Corp., Green & Leuning Sts., South Hackensack, N. J. 15-17
 Belmont Radio Co., Div., Raytheon Mfg. Co., 5921 W. Dickens Ave., Chicago 39, Ill. 4-5-6-7-11-15-16-17-22
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md. 1-3-4-5-7-8-11-12-15-17-20-22
 Brociner Electronics Lab., 1546 Second Ave., New York 28, N. Y. 7
 Brunswick Radio & Television Div., Radio & Television, Inc., 244 Madison Ave., New York, N. Y. 8-15-21
 Collins Audio Products Co., P. O. Box 368, Westfield, N. J. 14

- Colonial Radio Corp., 254 Rano St., Buffalo 7, N. Y. 9-15-16-17-18-19-20-21-22
- Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo. 6
- Concord Radio Corp., 901 W. Jackson Blvd., Chicago 7, Ill. 5
- Conn Ltd., C. G. Electronics Div., Elkhart, Ind. 23
- Coronet Radio & Television Corp., 500 W. 52nd St., New York 19, N. Y. 2-5-6-23
- Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada 1-3-5-15-17
- Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio 2-4-5-8-11
- Delco Radio Div., General Motors Corp., Kokomo, Ind. 1-2-4-5-7-8-11-22
- DeWald Radio Mfg. Corp., 35-15 37th Ave., Long Island City, N. Y. 2-3-4-24
- DuMont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J. 15-16-17-18-19-20-21-22-24
- Eckstein Radio & Television Co., LeRoy, Minn. 5-11
- Electronic Labs., Inc., 24 W. 24th St., Indianapolis 4, Ind. 2-4-5-9-11
- EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. 3-8-9. SEE ADV. PG. 189.
- Emerson Radio & Phonograph Corp., 111 8th Ave., New York, N. Y. 1-2-4-5-7-11-14-15-16-17-18-19-22
- Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y. 1-2-3-4-5-7-8-9-10-11-23
- Fada Radio & Electric Co., Inc., 525 Main St., Belleville, N. J. 3-4-7-8-9-11-14-15-17-18-20-22
- Feiler Engineering Co., 945 W. George St., Chicago 14, Ill. 19
- Fisher Radio Corp., 41 E. 47th St., New York, N. Y. 7-15-17-22
- Five Star Radio Co., 416 Broadway, Cambridge, Mass. 2-5-8-9-14-23
- Flush Wall Radio Co., 9 W. Park St., Newark 2, N. J. 24
- Freed Radio Corp., 200 Hudson St., New York, N. Y. 7-11-12-15-20-22
- Garod Radio Corp., 70 Washington St., Brooklyn 1, N. Y. 2-3-4-5-6-7-8-9-10-11-15-16-17-18-19-20-21-22-23
- GENERAL ELECTRIC Co., Electronics Dept., Syracuse, N. Y. 1-2-4-5-7-11-15-17-22. SEE ADV. PGS. 5-18.
- General Television and Radio Corp., 2701 N. Lehmann St., Chicago 14, Ill. 4-5-14
- Gilner Mfg. Co., 21 E. 34th St., Steger, Ill. 2-4-5-8
- Hallcrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill. 2-4-5-7-8-9-10-11-15-16-17-20-22
- Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif. 2-3-4-5-8-9-10-11-12-13-14-23
- Hollywood Radio Cabinet Co., 924 N. Formosa Ave., Hollywood, Calif. 1-2-4-5-6
- Industrial Television Inc., 359 Lexington Ave., Clifton, N. J. 15-17-20-22
- International Detrola Corp., Detrola Radio Div., 1501 Beard Ave., Detroit, Mich. 2-3-4-5-8-9-10
- International Television Corp., 238 William St., New York 7, N. Y. 15-17-20
- Kingston Radio Co., Inc., Kokomo, Ind. 1-2-3-5-7-8-9-11-15-17-18-19-20-21-22
- La Magna Mfg. Co., Inc., East Rutherford, N. J. 2-4-5-24
- Laurehk Radio Mfg. Co., 3931 Monroe Ave., Wayne, Michigan 5-6
- M. P. Concert Installations, Fairfield 10, Conn. 2-3-5-8-9-24
- Magnavox Co., The, Components Div., Fort Wayne 4, Indiana. 2-3-5-8-9-11-12-14-23
- Maguire Industries Inc., Electronics Dept., Bridgeport, Conn. 2-5-8-11-14
- Measurement Engineering Ltd., Arnprior, Ontario, Canada 1-3-8-9-12-24
- Meek Industries, John, Liberty at Pennsylvania, Plymouth, Ind. 2-5-11-15-17
- Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill. 4-5-9-23
- Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y. 23
- Midwest Radio Corp., 909 Broadway, Cincinnati 2, Ohio 3-4-5-8-9-21
- Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn. 7-24
- Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa. 5
- Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill. 2-3-4-5-8-9-10-11-12-13-14-21-23
- NATIONAL COMPANY, INC., 61 Sherman St., Malden 48, Mass. 15-17. SEE ADV. PGS. 105-108.
- Nielsen Television Corp., Newton Rd., Norwalk, Conn. 15-22
- Noblitt Sparks Industries, Columbus, Ohio 5-11-15-17
- Olympic Radio & Television Co., 34-01 38th Ave., Long Island City, N. Y. 1-3-4-5-7-8-9-11-12-14-15-17-18-20-22
- Orthon Corp., The, Electronic Div., 196 Albion Ave., Paterson 2, N. J. 2-3-5
- Philco Corp., Tioga & C Streets, Phila. 34, Pa. 1-2-3-4-5-7-11-15-17-22
- Pilot Radio Corp., 37-06 36th St., L. I. City, N. Y. 15-16-17-18-19-20-21-22
- RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. 1-2-4-5-7-11-14-15-17-20-21-22-24. SEE ADV. PGS. 197, Inside Back and Back Covers.
- Ray-Dyne Mfg. Corp., 141 W. 24th St., New York 11, N. Y. 1-2-3-4-5-6
- Regal Electronics Corp., 603 W. 130th St., New York 27, N. Y. 2-3-4-5-8-9-10-11-12-13-14-23
- Remington Radio Corp., 80 Main St., White Plains, N. Y. 18-19
- Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif. 1-2-4-5-7-15-20-22
- Scott Radio Labs., Inc., 4451 N. Ravenswood Ave., Chicago 40, Ill. 2-3-7-17-22
- Sentinel Radio Corp., 2100 Dempster St., Evanston, Ill. 4-5-6-7-8-9-11-15-16-17-20-21-22
- Setchell Carlson, 2233 University Ave., St. Paul, Minn. 2-4-5-14
- Shevers Inc., Harold, 33 W. 46th St., New York 19, N. Y. 7-22
- Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City 3, N. Y. 6-23
- Smith-Meeker Engineering Co., 125 Barclay St., New York 7, N. Y. 24
- Snaider Television Corp., 540 Bushwick Ave., Brooklyn 6, N. Y. 18-24
- Starrett Television Mfg. Corp., 601 W. 26th St., New York, N. Y. 1-7-8-9-15-17-20-21-22
- Stewart-Warner Electric Div., Stewart-Warner Corp., 1826 Diversey Pkwy., Chicago 14, Ill. 1-2-3-4-5-7-11-14-15-17-18-19-20-22
- Stromberg-Carlson Co., Rochester, N. Y. 2-4-5-8-11-15-17-18-19
- Symphonic Radio & Electronic Corp., 292-8 Main St., Cambridge 42, Mass. 1-22
- Symphony Radio & Television Corp., 721 N. Martel Ave., Los Angeles 46, Calif. 1-2-4-5-6-7-8-12-14-23-24
- Tayburn Equipment Co., 120 Greenwich St., New York 6, N. Y. 15-17-20-21-22
- Tech-Master Products Co., 443-445 Broadway, New York 13, N. Y. 2-4-5
- Tele King Corp., 601 W. 26th St., New York 1, N. Y. 15-17
- Tele-Tone Radio Co., 540 W. 58th St., New York 19, N. Y. 2-4-5-11
- Televista Corp. of America, 114 E. 16th St., New York 3, N. Y. 4-5-6-11-15-17-20-21-22
- TELVision Labs., Inc., 542 N. Parkside Ave., Chicago 44, Ill. 17
- Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill. 8-9-12
- Trav-Ler Radio Corp., 571 W. Jackson Blvd., Chicago, Ill. 2-4-5-15
- U. S. Television Mfg. Corp., 3 W. 61st St., New York 23, N. Y. 15-17-21
- Vacolite Co., 3001-3003 N. Henderson, Dallas, Texas 6
- Videodyne, Inc., 33 Jefferson St., Stamford, Conn. 15-16-17-18-19
- Watterson Radio Mfg. Co., P. O. Box 840, Dallas, Texas 2-3-4-5
- Wells-Gardner & Co., 2701 N. Kildare Ave., Chicago, Ill. 2-3-4-5-8-9-11-15-17-20-22
- WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. 2-3-4-5-8-9-11. SEE ADV. PGS. 66, 67.
- Wilcox-Gay Corp., Charlotte, Mich. 2-7-8-10-15-23
- Zenith Radio Corp., 6001 Dickens Ave., Chicago 39, Ill. 2-3-4-5-7-11-14-15-17-22

RECORDERS—Blood Pressure

SANBORN CO., 39 Osborn St., Cambridge 39, Mass. SEE ADV. PG. 30.
Technitrol Engineering Co., 3212 Market St., Phila., Pa.

RECORDERS—Density

See Recorders, Specific Gravity

RECORDERS—Dielectric Constant

Paterson Co., C. J., 3947 Broadway, Kansas City, Mo.
Tech Laboratories, Inc., Bergen & Edsall Blvds., Palisades Park, N. J.

RECORDERS—Electronic Office Recorders & Playbacks

Air-King Products Co., Inc., 170 53rd St., Brooklyn, N. Y.
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
Dictaphone Corp., 420 Lexington Ave., New York 17, N. Y.
Edison Inc., Thomas A., 51 Lakeside Ave., West Orange, N. J.
Electronics Contracting Co., 122 Chambers St., New York 7, N. Y.
Ellinwood Industries, 150 W. Slauson Ave., Los Angeles 3, Calif.
Gray Mfg. Co., 16 Arbor St., Hartford, Conn.
GRAY RESEARCH & DEVELOPMENT CO., 16 Arbor St., Hartford 1, Conn. SEE ADV. PG. 187.
Hollywood Radio Cabinet Co., 924 N. Formosa Ave., Hollywood, Calif.
LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.
Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
Soundscribe Corp., 146 Munson St., New Haven 4, Conn.
Speak-O-Phone Recording & Equipment Co., 23 W. 60th St., New York, N. Y.
Wagner Recorder Mfg. Corp., 292 Madison Ave., New York 17, N. Y.
Webster Engineering Co., 105 Tenth St., N. E., Cedar Rapids, Iowa
Wilcox-Gay Corp., Charlotte, Mich.

RECORDERS—Electronic Rotary Stylus

National-Simplex-Bludworth, Inc., Bludworth Marine Div., 92 Gold St., New York 7, N. Y.
Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.

RECORDERS — Electronic Self-Balancing Recorders and Indicators

Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
Bristol Co., The, Waterbury 91, Conn.
Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
Diamond Instrument Co., North Ave., Wakefield, Mass.
Ess Instrument Co., 96 So. Washington Ave., Bergenfield, N. J.
Foxboro Co., The, Foxboro, Mass.
Industrial Instruments Inc., 17 Pollack Ave., Jersey City 5, N. J.
Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
Research Electronic Labs., 2459 Susquehanna Rd., Roslyn, Pa.

RECORDERS—Facsimile

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
Alden Products Co., 117 No. Main St., Brockton 64, Mass.
Bunnell & Co., J. H., 215 Fulton St., New York, N. Y.

Fairchild Recording Equipment Corp., 154th St. & 7th Ave., Whitestone, N. Y.
 Finch Telecommunications Inc., Passaic, N. J.
 McElroy Mfg. Corp., Littleton, Mass.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Radio Inventions, Inc., 155 Perry St., New York 14, N. Y.
 Stewart-Warner Electric Div., Stewart-Warner Corp., 1826 Diversey Pkwy., Chicago 14, Ill.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Times Facsimile Corp., 229 W. 43rd St., New York, N. Y.
 Western Union Telegraph Co., 60 Hudson St., New York 13, N. Y.

RECORDERS—Film

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
 Berndt-Bach, Inc., 7377 Beverly Blvd., Los Angeles 36, Calif.
ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.
 Hart & Co., Inc., Frederick, 839 Main Ave., Poughkeepsie, N. Y.
 Maurer Inc., J. A., 37-01 31st St., Long Island City, N. Y.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PG. 197, Inside Back and Back Covers.
 SOS Cinema Supply Co., 602 W. 52nd St., New York 19, N. Y.
 Stephens Mfg. Corp., 8538 Warner Drive, Culver City, Calif.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

RECORDERS—Film Thickness

ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.

RECORDERS—Fluid Conductivity

Foxboro Co., The, Foxboro, Mass.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.

RECORDERS—Fluid Flow

ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Bailey Meter Co., 1044 Ivanhoe Road, Cleveland 10, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Phila. 44, Pa.
 Foxboro Co., The, Foxboro, Mass.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.

RECORDERS—Frequency

Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Sound Apparatus Co., Stirling, N. J.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

RECORDERS—Humidity

American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Bristol Co., The, Waterbury 91, Conn.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Foxboro Co., The, Foxboro, Mass.
 Friez Instrument Div., Bendix Aviation Corp., Baltimore 4, Md.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Minneapolis-Honeywell Regulator Co., 2735 Fourth Ave., S., Minneapolis, Minn.
 Weksler Thermometer Co., 52 W. Houston St., New York 12, N. Y.

RECORDERS—Illumination

Ripley Co., Inc., P. O. Box 31, Middletown, Conn.

RECORDERS—Liquid Level

ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Bailey Meter Co., 1044 Ivanhoe Road, Cleveland 10, Ohio
 Brown Instrument Co., Wayne & Roberts Aves., Phila. 44, Pa.
 Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
 Foxboro Co., The, Foxboro, Mass.
 Friez Instrument Div., Bendix Aviation Corp., Baltimore 4, Md.
 Gorrell & Gorrell, Haworth, N. J.
 Leupold & Stevens Instruments, 4445 N. E. Glisan St., Portland 13, Ore.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Servo-Tek Products Co., 4 Godwin Ave., Paterson, N. J.

RECORDERS—Magnetic Tape

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Amplex Electric Corp., 1155 Howard Ave., San Carlos, Calif.
 Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.
 Arcturus Engineering Corp., 1755 Glendale Blvd., Los Angeles 26, Calif.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
 Audio Industries, Michigan City, Ind.
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Caltron Co., 1406 S. Hobart Blvd., Los Angeles 6, Calif.
 Cinema Engrg. Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Dalmo Victor Co., San Carlos, Calif.
 Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
 Electronic Supply Co., 207 Main St., Worcester, Mass.
 Fairchild Recording Equipment Corp., 154th St. & 7th Ave., Whitestone, N. Y.
 Gates Radio Co., Quincy, Ill.
 Gorrell & Gorrell, Haworth, N. J.
 Hart & Co., Inc., Frederick, 839 Main Ave., Poughkeepsie, N. Y.
 Lansing Engrg. Co., Electronics Div., 735 E. Kalamazoo St., Lansing 12, Mich.
 Magnecord, Inc., 360 N. Michigan Ave., Chicago 1, Ill.
 Magnetic Recorders Co., 7120 Melrose St., Los Angeles, Calif.
 Magnograph Corp., 5800 W. 3rd St., Los Angeles 36, Calif.
 McElroy Mfg. Corp., Littleton, Mass.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
 Nelson Specialty Corp., San Leandro, Calif.
PRESTO RECORDING CORP., Paramus, N. J. SEE ADV. PGS. 40, 41.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Development & Research Co., 26 Cornellson Ave., Jersey City, N. J.
 Rangertone, Inc., 73 Winthrop St., Newark 4, N. J.
 Rek-O-Kut Co., Inc., 38-01 Queens Blvd., L. I. City, N. Y.
 Rowe Industries, 1702 Wayne St., Toledo 9, Ohio
 Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City 3, N. Y.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Webster-Chicago Corp., 5622 Bloomingdale Ave., Chicago 39, Ill.
 Webster Electric Co., 1900 Clark St., Racine, Wis.
 Webster Engineering Co., 105 Tenth St., N. E., Cedar Rapids, Iowa
 Wilcox-Gay Corp., Charlotte, Mich.

RECORDERS—Materials Thickness

ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Foxboro Co., The, Foxboro, Mass.

RECORDERS—Mechanical

Annis Co., R. B., 1101 N. Delaware St., Indianapolis, Ind.
 Autocall Co., The, Shelby, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Electric Tachometer Corp., 2218 Vine St., Philadelphia 3, Pa.
ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.
 Gorrell & Gorrell, Haworth, N. J.
 Leupold & Stevens Instruments, 4445 N.E. Glisan St., Portland 13, Ore.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
RAHM INSTRUMENTS, INC., 12 West Broadway, New York 7, N. Y. SEE ADV. PG. 222.
 Servo-Tek Products Co., 4 Godwin Ave., Paterson, N. J.

RECORDERS—Moisture

American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Fielden Electronics Inc., 1171 New York Ave., Huntington Station, N. Y.
 Foxboro Co., The, Foxboro, Mass.
 Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.

RECORDERS—Nuclear Radiation

Anton Electronic Laboratories, Inc., 1226-1238 Flushing Ave., Brooklyn 6, N. Y.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Berkeley Scientific Co., 6th & Nevin, Richmond, Calif.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Geophysical Instrument Co., 1820 N. Nash St., Arlington, Va.
 National Technical Lab., 320 Mission St., S. Pasadena, Calif.
 Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.
 Radioactive Products, Inc., 3201 E. Woodbridge St., Detroit 7, Mich.

RECORDERS—Oxygen

Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.

RECORDERS—PH

Bailey Meter Co., 1044 Ivanhoe Road, Cleveland 10, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Phila. 44, Pa.

Elm Laboratories, 18 South Broadway, Dobbs Ferry, N. Y.
 Foxboro Co., The, Foxboro, Mass.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.

RECORDERS—Potentiometer

Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Ess Instrument Co., 96 So. Washington Ave., Bergenfield, N. J.
 Foxboro Co., The, Foxboro, Mass.
 Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., Minneapolis, Minn.
 Sound Apparatus Co., Stirling, N. J.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Phila. 44, Pa.

RECORDERS—Power Level

Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.

RECORDERS—Pressure

Bailey Meter Co., 1044 Ivanhoe Road, Cleveland 10, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Phila. 44, Pa.
 Electro Products Labs., Inc., 549 W. Randolph St., Chicago 6, Ill.
 Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
 Foxboro Co., The, Foxboro, Mass.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Manning, Maxwell & Moore, Inc., 11 Elias St., Bridgeport 2, Conn.
SANBORN CO., 39 Osborn St., Cambridge 39, Mass. SEE ADV. PG. 30.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Technitrol Engineering Co., 3212 Market St., Phila., Pa.
 Weksler Thermometer Co., 52 W. Houston St., New York 12, N. Y.

RECORDERS—Smoke and Combustion

Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Ess Instrument Co., 96 So. Washington Ave., Bergenfield, N. J.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Photobell Co., 116 Nassau St., New York 7, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.

RECORDERS—Sound Level

KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 Sound Apparatus Co., Stirling, N. J.

RECORDERS—Sound and Phonograph

Allied Recording Products Co., 21-09 43rd Ave., Long Island City 1, N. Y.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
 Audak Co., 500 Fifth Ave., New York, N. Y.
 Audar, Inc., Argos, Ind.
 Audio Industries, Michigan City, Ind.

Bell Sound Systems, Inc., 555 Marion Rd., Columbus 7, Ohio
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Conn Ltd., C. G., Electronics Div., Elkhart, Ind.
 Cook Laboratories, 139 Gordon Blvd., Floral Park, N. Y.
 Dictaphone Corp., 420 Lexington Ave., New York 17, N. Y.
 Ellinwood Industries, 150 W. Slauson, Los Angeles 3, Calif.
 Emerson Radio & Phonograph Corp., 111 8th Ave., New York, N. Y.
 Fada Radio & Electric Co., Inc., 525 Main St., Belleville, N. J.
 Fairchild Recording Equipment Corp., 154th St. & 7th Ave., Whitestone, N. Y.
 Gates Radio Co., Quincy, Ill.
 Gray Mfg. Co., 16 Arbor St., Hartford, Conn.
GRAY RESEARCH & DEVELOPMENT CO., 16 Arbor St., Hartford 1, Conn. SEE ADV. PG. 187.
 Hart & Co., Inc., Frederick, 839 Main Ave., Poughkeepsie, N. Y.
 Magnavox Co., The, Components Div., Ft. Wayne 4, Ind.
 Meck Industries, John, Liberty at Pa., Plymouth, Ind.
 Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Mirror Record Corp., 1133 Broadway, New York 10, N. Y.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
PRESTO RECORDING CORP., Paramus, N. J. SEE ADV. PGS. 40, 41.
 Rek-O-Kut Co., Inc., 38-01 Queens Blvd., Long Island City, N. Y.
 Scully Machine Co., 62 Walter St., Bridgeport, Conn.
 Simpson Mfg. Co., Inc., Mark, 32-28 49th St., L. I. City 3, N. Y.
 Speak-O-Phone Recording & Equipment Co., 23 W. 60th St., New York, N. Y.
 Stephens Mfg. Corp., 8538 Warner Drive, Culver City, Calif.
 Symphony Radio & Television Corp., 230 S. Spring St., Los Angeles 12, Calif.
 Wagner Electric Corp., 292 Madison Ave., New York 17, N. Y.
 Webster-Chicago Corp., 5622 Bloomingdale Ave., Chicago 39, Ill.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Western Sound & Electric Labs., Inc., 805 S. Fifth St., Milwaukee 4, Wis.
 Wilcox-Gay Corp., Charlotte, Mich.
 Zephyr Products Co., 160 E. 116th St., New York 29, N. Y.

RECORDERS—Specific Gravity

Brown Instrument Co., Wayne & Roberts Aves., Phila. 44, Pa.
 Foxboro Co., The, Foxboro, Mass.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.

RECORDERS—Strain

BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Foxboro Co., The, Foxboro, Mass.
 Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Phila. 44, Pa.

RECORDERS—Tape

Eckert-Mauchly Computer Corp., 3747 Ridge Ave., Philadelphia 32, Pa.
 Gorrell & Gorrell, Haworth, N. J.
 McElroy Mfg. Corp., Littleton, Mass.
 Prosser & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.

RECORDERS—Telemetry

Bailey Meter Co., 1044 Ivanhoe Road, Cleveland 10, Ohio
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Bristol Co., The, Waterbury 91, Conn.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Leupold & Stevens Instruments, 4445 N. E. Glisan St., Portland 13, Ore.
 Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.

RECORDERS—Telephone Recording Equipment

BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
DECOURSEY ENGINEERING LAB., P. O. Box 235, Los Angeles 25, Calif. SEE ADV. PG. 176.
 Dictaphone Corp., 420 Lexington Ave., New York 17, N. Y.
 Gray Mfg. Co., 16 Arbor St., Hartford, Conn.
GRAY RESEARCH & DEVELOPMENT CO., 16 Arbor St., Hartford 1, Conn. SEE ADV. PG. 187.
 Hart & Co., Inc., Frederick, 839 Main Ave., Poughkeepsie, N. Y.
 Mid-American Sales Co., 315-17-19 N. Cardinal Ave., St. Louis 3, Mo.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Peirce Wire Recorder Corp., 1328 Sherman Ave., Evanston, Ill.
 Radio Inventions, Inc., 155 Perry St., New York 14, N. Y.
 Soundscriber Corp., 146 Munson St., New Haven 4, Conn.
 Speak-O-Phone Recording & Equipment Co., 23 W. 60th St., New York, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England.
 Wagner Recorder Mfg. Corp., 292 Madison Ave., New York 17, N. Y.
 Whe-Gro Co., 315-17-19 N. Cardinal Ave., St. Louis 3, Mo.
 Wilcox-Gay Corp., Charlotte, Mich.

RECORDERS—Temperature

Bailey Meter Co., 1044 Ivanhoe Road, Cleveland 10, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Phila. 44, Pa.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Foxboro Co., The, Foxboro, Mass.
 Friez Instrument Div., Bendix Aviation Corp., Baltimore 4, Md.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
 Leupold & Stevens Instruments, 4445 N. E. Glisan St., Portland 13, Ore.
 Manning, Maxwell & Moore, Inc., 11 Elias St., Bridgeport 2, Conn.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Phila. 44, Pa.
 Weksler Thermometer Co., 52 W. Houston St., New York 12, N. Y.
 Wheelco Instruments Co., 847 W. Harrison St., Chicago 7, Ill.

RECORDERS—Timing

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Engineering Lab., Inc., 602 E. 4th St., Tulsa 3, Okla.
 Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
 Foxboro Co., The, Foxboro, Mass.
 Gorrell & Gorrell, Haworth, N. J.
 Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
 Haydon Co., The, A. W., 111 W. Main St., Waterbury 32, Conn.
 Weksler Thermometer Corp., 52 W. Houston St., New York 12, N. Y.

RECORDERS—Torque

Ruge-DeForest, Inc., 76 Massachusetts Ave., Cambridge 39, Mass.

RECORDERS—Vacuum

Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Robert Aves., Phila. 44, Pa.
 Distillation Products, Inc., Vacuum Equipment Div., 755 Ridge Rd., W., Rochester, N. Y.
 Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
 Foxboro Co., The, Foxboro, Mass.
 Fredericks Co., Geo. E., Bethayres, Pa.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.
 Weksler Thermometer Co., 52 W. Houston St., New York 12, N. Y.

RECORDERS—Weight

Chattillon & Sons, John, 93 Cliff St., New York 7, N. Y.
 Foxboro Co., The, Foxboro, Mass.
 Servo-Tek Products Co., 4 Godwin Ave., Paterson, N. J.

RECORDERS—Wire

Air-King Products Co., Inc., 170 53rd St., Brooklyn, N. Y.
 Allied Radio Corp., 833 W. Jackson Blvd., Chicago 7, Ill.
 Audar Inc., Argos, Indiana
 Aurex Corp., 1117 N. Franklin St., Chicago, Ill.
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
BRUSH DEVELOPMENT CO., 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Crescent Industries, Inc., 4140 Belmont Ave., Chicago 41, Ill.
 Electronic Products Co., 443 Greenwich St., New York, N. Y.
 Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.
 Lear, Inc., 110 Ionia Ave., NW, Grand Rapids 2, Mich.
 Magnecord, Inc., 360 N. Michigan Ave., Chicago 1, Ill.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Mirror Record Corp., 1133 Broadway, New York 10, N. Y.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
 Peirce Wire Recorder Corp., 1328 Sherman Ave., Evanston, Illinois
 Process & Instruments 60 Greenpoint Ave., Brooklyn 22, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Recordisc Corp., 395 Broadway, New York, N. Y.
 Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City 3, N. Y.
 Stark Sound Engineering Co., 2131 Fairfield, Fort Wayne 7, Ind.

Symphony Radio & Television Corp., 721 N. Martel Ave., Los Angeles 46, Calif.
 Terminal Radio Corp., 85 Cortland St., New York 7, N. Y.
 Webster-Chicago Corp., 5622 Bloomingdale Ave., Chicago 39, Ill.

RECORDING HEADS

See Heads, Recording

RECORDS—Phonograph

Aim Industries, 41 Union Sq., New York 3, N. Y.
 Bibletone Records, Inc., 354 Fourth Ave., New York 10, N. Y.
 Coda Record Co., 1291 Sixth Ave., New York 19, N. Y.
 Commodore Record Co., 289 Nepperhan Ave., Yonkers 2, N. Y.
 Decca Records, Inc., 50 West 57th St., New York 19, N. Y.
 Harmonia Records, 1328 Broadway, New York, N. Y.
 London Gramophone Corp., 16 W. 22nd St., New York 10, N. Y.
 Pilot Radio Corp., 37-06 36th St., Long Island City, N. Y.
 Poinsettia Co., Inc., 95 Cedar Ave., Pitman, N. J.
 Riggs & Jeffreys, Inc., 140 Glenridge Ave., Montclair, N. J.
 Tempo Record Co. of America, Hollywood, Calif.

RECTIFIERS—Crystal

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Kotron Rectifier Corp., A Standard Arcturus Affiliate, 54 Clark St., Newark 4, N. J.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

RECTIFIERS—Copper Oxide, Copper Sulfide or Selenium

See RECTIFIERS—Metallic

RECTIFIERS—Metallic

AMERICAN TELEVISION & RADIO CO., 300 E. 4th St., St. Paul 1, Minn. SEE ADV. PG. 192.
BRADLEY LABS., INC., 82 Meadow St., New Haven, Conn. SEE ADV. PG. 171.
 Clark Electronic Labs., Box 165, Palm Springs, Calif.
 Conant Labs., 6500 O St., Lincoln 5, Nebr.
 DeJur-Amsco Corp., Northern Blvd. at 45th St., Long Island City 1, N. Y.
 Electrical Windings, Inc., 2015 N. Kolmar Ave., Chicago 39, Ill.
 Electricoil Transformer Co., 421 Canal St., New York 13, N. Y.
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Electron Equipment Corp., 917 Meridian Ave., South Pasadena, Calif.
 Electronic Controls Co. of New York, 3124 Avenue I, Brooklyn 10, N. Y.
 Electronic Rectifier, Inc., 737 N. East St., Indianapolis, Ind.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., North Chicago, Ill. SEE ADV. PG. 29.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Green Electric Co., W., 130 Cedar St., New York, N. Y.
 Hercules Electric & Mfg. Co. Inc., 2500 Atlantic Ave., Brooklyn 7, N. Y.
 Inductive Equipment Co., Gettysburg, Pa.
 Industrial Electronics & Transformer Co., 1809 E. Slauson Ave., Los Angeles 11, Calif.

International Rectifier Corp., 6809 S. Victoria Ave., Los Angeles 43, Calif.
 Kotron Rectifier Corp., A Standard Arcturus Affiliate, 54 Clark St., Newark 4, N. J.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 McColpin-Christie Corp., 4922 S. Figueroa St., Los Angeles 37, Calif.
 Melco Products, Inc., 22 E. Hennepin Ave., Minneapolis 1, Minn.
 Mellaphone Corp., Rochester 2, N. Y.
MODEL RECTIFIER CORP., 127 Atlantic Ave., Oceanside, L. I., N. Y. SEE ADV. PG. 186.
RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
 Rectifier Engineering Co., 1803 E. Seventh St., Los Angeles 21, Calif.
 Richardson Allen Corp., 15 W. 20th St., New York 11, N. Y.
 Schauer Machine Co., Cincinnati 2, Ohio
 Sorgel Electric Co., 838 W. National Ave., Milwaukee 4, Wis.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
STANDARD TRANSFORMER CORP., Elston, Kedzie & Addison, Chicago 18, Ill. SEE ADV. PG. 207.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Ther Electric & Machine Works, 17 S. Jefferson St., Chicago, Ill.
VICKERS ELECTRIC DIV., Vickers, Inc., 1815 Locust St., St. Louis 3, Mo. SEE ADV. PG. 194.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Xervac Instrument Co., 101 Vine St., Hartford 5, Conn.

RECTIFIERS—Tube Rectifying Units

American Communications Corp., 306 Broadway, New York 7, N. Y.
 Amperex Electronic Corp., 25 Washington St., Brooklyn 1, N. Y.
CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
 Columbus Electronics Corp., 229 S. Waverly St., Yonkers, N. Y.
 Electricoil Transformer Co., 421 Canal St., New York 13, N. Y.
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
 Electro Products Labs., Inc., 549 W. Randolph St., Chicago 6, Ill.
 Electron Equipment Corp., 917 Meridian Ave., South Pasadena, Calif.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
 Electronic Labs., Inc., 24 W. 24th St., Indianapolis 4, Ind.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Hercules Electric & Mfg. Co., Inc., 2500 Atlantic Ave., Brooklyn 7, N. Y.
 Industrial Electronics & Transformer Co., 1809 E. Slauson Ave., Los Angeles 11, Calif.
 Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
MACHLETT LABORATORIES, Springdale, Conn. SEE ADV. PG. 147.
 McColpin-Christie Corp., 4922 S. Figueroa St., Los Angeles 37, Calif.
 Melco Products, Inc., 22 E. Hennepin Ave., Minneapolis 1, Minn.
 Mellaphone Corp., Rochester 2, N. Y.
 Nothelfer Winding Labs., 9 Albemarle Ave., Trenton 3, N. J.
 Power Equipment Co., 55 Antoinette St., Detroit 2, Mich.
 Press Wireless Mfg. Co., Inc., Cantigue Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Rectifier Engineering Co., 1803 E. Seventh St., Los Angeles 21, Calif.

Richardson Allen Corp., 15 W. 20th St., New York 11, N. Y.
 Sorgel Electric Co., 838 W. National Ave., Milwaukee 4, Wis.
 Special Chemicals Corp., 30 Irving Pl., New York 3, N. Y.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
STANDARD TRANSFORMER CORP., Elston, Kedzie & Addison, Chicago 18, Ill. SEE ADV. PG. 207.
SYLVANIA ELECTRIC PRODUCTS INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Ther Electric & Machine Works, 17 S. Jefferson St., Chicago, Ill.
 Transmitter Equipment Co., Inc., 345 Hudson Street, New York 14, N. Y.
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.
 Weltron Co., 19500 West 8 Mile Rd., Detroit 19, Mich.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

REGISTERS—Impulse

Cyclotron Specialties Co., Moraga 8, Calif.

REGULATORS—Current

American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Edison, Inc., Thomas A., Instrument Div., West Orange, N. J.
 Electric Regulator Corp., 1938 Park Ave., New York 35, N. Y.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Industrial Electronics & Transformer Co., 1809 E. Slauson Ave., Los Angeles 11, Calif.
 Power Equipment Co., 55 Antoinette St., Detroit 2, Mich.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Sola Electric Co., 4633 W. 16th St., Chicago 50, Ill.
SORENSEN & CO., INC., 375 Fairfield Ave., Stamford, Conn. SEE ADV. PG. 211.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
 Weltron Co., 19500 West 8 Mile Rd., Detroit 19, Mich.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

REGULATORS—Frequency

American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Burlington Instrument Co., Burlington, Iowa
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Electric Regulator Corp., 1938 Park Ave., New York 35, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Gaveco Labs., Inc., 2 East End Ave., New York 21, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Industrial Electronics & Transformer Co., 1809 E. Slauson Ave., Los Angeles 11, Calif.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197 Inside Back and Back Covers.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
ROBINETTE CO., W. C., 802 Fair Oaks Ave., S. Pasadena, Calif. SEE ADV. PG. 204.

REGULATORS—Voltage Regulators and Stabilizers

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 Airpax Products Co., 1024 Greenmount Ave., Baltimore 2, Md.
 American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
AMERICAN TRANSFORMER CO., 178 Emmett St., Newark, N. J. SEE ADV. PG. 116.
 Amplifier Corp of America, 396 Broadway, New York 13, N. Y.
BENDIX AVIATION CORP., Red Bank Div., Red Bank, N. J. SEE ADV. PGS. 22, 23.
 Burlington Instrument Co., Burlington, Iowa
CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
 Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Electric Regulator Corp., 1938 Park Ave., New York 35, N. Y.
 Electro Engrg. Works, 6021 College Ave., Oakland 18, Calif.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Gates Radio Co., Quincy, Ill.
 Gaveco Labs., Inc., 2 East End Ave., New York 21, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hastings Instrument Co., Box 1275, Hampton, Va.
 Inductive Equipment Co., Gettysburg, Pa.
 Industrial Electronics & Transformer Co., 1809 E. Slauson Ave., Los Angeles 11, Calif.
LAMBDA ELECTRONICS CORP., 103-02 Northern Blvd., Corona, N. Y. SEE ADV. PG. 177.
 Power Equipment Co., 55 Antoinette St., Detroit 2, Mich.
 R. B. M. Div., Essex Wire Corp., Logansport, Ind.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Reliance Instrument Co., 3027 W. Van Buren St., Chicago 12, Ill.
 Richardson Allen Corp., 15 W. 20th St., New York 11, N. Y.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 Sola Electric Co., 4633 W. 16th St., Chicago 50, Ill.
SORENSEN & CO., INC., 375 Fairfield Ave., Stamford, Conn. SEE ADV. PG. 211.
 SOS Cinema Supply Co., 602 W. 52nd St., New York 19, N. Y.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
SUPERIOR ELECTRIC CO., THE, 83 Laurel St., Bristol, Conn. SEE ADV. PGS. 142, 143.
 Teletronics Laboratory, Inc., 352 Maple Ave., Westbury, L. I., N. Y.
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.
VICKERS ELECTRIC DIV., Vickers, Inc., 1815 Locust St., St. Louis 3, Mo. SEE ADV. PG. 194.
 Weltron Co., 19500 West 8 Mile Rd., Detroit 19, Mich.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

NOTE:

Throughout all relay listings:
 (h) indicates hermetically sealed types

RELAYS—Aircraft Type

ADVANCE ELECTRIC & RELAY CO., 1260 W. Second St., Los Angeles, Calif. SEE ADV. PG. 174. (h)
 Aircraft Radio Corp., Boonton, N. J.
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.
 American Relay & Controls, Inc., 4900 W. Flournoy St., Chicago 44, Ill. (h)
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
BENDIX AVIATION CORP., Red Bank Div., Red Bank, N. J. SEE ADV. PGS. 22, 23.
CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill. (h)
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Hartman Electrical Mfg. Co., 175 N. Diamond St., Mansfield, Ohio
 Kurman Electric Co., Inc., 35-18 37th St., L. I., City 1, N. Y.
 Leach Relay Co., Inc., 5915 Avalon Blvd., Los Angeles 3, Calif.
 O'Connor & Co., John T., West Orange, N. J.
PHILLIPS CONTROL CORP., 84 W. Jefferson St., Joliet, Ill. SEE ADV. PG. 164.
POTTER & BRUMFIELD SALES CO., 549 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 42.
SIGMA INSTRUMENTS, INC., 80 Ceylon St., Boston 22, Mass. SEE ADV. PG. 145. (h)
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Stevens-Arnold Inc., 22 Elkin St., S. Boston, Mass. (h)
 Struthers-Dunn, Inc., 150 N. 13th Street, Philadelphia 17, Pa. (h)
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151 (h)

RELAYS—Capacitance Operated

BROWNING LABS., INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill. (h)
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
 Fielden Electronics Inc., 1171 New York Ave., Huntington Station, N. Y.
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.

RELAYS—Coaxial

ADVANCE ELECTRIC & RELAY CO., 1260 W. Second St., Los Angeles, Calif. SEE ADV. PG. 174. (h)
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
 Industrial Prods. Co., Danbury, Conn.
 Press Wireless Mfg. Co., Inc., Cantigue Rd., Hicksville, L. I., N. Y.
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)

RELAYS—d'Arsonval

Assembly Products, Inc., Chagrin Falls 6, Ohio
 Edison Inc., Thomas A., Instrument Div., West Orange, N. J. (h)
 Electric Design & Mfg. Corp., Burlington, Iowa
 Esterline-Angus Co., Inc., P.O. Box 596, Indianapolis, Ind.

GENERAL ELECTRIC CO., Schenectady, N. Y. SEE ADV. PGS. 5-18. (h)
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
 Triplett Electrical Instrument Co., 286 Harmon Road, Bluffton, Ohio
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

RELAYS—Differential

ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 Automatic Switch Co., 391 Lakeside Ave., Orange, N. J.
 Barber-Colman Co., Rockford, Ill.
 CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill. (h)
 Ebert Engineering & Mfg. Co., 185-09 Jamaica Ave., Hollis 7, N. Y.
 Edison Inc., Thomas A., Instrument Div., West Orange, N. J. (h)
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass.
 GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Hartman Electrical Mfg. Co., 175 N. Diamond St., Mansfield, Ohio
 Kurman Electric Co., Inc., 35-18 37th St., L. I. City 1, N. Y.
 O'Connor & Co., John T., West Orange, N. J.
 SIGMA INSTRUMENTS, INC., 80 Ceylon St., Boston 22, Mass. SEE ADV. PG. 145. (h)
 SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

RELAYS—Electronic Current

ADVANCE ELECTRIC & RELAY CO., 1260 W. Second St., Los Angeles, Calif. SEE ADV. PG. 174. (h)
 Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 American Relay & Controls, Inc., 4900 W. Flournoy St., Chicago 44, Ill. (h)
 Automatic Electric Sales Co., 1033 W. Van Buren St., Chicago 7, Ill.
 Automatic Temperature Control Co., Inc., 5212 Pulaski Ave., Philadelphia 44, Pa.
 Barber-Colman Co., River & Loomis Sts., Rockford, Ill.
 Central Scientific Co., 1700 Irving Park Road, Chicago 13, Ill.
 CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill. (h)
 Corona Engineering Service, 94-52 Corona Ave., Elmhurst, N. Y.
 ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
 Fischer Scientific Co., 717 Forbes St., Pittsburgh 19, Pa.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass.
 GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Lumenite Electric Co., 407 So. Dearborn St., Chicago 5, Ill.
 Mack Electrical Devices Inc., 43 Glenside Ave., Wyncote, Pa. (h)

Manning, Maxwell & Moore, Inc., 11 Elias St., Bridgeport 2, Conn.
 Nurnberg Thermometer Co., Inc., 4 Corey St., Boston 32, Mass.
 O'Connor & Co., John T., West Orange, N. J.
 PHILLIPS CONTROL CORP., 84 W. Jefferson St., Joliet, Ill. SEE ADV. PG. 164.
 Price Electric Corp., East Church and 2nd Sts., Frederick, Md.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th Street, New York, N. Y. SEE ADV. PG. 223.
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Stevens-Arnold, Inc., 22 Elkins St., South Boston, Mass. (h)
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
 TUNG-SOL LAMP WORKS, INC., 95 Eighth Ave., Newark 4, N. J. SEE ADV. PG. 75.

RELAYS—Frequency Selective

Control Corp., 718 Central Ave., Minneapolis 14, Minn.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Stevens-Arnold, Inc., 22 Elkins St., Boston, Mass. (h)
 Wallace & Tiernan Products, Inc., Belleville 9, N. J.
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

RELAYS—General Purpose

ADAMS & WESTLAKE CO., Michigan St., Elkhart, Ind. SEE ADV. PGS. 76, 77. (h)
 ADVANCE ELECTRIC & RELAY CO., 1260 W. Second St., Los Angeles, Calif. SEE ADV. PG. 174. (h)
 ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 American Relay & Controls, Inc., 4900 W. Flournoy St., Chicago 44, Ill. (h)
 Autocall Co., The, Shelby, Ohio
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 Automatic Signal Div., Eastern Industries, Inc., 100 Regent St., East Norwalk, Conn.
 Automatic Switch Co., 391 Lakeside Ave., Orange, N. J.
 Bunnell & Co., J. H., 215 Fulton St., New York, N. Y.
 CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Clark Controller Co., 1146 E. 152nd St., Cleveland 10, Ohio
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill. (h)
 Davis & Co., Dean W., Kentland, Ind.
 FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass.
 Gordon Specialties Co., 542 S. Dearborn St., Chicago 5, Ill.
 Grayhill, 1 N. Pulaski Rd., Chicago 24, Ill.
 GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Kurman Electric Co., 35-18 37th St., Long Island City 1, N. Y.
 Leach Relay Co., 5915 Avalon Blvd., Los Angeles 3, Calif.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
 North Electric Mfg. Co., 501 S. Market St., Galion, Ohio
 PHILLIPS CONTROL CORP., 84 W. Jefferson St., Joliet, Ill. SEE ADV. PG. 164.
 POTTER & BRUMFIELD SALES CO., 549 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 42.
 R. B. M. Div., Essex Wire Corp., Logansport, Ind. (h)

SIGMA INSTRUMENTS, INC., 80 Ceylon St., Boston 22, Mass. SEE ADV. PG. 145. (h)
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
 WARD LEONARD ELECTRIC CO., 31 South Street, Mt. Vernon, N. Y. SEE ADV. PG. 151. (h)
 Warrick Co., Chas. F., 16251 Hamilton Ave., Detroit 3, Mich.
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

RELAYS—Impulse

ADVANCE ELECTRIC & RELAY CO., 1260 W. Second Street, Los Angeles, Calif. SEE ADV. PG. 174. (h)
 ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 Autocall Co., The, Shelby, Ohio (h)
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill. (h)
 FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Gates Radio Co., Quincy, Ill.
 GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Kurman Electric Co., Inc., 35-18 37 St. Long Island City 1, N. Y. (h)
 O'Connor, John T. & Co., West Orange, N. J.
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Zenith Electric Co., 152 W. Walton St., Chicago 10, Ill.

RELAYS—Industrial Control

ADAMS & WESTLAKE CO., Michigan St., Elkhart, Ind. SEE ADV. PGS. 76, 77. (h)
 ADVANCE ELECTRIC & RELAY CO., 1260 W. Second St., Los Angeles, Calif. SEE ADV. PG. 174. (h)
 Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wisconsin
 ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 American Relay & Control, Inc., 4900 W. Flournoy St., Chicago 44, Ill. (h)
 Autocall Co., The, Shelby, Ohio
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 Automatic Switch Co., 391 Lakeside Ave., Orange, N. J.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Clark Controller Co., 1146 E. 152nd St., Cleveland 10, Ohio
 Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wisc.
 Ebert Engineering & Mfg. Co., 185-09 Jamaica Ave., Hollis 7, New York
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Federal Electric Products Company, 50 Paris St., Newark, N. J.
 FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

General Controls Co., Glendale 1, Calif.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
 Leach Relay Co., 5915 Avalon Blvd., Los Angeles 3, Calif.
 Mack Electrical Devices Inc., 43 Glenside Ave., Wyncote, Pa. (h)
 Magnavox Co., The, Components Div., Fort Wayne 4, Ind.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
 Niagara Electron Laboratories, Andover, New York.
 Nurnberg Thermometer Co., Inc., 4 Corey St., Boston 32, Mass.
 O'Connor & Co., John T., West Orange, N. J.
POTTER & BRUMFIELD SALES CO., 549 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 42.
PHILLIPS CONTROL CORP., 84 W. Jefferson St., Joliet, Ill. SEE ADV. PG. 164.
 R. B. M. Div., Essex Wire Corp., Logansport, Ind. (h)
SIGMA INSTRUMENTS, INC., 80 Ceylon St., Boston 22, Mass. SEE ADV. PG. 145. (h)
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Steel Co., Herman D., Lafayette Bldg., Phila 6, Pa.
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151. (h)
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

RELAYS—Instrument

ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.
 American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 American Relay & Controls Inc., 4900 W. Flournoy St., Chicago 44, Ill. (h)
 Assembly Products, Inc., Chagrin Falls 6, Ohio
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Bunnel & Co., J. H., 215 Fulton St., New York, N. Y.
 Ebert Engineering & Mfg. Co., 185-09 Jamaica Ave., Hollis 7, N. Y.
 Electric Design & Mfg. Corp., Burlington, Iowa
 Fielden Electronics Inc., 1171 New York Ave., Huntington Station, N. Y.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
 Mack Electrical Devices Inc., 43 Glenside Ave., Wyncote, Pa. (h)
 Manning, Maxwell & Moore, Inc., 11 Elias St., Bridgeport 2, Conn.
 Nurnberg Thermometer Co., Inc., 4 Corey St., Boston 32, Mass.
PHILLIPS CONTROL CORP., 84 W. Jefferson St., Joliet, Ill. SEE ADV. PG. 164.
POTTER & BRUMFIELD SALES CO., 549 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 42.
 Roller-Smith, Bethlehem, Pa.
SIGMA INSTRUMENTS, INC., 80 Ceylon St., Boston 22, Mass. SEE ADV. PG. 145. (h)
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
 Triplett Electrical Instrument Co., 286-Harmon Rd., Bluffton, Ohio

RELAYS—Keying and Break-In

ADVANCE ELECTRIC & RELAY CO., 1260 W. Second St., Los Angeles, Calif. SEE ADV. PG. 174. (h)
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.

CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill. (h)
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass.
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y. (h)
 Leach Relay Co., Inc., 5915 Avalon Blvd., Los Angeles 3, Calif.
PHILLIPS CONTROL CORP., 84 W. Jefferson St., Joliet, Ill. SEE ADV. PG. 164.
POTTER & BRUMFIELD SALES CO., 549 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 42.
SIGMA INSTRUMENTS, INC., 80 Ceylon St., Boston 22, Mass. SEE ADV. PG. 145. (h)
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Stevens-Arnold, Inc., 22 Elkins St., South Boston, Mass. (h)
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151. (h)

RELAYS—Latching

ADVANCE ELECTRIC & RELAY CO., 1260 W. Second St., Los Angeles, Calif. SEE ADV. PG. 174. (h)
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 Autocall Co., The, Shelby, Ohio
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 Automatic Switch Co., 391 Lakeside Ave., Orange, N. J.
CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Clark Controller Co., 1146 E. 152nd St., Cleveland 10, Ohio
 Control Corp., 718 Central Ave., Minneapolis 14, Minn.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill. (h)
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass. (h)
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y. (h)
 Leach Relay Co., Inc., 5915 Avalon Blvd., Los Angeles 3, Calif.
 North Electric Mfg. Co., 501 S. Market St., Galion, Ohio
PHILLIPS CONTROL CORP., 84 W. Jefferson St., Joliet, Ill. SEE ADV. PG. 164.
POTTER & BRUMFIELD SALES CO., 549 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 42.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 R. B. M. Division, Essex Wire Corporation, Logansport, Ind. (h)
SIGMA INSTRUMENTS, INC., 80 Ceylon St., Boston 22, Mass. SEE ADV. PG. 145. (h)
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151. (h)

RELAYS—Mercury

ADAMS & WESTLAKE CO., Michigan St., Elkhart, Ind. SEE ADV. PGS. 76, 77.
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.

Autocall Co., The, Shelby, Ohio
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Ebert Engineering & Mfg. Co., 185-09 Jamaica Ave., Hollis 7, N. Y. (h)
 Mack Electrical Devices Inc., 43 Glenside Ave., Wyncote, Pa. (h)
POTTER & BRUMFIELD SALES CO., 549 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 42.
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

RELAYS—Multipole

ADVANCE ELECTRIC & RELAY CO., 1260 W. Second St., Los Angeles, Calif. SEE ADV. PG. 174. (h)
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 American Relay & Controls, Inc., 4900 W. Flournoy St., Chicago 44, Ill. (h)
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Clark Controller Co., 1146 E. 152nd St., Cleveland 10, Ohio
 Ebert Engineering & Mfg. Co., 185-09 Jamaica Ave., Hollis 7, N. Y.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Leach Relay Co., 5915 Avalon Blvd., Los Angeles 3, Calif.
PHILLIPS CONTROL CORP., 84 W. Jefferson St., Joliet, Ill. SEE ADV. PG. 164.
POTTER & BRUMFIELD SALES CO., 549 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 42.
 R. B. M. Div., Essex Wire Corp., Logansport, Ind. (h)
 Reister Mfg. Co., Hagerstown, Md.
SIGMA INSTRUMENTS, INC., 80 Ceylon St., Boston 22, Mass. SEE ADV. PG. 145. (h)
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Stevens-Arnold Inc., 22 Elkins St., S. Boston, Mass. (h)
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151. (h)
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

RELAYS—Overload and Underload

ADAMS & WESTLAKE CO., Michigan St., Elkhart Ind. SEE ADV. PGS. 76, 77. (h)
ADVANCE ELECTRIC & RELAY CO., 1260 W. Second St., Los Angeles, Calif. SEE ADV. PG. 174. (h)
 Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wis.
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 American Relay & Controls, Inc., 4900 W. Flournoy St., Chicago 44, Ill. (h)
 Assembly Products, Inc., Chagrin Falls 6, Ohio.
BENDIX AVIATION CORP., Red Bank Div., Red Bank, N. J. SEE ADV. PGS. 22, 23.
 Clark Controller Co., 1146 E. 152nd St., Cleveland 10, Ohio
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill. (h)
 Cutler-Hammer, Inc., 315 N. 12th St., Milwaukee 1, Wis.

Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Edison, Inc., Thomas A., Instrument Div., West Orange, N. J. (h)
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Hartman Electrical Mfg. Co., 175 N. Diamond St., Mansfield, Ohio
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
 Leach Relay Co., 5915 Avalon Blvd., Los Angeles 3, Calif.
 Mack Electrical Devices, Inc., 43 Glenside Ave., Wyncote, Pa. (h)
SIGMA INSTRUMENTS, INC., 80 Ceylon St., Boston 22, Mass. SEE ADV. PG. 145. (h)
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Spencer Thermostat Co., 34 Forest St., Attleboro, Mass.
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151. (h)
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

RELAYS—Photoelectric

ADVANCE ELECTRIC & RELAY CO., 1260 W. Second St., Los Angeles, Calif. SEE ADV. PG. 174. (h)
 Airlectron, P. O. Box 151, Caldwell, N. J.
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 American Scientific Co., P. O. Box 1, Highbridge Station, New York 52, N. Y.
 Autotron Co., The, Danville, Ill.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill. (h)
 Eby, Inc., Hugh H., 4700 Stenton Ave., Philadelphia 44, Pa.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Electronic Mechanical Products Co., 13-15-17 N. Virginia Ave., Atlantic City, N. J.
 Electronic Products Co., St. Charles, Ill.
 Ess Instrument Co., 96 So. Washington Ave., Bergenfield, N. J.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Lumenite Electric Co., 407 So. Dearborn St., Chicago 5, Ill.
 Mettler Co., Lee B., 406 S. Main St., Los Angeles 13, Calif.
 O'Connor & Co., John T., West Orange, N. J.
PHILLIPS CONTROL CORP., 84 W. Jefferson St., Joliet, Ill. SEE ADV. PG. 164.
 Photobell Co., 116 Nassau St., New York 7, N. Y.
POTTER & BRUMFIELD SALES CO., 549 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 42.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Special Products Co., Silver Spring, Md.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

RELAYS—Plate Circuit

ADAMS & WESTLAKE CO., Michigan St., Elkhart, Ind. SEE ADV. PGS. 76, 77.
ADVANCE ELECTRIC & RELAY CO., 1260 W. Second St., Los Angeles, Calif. SEE ADV. PG. 174. (h)
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 American Relay & Controls, Inc., 4900 W. Flournoy St., Chicago 44, Ill. (h)
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PGS. 22, 23.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill. (h)
 Federal Instrument Corp., 14-02 Broadway, Long Island City 2, N. Y.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
 Leach Relay Co., 5915 Avalon Blvd., Los Angeles 3, Calif.
POTTER & BRUMFIELD SALES CO., 549 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 42.
 R. B. M. Div., Essex Wire Corp., Logansport, Ind. (h)
SIGMA INSTRUMENTS, INC., 80 Ceylon St., Boston 22, Mass. SEE ADV. PG. 145. (h)
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Stevens-Arnold Inc., 22 Elkins St., S. Boston, Mass. (h)
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151. (h)
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

RELAYS—Polarized

Airpax Products Co., 1024 Greenmount Ave., Baltimore 2, Md.
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 Barber Colman Co., Rockford, Ill.
 Edison, Inc., Thomas A., Instrument Div., West Orange, N. J. (h)
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass. (h)
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
 Hartman Electrical Mfg. Co., 175 N. Diamond St., Mansfield, Ohio
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill. (h)
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y. (h)
 Magnetic Devices, Inc., Frederick, Md.
SIGMA INSTRUMENTS, INC., 80 Ceylon St., Boston 22, Mass. SEE ADV. PG. 145. (h)
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Stevens Arnold, Inc., 22 Elkins St., South Boston, Mass. (h)
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

RELAYS—Power

ADAMS & WESTLAKE CO., Michigan St., Elkhart, Ind. SEE ADV. PGS. 76, 77.
ADVANCE ELECTRIC & RELAY CO., 1260 W. Second St., Los Angeles, Calif. SEE ADV. PG. 174. (h)
 Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wisc.
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 American Relay & Controls, Inc., 4900 W. Flournoy St., Chicago 44, Ill. (h)
 Clark Controller Co., 1146 E. 152nd St., Cleveland 10, Ohio
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill. (h)
 Detect-O-Ray Co., 2622 N. Halsted St., Chicago 14, Ill.
 Ebert Engineering & Mfg. Co., 185-09 Jamaica Ave., Hollis 7, N. Y.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
 Mack Electrical Devices Inc., 43 Glenside Ave., Wyncote, Pa. (h)
 Magnetic Devices, Inc., 712 East St., Frederick, Md.
PHILLIPS CONTROL CORP., 84 W. Jefferson St., Joliet, Ill. SEE ADV. PG. 164.
POTTER & BRUMFIELD SALES CO., 549 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 42.
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151. (h)
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

RELAYS—Rotary

ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 Autocall Co., The, Shelby, Ohio
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Leland, Inc., G. H., 123 Webster St., Dayton 2, Ohio
 Magnetic Devices, Inc., 712 East St., Frederick, Md. (h)
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

RELAYS—Sensitive Control

ADAMS & WESTLAKE CO., Michigan St., Elkhart, Ind. SEE ADV. PGS. 76, 77.
ADVANCE ELECTRIC & RELAY CO., 1260 W. Second St., Los Angeles, Calif. SEE ADV. PG. 174. (h)
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 American Relay & Controls, Inc., 4900 W. Flournoy St., Chicago 44, Ill. (h)
 Autocall Co., The, Shelby, Ohio
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 Automatic Switch Co., 391 Lakeside Ave., Orange, N. J.
 Automatic Temperature Control Co., Inc., 5212 Pulaski Ave., Philadelphia 44, Pa.
 Barber Colman Co., Rockford, Ill.
CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill. (h)

Ebert Engineering & Mfg. Co., 185-09 Jamaica Ave., Hollis 7, N. Y.
 Edison, Inc., Thomas A., Instrument Div., West Orange, N. J. (h)
 Ess Instrument Co., 96 So. Washington Ave., Bergenfield, N. J.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 22, Mass. (h)
 General Controls Co., Glendale 1, Calif.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y. (h)
 Leach Relay Co., 5915 Avalon Blvd., Los Angeles 3, Calif.
 Leland, Inc., G. H., 123 Webster St., Dayton 2, Ohio
 Magnetic Devices, Inc., 712 East St., Frederick, Md.
PHILLIPS CONTROL CORP., 84 W. Jefferson St., Joliet, Ill. SEE ADV. PG. 164.
POTTER & BRUMFIELD SALES CO., 549 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 42.
SIGMA INSTRUMENTS, INC., 80 Ceylon St., Boston 22, Mass. SEE ADV. PG. 145. (h)
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Stevens-Arnold Inc., 22 Elkins St., S. Boston, Mass. (h)
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

RELAYS—Sequence

ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Clark Controller Co., 1146 E. 152nd St., Cleveland 10, Ohio
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill. (h)
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
PHILLIPS CONTROL CORP., 84 W. Jefferson St., Joliet, Ill. SEE ADV. PG. 164.
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

RELAYS—Telephone

ADAMS & WESTLAKE CO., Michigan St., Elkhart, Ind. SEE ADV. PGS. 76, 77. (h)
ADVANCE ELECTRIC & RELAY CO., 1260 W. Second St., Los Angeles, Calif. SEE ADV. PG. 174. (h)
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 American Relay & Controls, Inc., 4900 W. Flournoy St., Chicago 44, Ill. (h)
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill. (h)
 Bunnell & Co., J. H., 215 Fulton St., New York, N. Y.
CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Control Corp., 718 Central Ave., Minneapolis 14, Minn.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill. (h)
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y. (h)
 North Electric Mfg. Co., 501 S. Market St., Galion, Ohio
PHILLIPS CONTROL CORP., 84 W. Jefferson St., Joliet, Ill. SEE ADV. PG. 164.
POTTER & BRUMFIELD SALES CO., 549 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 42.
 R. B. M. Div., Essex Wire Corp., Logansport, Ind. (h)
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

RELAYS—Snap-Action

ADAMS & WESTLAKE CO., Michigan St., Elkhart, Ind. SEE ADV. PGS. 76, 77. (h)
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 American Relay & Controls, Inc., 4900 W. Flournoy St., Chicago 44, Ill. (h)
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill. (h)
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
 Leach Relay Co., 5915 Avalon Blvd., Los Angeles 3, Calif.
 Leland, Inc., G. H., 123 Webster St., Dayton 2, Ohio
 Mack Electrical Devices, Inc., 43 Glenside Ave., Wyncote, Pa. (h)
 McQuay-Norris Mfg. Co., 2320 Marconi Ave., St. Louis 10, Mo.
PHILLIPS CONTROL CORP., 84 W. Jefferson St., Joliet, Ill. SEE ADV. PG. 164.
POTTER & BRUMFIELD SALES CO., 549 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 42.
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Stevens-Arnold, Inc., 22 Elkins St., South Boston, Mass. (h)
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
TUNG-SOL LAMP WORKS INC., 95 Eighth Ave., Newark 4, N. J. SEE ADV. PG. 75.

RELAYS—Temperature Compensated

Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 22, Mass. (h)
 Hartman Electrical Mfg. Co., 175 N. Diamond St., Mansfield, Ohio
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
 Mack Electrical Devices Inc., 43 Glenside Ave., Wyncote, Pa. (h)
SIGMA INSTRUMENTS, INC., 80 Ceylon St., Boston 22, Mass. SEE ADV. PG. 145. (h)
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151. (h)

RELAYS—Stepping

ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.
 Autocall Co., The, Shelby, Ohio
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Collins Radio Co., Cedar Rapids, Iowa
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill. (h)
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Leland, Inc., G. H., 123 Webster St., Dayton 2, Ohio
 North Electric Mfg. Co., 501 S. Market St., Galion, Ohio
SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)

RELAYS—Time Delay

ADAMS & WESTLAKE CO., Michigan St., Elkhart, Ind. SEE ADV. PGS. 76, 77.
ADVANCE ELECTRIC & RELAY CO., 1260 W. Second St., Los Angeles, Calif. SEE ADV. PG. 174. (h)
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
AMERICAN GAS ACCUMULATOR CO., 1029 Newark Ave., Elizabeth, N. J. SEE ADV. PG. 196.
 American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 American Relay & Controls, Inc., 4900 W. Flournoy St., Chicago 44, Ill. (h)
AMPERITE CO., 561 Broadway, New York 12, N. Y. SEE ADV. PG. 90. (h)
 Autocall Co., The, Shelby, Ohio
 Automatic Electric Sales Co., 1033 W. Van Buren St., Chicago 7, Ill.
 Automatic Temperature Control Co., Inc., 5212 Pulaski Ave., Philadelphia 44, Pa.

RELAYS—Shock-Resisting

ADVANCE ELECTRIC & RELAY CO., 1260 W. Second St., Los Angeles, Calif. SEE ADV. PG. 174. (h)
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 American Relay & Controls, Inc., 4900 W. Flournoy St., Chicago 44, Ill. (h)
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 Automatic Switch Co., 391 Lakeside Ave., Orange, N. J.
CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 22, Mass.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)

CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Clark Controller Co., 1146 E. 152nd St., Cleveland, Ohio
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 CRAMER CO., INC., R. W., Centerbrook, Conn. SEE ADV. PG. 99.
 Eagle Signal Corp., Moline, Ill.
 Ebert Engineering & Mfg. Co., 185-09 Jamaica Ave., Hollis 7, N. Y.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teeterboro, N. J.
 Edison, Inc., Thomas A., Instrument Div., West Orange, N. J. (h)
 Electric Auto-Lite Co., The, Toledo 1, Ohio
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 22, Mass.
 GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
 GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Hartman Electrical Mfg. Co., 175 N. Diamond St., Mansfield, Ohio
 Haydon Co., A. W., The, 111 W. Main St., Waterbury 32, Conn.
 HAYDON MFG. CO., INC., 584 E. Elm St., Torrington, Conn. SEE ADV. PGS. 68, 69.
 HEINEMANN ELECTRIC CO., 97 Plum St., Trenton 2, N. J. SEE ADV. PG. 37.
 Industrial Timer Corp., 115 Edison Pl., Newark 5, N. J.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
 Leach Relay Co., 5915 Avalon Blvd., Los Angeles 3, Calif.
 Lektra Labs., 30 E. 10th St., New York, N. Y.
 Lumenite Electric Co., 407 S. Dearborn St., Chicago 5, Ill.
 Mellaphone Corp., Rochester 2, N. Y.
 North Electric Mfg. Co., 501 S. Market St., Galion, Ohio
 O'Connor & Co., John T., West Orange, N. J.
 Paragon Electric Co., Two Rivers, Wis.
 PHILLIPS CONTROL CORP., 84 W. Jefferson St., Joliet, Ill. SEE ADV. PG. 164.
 Reynolds Electric Co., 2650 W. Congress St., Chicago 12, Ill.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 SIGMA INSTRUMENTS, INC., 80 Ceylon St., Boston 22, Mass. SEE ADV. PG. 145. (h)
 SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Spencer Thermostat Co., 34 Forest St., Attleboro, Mass.
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
 Thermo Labs, Inc., 355 W. 26th St., New York 1, N. Y.
 Ulanet Co., George, 413 Market St., Newark 5, N. J.
 WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151. (h)
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

RELAYS—Transfer

ADAMS & WESTLAKE CO., Michigan St., Elkhart, Ind. See ADV. PGS. 76, 77.
 ADVANCE ELECTRIC & RELAY CO., 1260 W. Second St., Los Angeles, Calif. SEE ADV. PG. 174. (h)
 ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35. (h)
 American Relay & Controls, Inc., 4900 W. Flournoy St., Chicago 44, Ill. (h)
 Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind.
 Autocall Co., The, Shelby, Ohio 115.

Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 Automatic Switch Co., 391 Lakeside Ave., Orange, N. J.
 CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123. (h)
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
 Leach Relay Co., 5915 Avalon Blvd., Los Angeles 3, Calif.
 PHILLIPS CONTROL CORP., 84 W. Jefferson St., Joliet, Ill. SEE ADV. PG. 164.
 SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Stevens-Arnold Inc., 22 Elkins St., S. Boston, Mass. (h)
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
 WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151. (h)

RELAYS—Vacuum Contact

American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 Ebert Engineering & Mfg. Co., 185-09 Jamaica Ave., Hollis 7, N. Y.
 Eitel-McCullough, Inc., San Bruno, Calif.
 Flowmeter Corp. of America, High Falls, N. Y. (h)
 JENNINGS RADIO MFG. CO., 1098 E. William St., San Jose 12, Calif. SEE ADV. PGS. 158, 159.
 Mack Electrical Devices, Inc., 43 Glenside Ave., Wyncote, Pa. (h)
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa. (h)
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

RELAYS—Vibrating Reed Type

Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 Biddle Co., James G., 1316 Arch St., Philadelphia 7, Pa.
 Control Corp., 718 Central Ave., Minneapolis 14, Minn.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
 Motorola, Inc., 4545 W. Augusta Blvd., Chicago, 51, Ill.
 Stevens-Arnold, Inc., 22 Elkins St., South Boston, Mass. (h)

RESINS

See Insulating Compounds

RESISTANCE SPECIALTIES

Acheson Colloids Corp., Port Huron, Mich.
 BALLANTINE LABS., INC., Boonton, N. J. SEE ADV. PG. 134.
 BIRD ELECTRONIC CORP., 1800 E. 38th St., Cleveland 14, Ohio. SEE ADV. PG. 217.
 BOND ELECTRONICS CORP., 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.
 Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon
 Carborundum Co., The, Global Div., Niagara Falls, N. Y.
 CENTRALAB, Div., Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.
 Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.
 Conant Labs., 6500 O St., Lincoln 5, Neb.
 Continental Carbon, Inc., 13900 Lorain Ave., Cleveland 11, Ohio
 Daven Co., 191 Central Ave., Newark 4, N. J.
 ERIE RESISTOR CORP., 644 W. 12th St., Erie Pa. SEE ADV. PG. 109.
 GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114,

HELIPOT CORP., 1011 Mission St., So. Pasadena, Calif. SEE ADV. PG. 25.
 INSTRUMENT RESISTORS CO., 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
 Keystone Carbon Co., Inc., Saint Marys, Pa.
 Milwaukee Resistor Co., 700 W. Virginia St., Milwaukee 4, Wis.
 Network Manufacturing Corp., Bayonne, N. J.
 Ohio Carbon Co., 12508 Barea Rd., Cleveland 11, Ohio
 OHMITE MFG. CO., 4835 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.
 Precision Resistor Co., 334 Badger Ave., Newark 8, N. J.
 Rubicon Co., 3751 Ridge Ave., Phila., Pa.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 States Co., 19 New Park Ave., Hartford 6, Conn.
 WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

RESISTOR BOARDS

See Boards, Resistor

RESISTORS—Ceramic

BOND ELECTRONICS CORP., 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.
 Carborundum Co., The, Global Div., Niagara Falls, N. Y.
 Electrical Refractories Co., 50 Clark St., East Palestine, Ohio
 Friez Instrument Div., Bendix Aviation Corp., Baltimore 4, Md.
 GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 INSTRUMENT RESISTORS CO., 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
 Milwaukee Resistor Co., 700 W. Virginia St., Milwaukee 4, Wis.
 WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151.
 Wilkor Products, Inc., 3835 W. 150th St., Cleveland 11, Ohio

RESISTORS—Fixed

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass.
 Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wis.
 Atlas Resistor Co., 423 Broome St., New York, N. Y.
 Avia Products Co., 7266 Beverly Blvd., Los Angeles 36, Calif.
 Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon
 Carborundum Co., The, Global Div., Niagara Falls, N. Y.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Continental Carbon, Inc., 13900 Lorain Ave., Cleveland, Ohio
 Daven Co., 191 Central Ave., Newark 4, N. J.
 ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109.
 Federal Instrument Corp., 14-02 Broadway, Long Island City 2, N. Y.
 GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Hardwick, Hindle Inc., 49 Hermon St., Newark, N. J.
 INSTRUMENT RESISTORS CO., 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
 INTERNATIONAL RESISTANCE CO., 401 N. Broad St., Philadelphia 8, Pa. SEE ADV. PGS. 20, 21.
 I-T-E CIRCUIT BREAKER CO., 19th & Hamilton Sts., Philadelphia 30, Pa. SEE ADV. PG. 229.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.

MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.

Mepco Inc., 37 Madison Ave., Morristown, N. J. Micamold Radio Corp., 1087 Flushing Ave., Brooklyn 6, N. Y.

Milwaukee Resistor Co., 700 W. Virginia St., Milwaukee 4, Wis.

Muter Co., 1255 S. Michigan Ave., Chicago, Ill.

Ohio Carbon Co., 12508 Berea Rd., Cleveland 11, Ohio

OHMITE MFG. CO., 4835 W. Flournoy St., Chicago, Ill. SEE ADV. PG. 201.

Precision Machine Works, Inc., 730 Lyndale Ave., N., Minneapolis 11, Minn.

Precision Resistor Co., 334 Badger Ave., Newark 8, N. J.

REX RHEOSTAT CO., 3 Foxhurst Rd., Baldwin, N. Y. SEE ADV. PG. 186.

Rubicon Co., 3751 Ridge Ave., Philadelphia, Pa. Schaefer Bros. Co., 1059 W. 11th St., Chicago, Ill.

Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.

Speer Resistor Corp., St. Marys, Pa. Sprague Electric Co., North Adams, Mass.

Stackpole Carbon Co., St. Marys, Pa. States Co., 19 New Park Ave., Hartford 6, Conn.

Sticht Co., Inc., Herman H., 27 Park Pl., New York 7, N. Y.

WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151.

Welwyn Electronic Components, Inc., 234 E. 46th St., New York 17, N. Y.

Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

WHITE DENTAL MFG. CO., S. S. Industrial Div., 10 E. 40th St., New York, N. Y. SEE ADV. PG. 191.

Wilkor Products, Inc., 3835 W. 150th St., Cleveland 11, Ohio

Wirt Co., 5221 Greene St., Philadelphia, Pa.

RESISTORS—Hermetically Sealed

BOND ELECTRONICS CORP., 88 Franklin Pl., Summit, N. J. SEE ADV. PG. 212.

Daven Co., 191 Central Ave., Newark 4, N. J. Federal Instrument Corp., 14-02 Broadway, Long Island City 2, N. Y.

Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.

INSTRUMENT RESISTORS CO., 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.

INTERNATIONAL RESISTANCE CO., 401 N. Broad St., Philadelphia 3, Pa. SEE ADV. PGS. 20, 21.

OHMITE MFG. CO., 4835 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.

Precision Resistor Co., 334 Badger Ave., Newark 8, N. J.

Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.

Sprague Electric Co., North Adams, Mass. Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

RESISTORS—High Megohm

BOND ELECTRONICS CORP., 88 Franklin Pl., Summit, N. J. SEE ADV. PG. 212.

Corning Glass Works, Corning, N. Y. Daven Co., 191 Central Ave., Newark 4, N. J.

Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.

INTERNATIONAL RESISTANCE CO., 401 N. Broad St., Philadelphia 8, Pa. SEE ADV. PGS. 20, 21.

Ohio Carbon Co., 12508 Berea Rd., Cleveland 11, Ohio

Precision Resistor Co., 334 Badger Ave., Newark 8, N. J.

Resistance Products Co., 714 Race St., Harrisburg, Pa.

Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.

Sprague Electric Co., North Adams, Mass.

VICTOREEN INSTRUMENT CO., 5806 Hough Ave., Cleveland 3, Ohio. SEE ADV. PG. 227.

Welwyn Electronic Components, Inc., 234 E. 46th St., New York 17, N. Y.

Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

WHITE DENTAL MFG. CO., S. S., Industrial Div., 10 E. 40th St., New York, N. Y. SEE ADV. PG. 191.

Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

RESISTORS—Precision Wire Wound

Amalgamated Electronics, Clinton Corners, N. Y. Associated Research, Inc., 3758 W. Belmont, Chicago 18, Ill.

BOND ELECTRONICS CORP., 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.

Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon

Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.

Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.

Continental Carbon Inc., 13900 Lorain Ave., Cleveland 11, Ohio

Daven Co., 191 Central Ave., Newark 4, N. J. Davis Electric Co., Cape Girardeau, Mo.

Federal Instrument Corp., 14-02 Broadway, Long Island City 2, N. Y.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114-115.

Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.

INSTRUMENT RESISTORS CO., 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.

INTERNATIONAL RESISTANCE CO., 401 N. Broad St., Philadelphia 8, Pa. SEE ADV. PGS. 20, 21.

Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.

Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.

Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.

Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.

MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.

Measurement Engineering Ltd., Arnprior, Ontario, Canada

Mepco, Inc., 37 Madison Ave., Morristown, N. J. Milwaukee Resistor Co., 700 W. Virginia St., Milwaukee 4, Wisc.

Model Engineering & Mfg., Inc., Huntington, Ind.

Network Manufacturing Corp., Bayonne, N. J. Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.

OHMITE MFG. CO., 4835 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.

Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.

Resistance Products Co., 714 Race St., Harrisburg, Pa.

Rubicon Co., 3751 Ridge Ave., Philadelphia, Pa. Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

Wilkor Products, Inc., 3835 W. 150th St., Cleveland 11, Ohio

Winslow Co., Inc., The, 9 Liberty St., Newark 5, N. J.

RESISTORS—Precision Wire Wound Potentiometer

Amalgamated Electronics, Clinton Corners, N. Y. Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Ore.

CENTRALAB, Div., Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.

Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.

Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.

Daven Co., 191 Central Ave., Newark 4, N. J. DeJur-Amsco Corp., Northern Blvd. at 45th St., Long Island City 1, N. Y.

Fairchild Camera & Instrument Corp., 88-06 Van Wyck Blvd., Jamaica 1, N. Y.

Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.

HELIPOT CORP., 1011 Mission St., So. Pasadena, Calif. SEE ADV. PG. 25.

INTERNATIONAL RESISTANCE CO., 401 N. Broad St., Philadelphia 8, Pa. SEE ADV. PGS. 20, 21.

Jarvis Electronics Corp., 6058 W. Fullerton Ave., Chicago 39, Ill.

Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.

National Technical Lab., 820 Mission St., So. Pasadena, Calif.

Rubicon Co., 3751 Ridge Ave., Philadelphia, Pa. Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.

Tech Laboratories, Inc., Bergen & Edsall Bldvs., Palisades Park, N. J.

Technology Instrument Corp., 1058 Main St., Waltham, Mass.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

RESISTORS—Temperature Sensitive

Carborundum Co., The, Global Div., Niagara Falls, N. Y.

FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

Friez Instrument Div., Bendix Aviation Corp., Baltimore 4, Md.

Keystone Carbon Company, Inc., St. Marys, Pennsylvania

Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.

Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.

Ohio Carbon Co., 12508 Berea Rd., Cleveland 11, Ohio

TRANS-SONICS, INC., Bedford Airport, Bedford, Mass. SEE ADV. PG. 132.

Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

RESISTORS—Voltage Sensitive

Carborundum Co., The, Global Div., Niagara Falls, N. Y.

GENERAL ELECTRIC CO., Schenectady 5, New York. SEE ADV. PGS. 5-18.

Ohio Carbon Co., 12508 Berea Rd., Cleveland 11, Ohio

RESISTORS—Wire Wound

Acme Electric Heating Co., 1217 Washington St., Boston, Mass.

Atlas Resistor Co., 423 Broome St., New York, N. Y.

AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.

BOND ELECTRONICS CORP., 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.

Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon

Carter Radio Div., Precision Parts Co., 213 Institute Pl., Chicago 10, Ill.

Chicago Telephone Supply Corp., 1142 W. Beardsley Ave., Elkhart, Ind.

Cima Corp., 91 Boylston St., Jamaica Plain 30, Mass.

Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.

Clark Controller Co., The, 1146 E. 152nd St., Cleveland 10, Ohio

Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.

Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.

Continental Carbon, Inc., 13900 Lorain Ave., Cleveland, Ohio

Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.
 Davis Electric Co., Cape Girardeau, Mo.
ELECTRICAL REACTANCE CORP., Elm St., Franklinville, N. Y. SEE ADV. PGS. 82, 83.
 Elliot Mfg. Co., 218 Prospect Ave., Binghamton, N. Y.
 Federal Instrument Corp., 14-02 Broadway, Long Island City 2, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Hardwick, Hindle Inc., 40 Hermon St., Newark, N. J.
 Houlihan Co., T. J., 2509-14 W. Lawrence Ave., Chicago 25, Ill.
I-T-E CIRCUIT BREAKER CO., 19th & Hamilton Sts., Philadelphia 30, Pa. SEE ADV. PGS. 48, 49.
INSTRUMENT RESISTORS CO., 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
INTERNATIONAL RESISTANCE CO., 401 N. Broad St., Phila. 8, Pa. SEE ADV. PGS. 20, 21.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Lectrohm, Inc., 5939 Archer Ave., Chicago 38, Ill.
 Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 Milwaukee Resistor Co., 700 W. Virginia St., Milwaukee 4, Wis.
 Model Engineering & Mfg., Inc., Huntington, Ind.
 Muter Co., 1255 S. Michigan Ave., Chicago, Ill.
 Ohio Carbon Co., 12508 Berea Rd., Cleveland 11, Ohio
OHMITE MFG. CO., 4835 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.
 Precision Machine Works, Inc., 730 Lyndale Ave., No., Minneapolis 11, Minn.
 Precision Resistor Co., 334 Badger Ave., Newark 8, N. J.
 Presto Electric Co., Inc., 4511 New York Ave., Union City, N. J.
REX RHEOSTAT CO., 3 Foxhurst Rd., Baldwin, N. Y. SEE ADV. PG. 186.
 Rubicon Co., 3751 Ridge Ave., Philadelphia, Pa.
 Schaefer Bros. Co., 1059 W. 11th St., Chicago, Ill.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151.
 Welwyn Electronic Components, Inc., 234 E. 46th St., New York 17, N. Y.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
 Wilkor Products, Inc., 3835 W. 150th St., Cleveland 11, Ohio
 Wirt Co., 5221 Greene St., Philadelphia, Pa.

RHEOSTATS

Acme Electric Heating Co., 1217 Washington St., Boston, Mass.
 Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wis.
 Amalgamated Electronics, Clinton Corners, N. Y.
BETA ELECTRONICS CO., 1762 Third Ave., New York 29, N. Y. SEE ADV. PG. 126.
 Biddle Co., James G., 1316 Arch St., Phila. 7, Pa.
 Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon
CENTRALAB, Div., Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
 Chicago Telephone Supply Corp., 1142 W. Beardsley Ave., Elkhart, Ind.
 Clark Controller Co., 1146 E. 152nd St., Cleveland 10, Ohio
 Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.
 Columbia Electric Mfg. Co., 4519 Hamilton Ave. N.E., Cleveland 14, Ohio
 Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.
 Daven Co., 191 Central Ave., Newark 4, N. J.

DeJur-Amsco Corp., Northern Blvd. at 45th St., Long Island City 1, N. Y.
 Eastern Specialty Co., Phila. 40, Pa.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Gale Dorethea, 37-61 85th St., Jackson Heights, L. I., N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Hardwick, Hindle Inc., 40 Hermon St., Newark, N. J.
HELIPOT CORP., 1011 Mission St., S. Pasadena, Calif. SEE ADV. PG. 25.
I-T-E CIRCUIT BREAKER CO., 19th & Hamilton Sts., Philadelphia 30, Pa. SEE ADV. PGS. 48, 49.
INTERNATIONAL RESISTANCE CO., 401 N. Broad St., Phila. 8, Pa. SEE ADV. PG. 113.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 Muter Co., 1255 S. Michigan Ave., Chicago, Ill.
NATIONAL CARBON CO., INC., Unit of Union Carbide & Carbon Corp., 30 E. 42nd St., New York, N. Y. SEE ADV. PG. 57.
OHMITE MANUFACTURING CO., 4835 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.
REX RHEOSTAT CO., 3 Foxhurst Rd., Baldwin, N. Y. SEE ADV. PG. 186.
 Rubicon Co., 3751 Ridge Ave., Phila., Pa.
 Schaefer Bros. Co., 1059 W. 11th St., Chicago, Ill.
 Tech Laboratories, Inc., Bergen & Edsall Blvds., Palisades Park, N. J.
 Technology Instrument Corp., 1058 Main St., Waltham, Mass.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
 Trimm, Inc., 400 W. Lake St., Libertyville, Ill.
WARD LEONARD ELECTRIC CO., 31 South St., Mount Vernon, N. Y. SEE ADV. PG. 151.

RHEOSTATS—Slide Wire

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Hardwick, Hindle Inc., 40 Hermon St., Newark, N. J.
HELIPOT CORP., 1011 Mission St., So. Pasadena, Calif. SEE ADV. PG. 25.
 Leeds & Northrup Co., 4970 Stenton Ave., Phila. 44, Pa.
OHMITE MFG. CO., 4835 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.
REX RHEOSTAT CO., 3 Foxhurst Rd., Baldwin, N. Y. SEE ADV. PG. 186.
 Rubicon Co., 3751 Ridge Ave., Philadelphia, Pa.
 Sticht Co., Inc., Herman H., 27 Park Pl., New York 7, N. Y.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
 Welwyn Electronic Components, Inc., 234 E. 46th St., New York 17, N. Y.

RINGS—Carbon Packing

Electro-Nite Carbon Co., 1133 E. Columbia Ave., Phila. 25, Pa.
GRAPHITE METALIZING CORP., 1041 Nepperhan Ave., Yonkers 3, N. Y. SEE ADV. PG. 177.
 Pure Carbon Co., St. Marys, Pa.
 St. Mary's Carbon Co., State Rd., St. Marys, Pa.
 Speer Carbon Co., Lincoln Ave., St. Marys, Pa.
 Stackpole Carbon Co., St. Marys, Pa.
WEBSTER SPRING CORP., 97 S. 5th St., Brooklyn 11, N. Y. SEE ADV. PGS. 229, 233.

RINGS—Collector

Baker Co., Inc., 113 Astor St., Newark 5, N. J.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
MAKEPEACE CO., D. E., Attleboro, Mass. SEE ADV. PG. 84.
 Plastic Manufacturers, Inc., 280 Fairfield Ave., Stamford, Conn.
WEBSTER SPRING CORP., 97 S. 5th St., Brooklyn 11, N. Y. SEE ADV. PGS. 229, 233.

RINGS—Oil Sealing

Auburn Mfg. Co., Middletown, Conn.
 Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Phila. 44, Pa.
 Pure Carbon Co., St. Marys, Pa.
 Sealol Corp., 45 Willard St., Providence 5, R. I.
WEBSTER SPRING CORP., 97 S. 5th St., Brooklyn 11, N. Y. SEE ADV. PGS. 229, 233.

RINGS—Retaining

Auburn Mfg. Co., Middletown, Conn.
 Barnes-Gibson-Raymond Div. of Associated Spring Corp., 6400 Miller Ave., Detroit 11, Mich.
 Garrett Co., Inc., George K., 1421 Chestnut St., Philadelphia 2, Pa.
 Grammes & Sons Inc., L. F., 389 Union St., Allentown 2, Pa.
 National Lock Washer Co., 40 Hermon St., Newark 5, N. J.
 Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Philadelphia 44, Pa.
 Raymond Mfg. Co., Div. of Associated Spring Corp., 226 S. Center St., Corry, Pa.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Waldes Kohinor Inc., Long Island City 1, N. Y.
WEBSTER SPRING CORP., 97 S. 5th St., Brooklyn 11, N. Y. SEE ADV. PGS. 229, 233.

RIVETS

ART WIRE & STAMPING CO., 227 High St., Newark 2, N. J. SEE ADV. PG. 232.
 Atlas Tack Corp., Pleasant St., Fairhaven, Mass.
 Autoscrew Co., 216-222 W. 18th St., New York, N. Y.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Cherry Rivet Co., 231 Winston St., Los Angeles 13, Calif.
 Chicago Rivet & Machine Co., 9600 W. Jackson Blvd., Chicago, Ill.
 du Pont de Nemours & Co., Inc., E. I., Wilmington 93, Del.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
 Harper Co., H. M., 2620 Fletcher St., Chicago 18, Ill.
 Hassall Inc., John, Clay & Oakland Sts., Brooklyn 22, N. Y.
 Milford Rivet & Machine Co., Milford, Conn.
 National Screw & Mfg. Co., The, Cleveland 4, Ohio
 Plume & Atwood Mfg. Co., Waterbury, Conn.
 Progressive Mfg. Co., 52 Norwood St., Torrington, Conn.
 Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio
 Russell, Burdsall & Ward Bolt and Nut Co., Midland Ave., Port Chester, N. Y.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Sterling Bolt Co., 209 W. Jackson Blvd., Chicago 6, Ill.
 Stimpson Co., Inc., Edwin B., 74 Franklin Ave., Brooklyn 5, N. Y.
 Stronghold Screw Products, Inc., 216-222 W. Hubbard St., Chicago 10, Ill.
 Tubular Rivet & Stud Co., Wallaston 70, Mass.
 Waterbury Companies, Inc., Waterbury 90, Conn.

RUBBER

See Insulation Materials

RUBBER—Conductive

See Insulation Materials

SCALES—Oscilloscope

Cossar (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada.
 Du Mont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Heath Co., Benton Harbor, Mich.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Printloid Inc., 95 Mercer St., New York, N. Y.
 Sun Dial Corp., E. Passaic Ave., Caldwell Township, N. J.
WATERMAN PRODUCTS CO., INC., 2445-63 Emerald St., Philadelphia 25, Pa. SEE ADV. PG. 146.

SCANNERS — Reflected & Transmitted Light

Acme Electronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 22, Mass.
 McElroy Mfg. Corp., Littleton, Mass.
 O'Connor & Co., John T., West Orange, N. J.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Radio Inventions Inc., 155 Perry St., New York 14, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 863, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

SCRAMBLERS—Speech

Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
 Lynch Co., F. W., 151 2nd St., San Francisco, Calif.
 McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.

SCREWDRIVERS AND SMALL INSULATED TOOLS

See Tools

SCREWS

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
ALLEN MFG. CO., Hartford, Conn. SEE ADV. PG. 209.
ALLMETAL SCREW PRODUCTS CO., INC., 33 Greene St., New York 13, N. Y. SEE ADV. PG. 32.
 Aluminum Co. of America, Gulf Bldg., Pittsburgh, Pa.
 American Screw Co., Providence, R. I.
 Automatic Metal Products Co., 315 Berry St., Brooklyn 1, N. Y.
 Autoscrew Co., 216-222 W. 18th St., New York, N. Y.
 Central Screw Co., 3501 Shields Ave., Chicago 9, Ill.
 Chandler Products Co., 1491 Chardon Rd., Cleveland, Ohio
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Continental Screw Co., New Bedford, Mass.
 Corbin Screw Div., American Hardware Corp., High, Myrtle & Grove Sts., New Britain, Conn.

Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Harper Co., H. M., The, 2620 Fletcher St., Chicago 18, Ill.
 Heli-Coil Corporation, 47-23 35th St., Long Island City 1, N. Y.
 Hubbell Inc., Harvey, Bridgeport 2, Conn.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 International Merit Products Corp., 254 W. 54th St., New York 19, N. Y.
 Lamson & Sessions Co., 1971 W. 85th St., Cleveland, Ohio.
 Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
 Milford Rivet & Machine Co., Milford, Conn.
 National Screw & Mfg. Co., The, Cleveland 4, Ohio
 New England Screw Co., Keene, New Hampshire
 Osgood Engineering Co., 110 Pleasant St., Malden, Mass.
 Pheoll Mfg. Co., 5700 Roosevelt Rd., Chicago 50, Ill.
 Progressive Mfg. Co., 52 Norwood St., Torrington, Conn.
 Russell, Burdsall & Ward Bolt & Nut Co., Midland Ave., Port Chester, N. Y.
 St. Louis Screw & Bolt Co., 6900 Broadway, St. Louis 15, Mo.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Scovill Mfg. Co., Waterville Screw Prods. Div., Waterbury, Conn.
 Shakeproof Inc., Div. of Ill. Tool Wks., 2501 N. Keeler Ave., Chicago 39, Ill.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Southington Hardware Mfg. Co., Southington, Conn.
 Standard Pressed Steel Co., Jenkintown, Pa.
 Sterling Bolt Co., 209 W. Jackson Blvd., Chicago 6, Ill.
 Stronghold Screw Products, Inc., 216-222 W. Hubbard St., Chicago 10, Ill.
 United Screw & Bolt Corp., 2513 W. Cullerton St., Chicago 8, Ill.
 Vallorbs Jewel Co., Lancaster, Pa.
 Waltham Screw Co., 77 Rumford Ave., Waltham, Mass.

SCREWS—Self-Tapping

ALLMETAL SCREW PRODUCTS CO., INC., 33 Greene St., New York 13, N. Y. SEE ADV. PG. 32.
 American Screw Co., Providence, R. I.
 Central Screw Co., 3501 Shields Ave., Chicago 9, Ill.
 Continental Screw Co., New Bedford, Mass.
 Corbin Screw Div., Amer. Hardware Corp., High, Myrtle & Grove Sts., New Britain, Conn.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Lamson & Sessions Co., 1971 W. 85th St., Cleveland, Ohio
 Milford Rivet & Machine Co., Milford, Conn.
 National Screw & Mfg. Co., The, Cleveland 4, Ohio
 New England Screw Co., Keene, New Hampshire
 Parker-Kalon Corp., 200 Varick St., New York 14, N. Y.
 Pheoll Mfg. Co., 5700 Roosevelt Rd., Chicago 50, Ill.
 Russell, Burdsall & Ward Bolt and Nut Co., Midland Ave., Port Chester, N. Y.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Cal.
 Scovill Mfg. Co., Waterville Screw Prods. Div., Waterbury, Conn.
 Shakeproof Inc., Div. of Ill. Tool Wks., 2501 N. Keeler Ave., Chicago 39, Ill.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Southington Hardware Mfg. Co., Southington, Conn.

Sterling Bolt Co., 209 W. Jackson Blvd., Chicago 6, Ill.
 Stronghold Screw Products, Inc., 216-222 W. Hubbard St., Chicago 10, Ill.
 United Screw & Bolt Corp., 2513 W. Cullerton St., Chicago 8, Ill.

SCREWS—Set

ALLEN MFG. CO., Hartford, Conn. SEE ADV. PG. 209.
ALLMETAL SCREW PRODUCTS CO., INC., 33 Greene St., New York 13, N. Y. SEE ADV. PG. 32.
 Autoscrew Co., 216-222 W. 18th St., New York 11, N. Y.
 Bristol Co., The, Waterbury 91, Conn.
 Central Screw Co., 3501 Shields Ave., Chicago 9, Ill.
 Corbin Screw Div., American Hardware Corp., High, Myrtle & Grove Sts., New Britain, Conn.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Harper Co., H. M., The, 2620 Fletcher St., Chicago 18, Ill.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Lamson & Sessions Co., 1971 W. 85th St., Cleveland, Ohio
 National Screw & Mfg. Co., The, Cleveland 4, land, Ohio
 New England Screw Co., Keene, New Hampshire
 Pheoll Mfg. Co., 5700 Roosevelt Rd., Chicago 50, Ill.
 Russell, Burdsall & Ward Bolt and Nut Co., Midland Ave., Port Chester, N. Y.
 St. Louis Screw & Bolt Co., 6900 Broadway, St. Louis 15, Mo.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Cal.
 Shakeproof Inc., Div. of Ill. Tool Wks. 2501 N. Keeler Ave., Chicago 39, Ill.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Standard Pressed Steel Co., Jenkintown, Pa.
 Sterling Bolt Co., 209 W. Jackson Blvd., Chicago 6, Ill.
 Stronghold Screw Products, Inc., 216-222 W. Hubbard St., Chicago 10, Ill.
 United Screw & Bolt Corp., 2513 W. Cullerton St., Chicago 8, Ill.
 Waltham Screw Co., 77 Rumford Ave., Waltham, Mass.

SEALS—Carbon

Electro-Nite Carbon Co., 1133 E. Columbia Ave., Phila. 25, Pa.
NATIONAL CARBON CO., INC., Unit of Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y. SEE ADV. PG. 57.
 Pure Carbon Co., St. Marys, Pa.
 St. Mary's Carbon Co., State Road, St. Marys, Pa.
 Sealol Corp., 45 Willard Ave., Providence 5, R. I.
 U. S. Graphite Co., Div. of The Wicks Corp., 1621 Holland Ave., Saginaw, Mich.

SEALS—Hermetic

Fusite Corp., Carthage at Hannaford, Cincinnati 12, Ohio
 Corning Glass Works, Corning, N. Y.
 Electrical Industries, Inc., 42 Summer Ave., New York, N. Y.
ELECTRO-SEAL CORP., 946 Lee St., Des Plaines, Ill. SEE ADV. PG. 90.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Fredericks Co., Geo. E., Bethayres, Pa.
 General Ceramics & Steatite Corp., Keasbey, N. J.
 Hermaseal Co., Inc., Riverside Dr., Elkhart, Ind.
HERMETIC SEAL PRODUCTS CO., 29-37 South 6th St., Newark, N. J. SEE ADV. PG. 223.
 Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
 Mykroy, Inc., Arlington Heights Airport, Arlington Heights, Ill.
 Radio Development & Research Co., 26 Cornellson Ave., Jersey City, N. J.

STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.
Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 3, Calif.
United Insulator Co., Ltd., Tolworth-Surbiton-Surrey, England
Vitroreol Corp., The, 918 Oak St., Wyoming, Cincinnati 15, Ohio
Wheaton Co., T. C., Industrial Division, 220 G Street, Millville, N. J.

SEALS—Metal-to-Glass

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
Allegheny Ludlum Steel Corp., Pittsburgh 22, Pa.
Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
Corning Glass Works, Corning, N. Y.
ELECTRICAL INDUSTRIES, INC., 42 Summer Ave., Newark 4, N. J. SEE ADV. PG. 132.
Electronic Products Co., 111 E. 3rd St., Mt. Vernon, N. Y.
Fredericks Co., Geo. E., Bethayres, Pa.
Fusite Corp., Carthage at Hannaford, Cincinnati 12, Ohio
General Electronics, Inc., 101 Hazel St., Paterson, N. J.
Hermaseal Co., Inc., Riverside Drive, Elkhart, Ind.
HERMETIC SEAL PRODUCTS CO., 29-37 S. 6th St., Newark, N. J. SEE ADV. PG. 223.
Sheboygan X-Ray Co., 1135 Indiana St., Sheboygan, Wis.
Sperti, Inc., Norwood Station, Cincinnati 12, Ohio
STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.
Titanium Alloy Mfg. Co., 111 Broadway, New York 6, N. Y.
Triplett & Barton, Inc., 831 N. Lake St., Burbank, Calif.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
Wheaton Co., T. C., Industrial Div., 220 G St., Millville, N. J.
Xervac Instrument Co., 101 Vine St., Hartford 5, Conn.

SEALS—Oil

Armstrong Cork Co., Lancaster, Pa.
Auburn Mfg. Co., Middletown, Conn.
General Tire & Rubber Co., The, Silentbloc Div., Wabash, Indiana
Sealol Corp., 45 Willard Ave., Providence 5, R. I.

SELECTIVE CALLING APPARATUS

Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
Doolittle Radio, Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
Hammarlund Mfg. Co., 460 W. 34th St., New York 1, N. Y.
Link Radio Corp., 125 W. 17th St., New York, N. Y.
Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
Stevens-Arnold, Inc., 22 Elkins St., South Boston, Mass.
West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.

SERVOMECHANISMS

See Controls, Servo

SHAFTS

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
Beach Precision Parts Co., Boonton, N. J.
General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

HAYDU BROS., Plainfield N. J. SEE ADV. PG. 209.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 88.

SHAFTS—Flexible

Breeze Corps., 41 S. Sixth St., Newark 7, N. J.
BUD RADIO, INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
Elliott Mfg. Co., 218 Prospect Ave., Binghamton, N. Y.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
Johnson Co., E. F., Waseca, Minn.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
STEWART MFG. CORP., F. W., 4311 Ravenswood Ave., Chicago 13, Ill. SEE ADV. PG. 172.
Stow Mfg. Co., 445 State St., Binghamton, N. Y.
Walker-Turner Co., Inc., 639 South Ave., Plainfield, N. J.
WHITE DENTAL MFG. CO., S. S., Industrial Div., 10 E. 40th St., New York, N. Y. SEE ADV. PG. 191.

SHAPERS—Television Signal

Tequip Radio Co., 1901 S. Washtenaw, Chicago, Ill.
Television Equipment Corp., 238 William St., New York 7, N. Y.

SHIELDING—Electrostatic

American Brass Company, Waterbury 88, Conn.
Sisalkraft Co., The, 205 W. Wacker Drive, Chicago 6, Ill.

SHIELDING—Radio Ignition

Alpha Wire Corp., 50 Howard St., New York 13, N. Y.
American Brass Co., Waterbury 88, Conn.
American Electric Cable Co., Holyoke, Mass.
Breeze Corps., Inc., 41 S. Sixth St., Newark 7, N. J.
Elliot Mfg. Co., 218 Prospect Ave., Binghamton, N. Y.
Hallett Mfg. Co., 1601 Florence Ave., Inglewood, Calif.
Precision Tube Co., Inc., 3828 Terrace St., Philadelphia 28, Pa.
Scintilla-Magneto Div., Bendix Aviation Corp., Sidney, N. Y.
Searle Aero Industries, Inc., Orange, Calif.

SHIELDING—Sheet or Screen

Allegheny Ludlum Steel Corp., Pittsburgh 22, Pa.
Sisalkraft Co., The, 205 W. Wacker Drive, Chicago 6, Ill.

SHIELDS—Capacitor

Fishwick Radio Co., 423 Colorado Bldg., Washington, D. C.
Paul & Beekman Inc., 1801 Cortland St., Phila. 40, Pa.

SHIELDS—Cathode Ray Tube

CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
Heath Co., Benton Harbor, Mich.
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
WATERMAN PRODUCTS CO., INC., 2445-63 Emerald St., Phila. 25, Pa. SEE ADV. PG. 146.

SHIELDS—Coil

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
Guthman, Inc., Edwin I., 15 S. Throop St., Chicago, Ill.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.

Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
Paul & Beekman Inc., 1801 Cortland St., Phila. 40, Pa.
Worcester Pressed Aluminum Corp., 13-15 Hope Avenue, Worcester 3, Mass.

SHIELDS—Transformer

Eastern Metals Industries, 250 W. 54th St., New York 19, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Kling Metal Spinning Co., 174 Centre St., New York 13, N. Y.
Paul & Beekman Inc., 1801 Cortland St., Philadelphia 40, Pa.
Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 3, Calif.
Worcester Pressed Aluminum Corp., 13-15 Hope Avenue, Worcester 3, Mass.

SHIELDS—Tube

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
Eastern Metals Industries, 250 W. 54th St., New York 19, N. Y.
Eby, Inc., Hugh H., 4700 Stenton Ave., Phila. 44, Pa.
Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
Goat Co., Inc., Fred, 314 Dean St., Brooklyn, N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PG. 105-108.
Paul & Beekman Inc., 1801 Cortland St., Philadelphia 40, Pa.
PRODUCTION ENGINEERING CO., 173 Sargeant Ave., Clifton, N. J. SEE ADV. PG. 212.
STAVIER CO., INC., 91 Pearl St., Brooklyn 1, N. Y. SEE ADV. PG. 188.
Worcester Pressed Aluminum Corp., 13-15 Hope Avenue, Worcester 3, Mass.

SHIFTER—Signal

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
Erco Radio Labs., Inc., East Stewart Ave., Garden City, N. Y.
Hallcrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
Measurement Engineering Ltd., Arnprior, Ontario, Canada
Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.

SHUNTS—Meter

Associated Research, Inc., 3758 W. Belmont, Chicago 18, Ill.
BALLANTINE LABS. INC., Boonton, N. J. SEE ADV. PG. 134.
Bradshaw Instruments Co., 348 Livingston St., Brooklyn 17, N. Y.
Burlington Instrument Co., Burlington, Iowa
Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska
Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.

Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
INSTRUMENT RESISTORS CO., 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Nilsson Electrical Lab. Inc., 103 Lafayette St., New York 13, N. Y.
 Sensitive Research Instrument Corporation, 9 Elm Ave., Mt. Vernon, N. Y.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Simpson Electric Co., 5218 W. Kinzie Street, Chicago 44, Ill.
 Triplett Electric Instrument Co., 286 Harmon Road, Bluffton, Ohio
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

SIGNAL SHIFTER

See Shifter, Signal

SILICON

See Metals

SILICONE—Compounds

See Insulating Compounds

SLEEVES—Antenna Copper Splicing

Buchanan Electrical Products Corp., 1290 Central Ave., Hillside, N. J.
 Hope Webbing Co., Providence 1, R. I.
 Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich.

SOCKETS—Battery

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
 Eby, Inc., Hugh H., 4700 Stenton Ave., Phila. 44, Pa.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 United Carr Fastener Corp., Cambridge 42, Mass.

SOCKETS—Crystal

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
 Eby, Inc., Hugh H., 4700 Stenton Ave., Philadelphia 44, Pa.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 Johnson Co., E. F., Waseca, Minn.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.

SOCKETS—Dial and Pilot Light

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
DIAL LIGHT COMPANY OF AMERICA, INC., 900 Broadway, New York 3, N. Y. SEE ADV. PG. 220.
DRAKE MFG. CO., 1713 Hubbard St., Chicago, Ill. SEE ADV. PG. 58.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

Johnson Co., E. F., Waseca, Minn.
 Kulka Electric Mfg. Co., Inc., 30 South St., Mt. Vernon, N. Y.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
 Morse Co., Frank W., 1300 Soldiers Rd., Boston 35, Mass.
 Rogan Bros., 2500 W. Irving Pk., Chicago 18, Ill.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Ucinite Co., The, Div. United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.

SOCKETS—Microwave Tube

Johnson Co., E. F., Waseca, Minn.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.

SOCKETS—Miniature Sockets & Connectors

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Buggie & Co., H. H. 2141 Madison Ave., Toledo 1, Ohio
 Cannon Electric Development Co., 3209 Humboldt St., Los Angeles 31, Calif.
CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
DIAL LIGHT CO. OF AMERICA, 900 Broadway, New York 3, N. Y. SEE ADV. PG. 220.
 Eby, Inc., Hugh H., 4700 Stenton Ave., Phila. 44, Pa.
 Electrical Insulation Co., Inc., 12 Vestry St., New York, N. Y.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 General Electronics, Inc., 101 Hazel St., Paterson, N. J.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Johnson Co., E. F., Waseca, Minn.
 Kulka Electric Mfg. Co. Inc., 30 South St., Mt. Vernon, N. Y.
 Marco Industries Co., 210 So. Clementine, Anaheim, Calif.
 Maritime Quality Hardware Co., Inc., Belfast, Maine
 Methode Mfg. Corp., 1733 N. Milwaukee Ave., Chicago 47, Ill.
 Miller Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Morse Co., Frank W., 1300 Soldiers Rd., Boston 35, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Rogan Bros., 2500 W. Irving Pk., Chicago 18, Ill.
RUSSELL & STOLL CO., INC., 125 Barclay St., New York 7, N. Y. SEE ADV. PG. 225.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England.

SOCKETS—Tube

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
 Crowley & Co., Inc., Henry L., 1 Central Ave., West Orange, N. J.
 Eby, Inc., Hugh H., 4700 Stenton Ave., Phila. 44, Pa.
 Eitel-McCullough, Inc., San Bruno, California
 Electrical Insulation Co., Inc., 12 Vestry St., New York, N. Y.
 Electro-Connector Corp., 110 W. Oxford St., Phila. 22, Pa.

Electronic Mechanics, Inc., 70 Clifton Blvd., Clifton, N. J.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 General Electronics, Inc., 101 Hazel St., Paterson, N. J.
 Howard Mfg., Corp., 1401 S. Main St., Council Bluffs, Iowa
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Johnson Co., E. F., Waseca, Minn.
 Methode Mfg. Corp., 1733 N. Milwaukee Ave., Chicago 47, Ill.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Mykroy, Inc., Arlington Heights Airport, Arlington Heights, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PG. 105-108.
 Network Mfg. Corp., Bayonne, N. J.
 Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
 Ucinite Co., The, Div. United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
 United Carr Fastener Corp., Cambridge 42, Mass.
WATERMAN PRODUCTS CO., INC., 2445-63 Emerald St., Phila. 25, Pa. SEE ADV. PG. 146.
 Yates Engineering Services, Box 67, Cranford, N. J.

SOLDER

Aluminum Co. of America, Gulf Bldg., Pittsburgh, Pa.
 Alpha Metals, Inc., 363 Hudson Ave., Brooklyn 1, N. Y.
BRITISH INDUSTRIES CORP., 315 Broadway, New York 7, N. Y. SEE ADV. PG. 81.
 Chase Brass & Copper Co., Inc., Waterburg 91, Conn.
 Division Lead Co., 836 W. Kinzie St., Chicago 22, Ill.
 Dunton, M. W. Company, The, 670 Eddy Street, Providence, Rhode Island
 Eastern Smelting & Refining Corp., 107-109 W. Brookline St., Boston 18, Mass.
 Eutectic Welding Alloys Corp., 40 Worth St., New York 13, N. Y.
 Farrelloy Co., 1245 N. 26th St., Philadelphia 21, Pa.
 Federated Metals Div., American Smelting & Refining Co., 120 Broadway, New York 5, N. Y.
 Glaser Lead Co., Inc., 31 Wycoff Ave., Brooklyn, N. Y.
 Johnson Mfg. Co., Inc., Mount Vernon, Iowa
KESTER SOLDER CO., 4212 Wrightwood Ave., Chicago 33, Ill. SEE ADV. PG. 150.
L & R Mfg. Co., 577 Elm St., Arlington, N. J.
MULTICORE SOLDERS LTD., Mellier House, Albarnele St., London, W. I. England. SEE ADV. PG. 81.
 National Lead Co., 111 Broadway, New York 6, N. Y.
 New York Solder Co., 684 E. 133rd St., New York 54, N. Y.
 Ruby Chemical Co., 68 McDowell St., Columbus 1, Ohio
SOLDERING SPECIALTIES CO., Summit, N. J. SEE ADV. PG. 56.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Tricon Mfg. Co., 8318 S. Racine Ave., Chicago, Ill.

SOLDER—Platinum
AMERICAN PLATINUM WORKS, N. J. R. R. Ave. at Oliver St., Newark 5, N. J. SEE ADV. PG. 192.
 Baker Co., Inc., 113 Astor St., Newark 5, N. J.
 Cohn Corp., Sigmund, 44 Gold St., New York, N. Y.
 Eastern Smelting & Refining Corp., 107-109 W. Brookline St., Boston 18, Mass.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.

Goldsmith Bros. Smelting & Refining Co., 109 N. Wabash Ave., Chicago, Ill.
MAKEPEACE CO., D. E., Attleboro, Mass. SEE ADV. PG. 84.
NEY CO., J. M., 179 Elm St., Hartford, Conn. SEE ADV. PG. 56.
SOLDERING SPECIALTIES CO., Summit, N. J. SEE ADV. PG. 58.
 Tricon Mfg. Co., 8318 S. Racine Ave., Chicago, Ill.
 Wildberg Bros., Smelting & Refining Co., 742 Market St., San Francisco 2, Calif.

SOLDER—Rings and Preforms

Alpha Metals, Inc., 363 Hudson Ave., Brooklyn 1, N. Y.
AMERICAN PLATINUM WORKS, N. J. R. R. Ave. at Oliver St., Newark 5, N. J. SEE ADV. PG. 192.
 Division Lead Co., 836 W. Kinzie St., Chicago 22, Ill.
 Electronic Specialties Mfg. Co., 125 N. Main St., Elkhart, Indiana
 Eutectic Welding Alloys Corp., 40 Worth St., New York 13, N. Y.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
 Glaser Lead Co., Inc., 31 Wyckoff Ave., Brooklyn, N. Y.
 Goldsmith Bros. Smelting & Refining Co., 109 N. Wabash Ave., Chicago, Ill.
KESTER SOLDER CO., 4212 Wrightwood Ave., Chicago 33, Ill. SEE ADV. PG. 150.
 Krieg & Co., Charles W., 52 Dickerson St., Newark, N. J.
MAKEPEACE CO., D. E., Attleboro, Mass. SEE ADV. PG. 84.
 National Lead Co., 111 Broadway, New York 6, N. Y.
SOLDERING SPECIALTIES CO., Summit, N. J. SEE ADV. PG. 58.
 Tricon Mfg. Co., 8318 S. Racine Ave., Chicago, Ill.

SOLDER—Silver

AMERICAN PLATINUM WORKS, N. J. R. R. Ave. at Oliver St., Newark 5, N. J. SEE ADV. PG. 192.
 Baker Co., Inc., 113 Astor St., Newark 5, N. J.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Division Lead Co., 836 W. Kinzie St., Chicago 22, Ill.
 Eastern Smelting & Refining Corp., 107-109 W. Brookline St., Boston 18, Mass.
 Eutectic Welding Alloys Corp., 40 Worth St., New York 13, N. Y.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
 Goldsmith Bros. Smelting & Refining Co., 109 N. Wabash Ave., Chicago, Ill.
HANDY & HARMAN, 82 Fulton St., New York 7, N. Y. SEE ADV. PG. 204.
MAKEPEACE CO., D. E., Attleboro, Mass. SEE ADV. PG. 84.
SOLDERING SPECIALTIES CO., Summit, N. J. SEE ADV. PG. 58.
 Tricon Mfg. Co., 8318 S. Racine Ave., Chicago, Ill.
 Wildberg Bros. Smelting & Refining Co., 742 Market St., San Francisco 2, Calif.

SOLDERING GUNS

See Tools, Soldering Guns

SOLDERING IRONS—Electric

See Irons, Electric Soldering

SOLENOIDS

Adel Precision Products Corp., 10777 Van Owen St., Burbank, Calif.
 Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa.
 Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wis.
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.

Automatic Switch Co., 391 Lakeside Ave., Orange, N. J.
 Bittermann Electric Co., Box 665, Canaan, Conn.
 Caltron Co., 1406 S. Hobart Blvd., Los Angeles 6, Calif.
 Cannon Electric Development Co., 3209 Humboldt St., Los Angeles 31, Calif.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 Cooper Co., Clark, 374 N. Market St., Palmyra, N. J.
 Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.
 Davis & Co., Dean W., Kentland, Ind.
 Electrical Windings, Inc., 2015 N. Kolmar Ave., Chicago 39, Ill.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200.
 Ensign Coil Co., 2516 S. Pulaski Rd., Chicago, Ill.
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio
 General Controls Co., Glendale 1, Calif.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Hercules Electric & Mfg. Co., Inc., 2500 Atlantic Ave., Brooklyn 7, N. Y.
INSTRUMENT RESISTORS CO., 1036 Commerce Ave., Union, N. J. SEE ADV. PG. 113.
 Kurman Electric Co., Inc., 35-18 37th St., L. I. City 1, N. Y.
 Leach Relay Co., Inc., 5915 Avalon Blvd., Los Angeles 3, Calif.
 Leland, Inc., G. H., 123 Webster St., Dayton 2, Ohio
 McQuay-Norris Mfg. Co., 2320 Marconi Ave., St. Louis 10, Mo.
 Magnavox Co., The, Components Div., Fort Wayne 4, Indiana
 Magnetic Devices Corp., 232 Broad Ave., Palisades Park, N. J.
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.
 Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
PHILLIPS CONTROL CORP., 84 W. Jefferson St., Joliet, Ill. SEE ADV. PG. 164.
PICKERING & CO., 309 Woods Ave., Oceanside, L. I., N. Y. SEE ADV. PG. 130.
 Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.
 R. B. M. Div., Essex Wire Corp., Logansport, Ind.
 Reister Mfg. Co., Hagerstown, Md.
 Roebbling's Sons Co., John A., 640 Broad St., Trenton 2, N. J.
STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
 Struthers-Dunn, Inc., 150 N. 13th St., Phila. 7, Pa.
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

SOLENOIDS—Rotary

Cooper Co., Clark, 374 N. Market St., Palmyra, N. J.
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio
 Hercules Electric & Mfg. Co., Inc., 2500 Atlantic Ave., Brooklyn 7, N. Y.
 Leland, Inc., G. H., 123 Webster St., Dayton 2, Ohio
 Magnavox Co., The, Components Div., Fort Wayne 4, Ind.
 Radio Condenser Co., Camden, N. J.

SONIC LOCATING EQUIPMENT

Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Crystal Research Labs., Inc., 29 Allyn St., Hartford, Conn.
 Edo Corp., College Point, Long Island, N. Y.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
 Triplett & Barton, Inc., 831 N. Lake St., Burbank, Calif.

SORTERS—Electronic

See Controls—Counting & Sorting

SOUND SYSTEMS—Complete

Allied Radio Corp., 833 W. Jackson Blvd., Chicago 7, Ill.
 Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
 American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
 Audar Inc., Argos, Indiana
 Audio Equipment Co., Inc., 80-20 45th Ave., Elmhurst, N. Y.
 Bardwell & McAllister, Inc., P. O. Box 1310, Hollywood, Calif.
 Bell Sound Systems, Inc., 555 Marion Rd., Columbus 7, Ohio
 Bogen Co., David, 663 Broadway, New York 12, N. Y.
 Boom Electric & Amplifier Co., 1227 W. Washington Blvd., Chicago 7, Ill.
 Califone Corp., 1041 N. Sycamore Ave., Hollywood 38, Calif.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Collins Audio Products Co., P. O. Box 368, Westfield, N. J.
 Communication Equipment & Engineering Co., 5646 W. Race St., Chicago 44, Ill.
 Communicating Systems Inc., 203 E. 18th St., New York 3, N. Y.
 Continental Electronics, Ltd., 252 Norman Ave., Brooklyn 22, N. Y.
 Dilks Co., Seymour, Conn.
 Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
 Electronic Systems Co., 201 N. Wells St., Chicago 1, Ill.
 Executone, Inc., 415 Lexington Ave., New York 17, N. Y.
 Fairchild Recording Equipment Corp., 154th St. & 7th Ave., Whitestone, N. Y.
 Farmers' Engineering & Mfg. Co., 549 Brushton Ave., Pittsburgh, Pa.
 Gale Dorethea, 37-61 85th St., Jackson Heights, L. I., N. Y.
 Globe Phone Mfg. Co., 2 Linden St., Reading, Mass.
 Harris Mfg. Co., 2422 W. Seventh St., Los Angeles 5, Calif.
 Hose-McCann Telephone Co., Inc., 25th St. & 3rd Ave., Brooklyn 32, N. Y.
 Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
 Lincrophone Co., Inc., 226 Lansing St., Utica, N. Y.
 Miles Reproducer Co., Inc., 812 Broadway, New York, N. Y.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
 M. P. Concert Installations, Fairfield 10, Conn.
 National Intercommunicating Systems, 1531 Devon Ave., Chicago 26, Ill.
 Newcomb Audio Products Co., 6824 Lexington Ave., Hollywood 38, Calif.
 Operadio Mfg. Co., 135th & Indiana St., St. Charles, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio-Music Corp., Port Chester, N. Y.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Rauland-Borg Corp., 4245 N. Knox Ave., Chicago 41, Ill.
 Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
 Riggs & Jeffreys, Inc., 140 Glenridge Ave., Montclair, N. J.
 Rosen Engineering Products, Inc., Raymond, 32nd & Walnut St., Phila. 4, Pa.
 Rowe Industries, 1702 Wayne St., Toledo 9, Ohio
 Schulmerich Electronics, Inc., Sellersville, Pa.
 Seeburgh Corp., J. P., 1500 N. Dayton Ave., Chicago 22, Ill.

Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City 3, N. Y.
 Smith-Meeker Engineering Co., 125 Barclay St., New York 7, N. Y.
 SOS Cinema Supply Corp., 602 W. 52 St., New York 19, N. Y.
 Speak-O-Phone Recording & Equipment Co., 23 W. 60th St., New York, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Stark Sound Engrg. Corp., 2131 Fairfield, Fort Wayne 7, Ind.
 Stromberg-Carlson, Rochester, N. Y.
 Television Projects, Inc., 3660 Coral Way, Miami 35, Fla.
 Terminal Radio Corp., 85 Cortland St., New York 7, N. Y.
 Webster Electric Co., 1900 Clark St., Racine, Wis.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Western Sound & Electric Labs., Inc., 805 S. 5th Street, Milwaukee 4, Wis.

SOURCES—Alpha Ray

ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.
 Television Equipment Corp., 238 William St., New York 7, N. Y.
 U. S. Radium Corp., 535 Pearl St., New York 7, N. Y.

SPEAKERS

See Loudspeakers

SPECTROMETERS—Mass

Consolidated Engineering Corp., 620 N. Lake Ave., Pasadena 4, Calif.
 Distillation Products, Inc., Vacuum Equip. Div., 755 Ridge Rd. W., Rochester, N. Y.
 GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St. Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.

SPECTROMETERS and SPECTROGRAPHS

Applied Research Laboratories, 4336 San Fernando Rd., Glendale 4, Calif.
 Baird Associates, Inc., 33 University Rd., Cambridge 38, Mass.
 Bausch & Lomb Optical Co., 635 St. Paul St., Rochester 2, N. Y.
 Coleman Instruments, Inc., 318 Madison St., Maywood, Ill.
 Farrand Optical Co., Inc., Bronx Blvd. at 238th St., New York 66, N. Y.
 Gaertner Scientific Corp., 1201 Wrightwood Ave., Chicago 14, Ill.
 Jarrell-Ash Co., 165 Newbury St., Boston 16, Mass.
 KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
 Perkin-Elmer Corp., The, Glenbrook, Conn.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 VICTOREEN INSTRUMENT CO., 5806 Hough Ave., Cleveland 3, Ohio. SEE ADV. PG. 227.

SPECTROPHOTOMETERS

Applied Physics Corp., 40 South Oak Knoll Ave., Pasadena 1, Calif.
 Baird Associates, Inc., 33 University Rd., Cambridge 38, Mass.
 Bausch & Lomb Optical Co., 635 St. Paul St., Rochester 2, N. Y.
 Coleman Instruments, Inc., 318 Madison St., Maywood, Ill.
 Farrand Optical Co., Inc., Bronx Blvd. at 238th St., New York 66, N. Y.

Gaertner Scientific Corp., 1201 Wrightwood Ave., Chicago 14, Ill.
 GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Jarrell-Ash Co., 165 Newbury St., Boston 16, Mass.
 Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.
 National Technical Lab., 820 Mission St., South Pasadena, Calif.

SPECTROSCOPIC SOURCE UNITS

Baird Associates, Inc., 33 University Ave., Cambridge 38, Mass.
 Bausch & Lomb Optical Co., 635 St. Paul St., Rochester 2, N. Y.
 Jarrell-Ash Co., 165 Newbury St., Boston 16, Mass.
 Mellaphone Corp., Rochester 2, N. Y.
 National Spectrographic Labs., Inc., 6300 Euclid Ave., Cleveland, Ohio

SPEEDOMETERS—Electric

Metron Instrument Co., 432 Lincoln St., Denver 9, Colo.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Rowe Engineering Corp., 2422 N. Pulaski Road, Chicago 39, Ill.

SPRINGS

Accurate Spring Mfg. Co., 3811 W. Lake St., Chicago, Ill.
 American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio
 Barnes-Gibson-Raymond Div., Associated Spring Corp., 6400 Miller Ave., Detroit 11, Mich.
 Chatillon & Sons, John, 93 Cliff St., New York 7, N. Y.
 Cuyahoga Spring Co., 10272 Berea Rd., Cleveland, Ohio
 Dzus Fastener Co. Inc., Box 785, Babylon, N. Y.
 Elliot Mfg. Co., 218 Prospect Ave., Binghamton, N. Y.
 Garrett Co., Inc., G. K., 1421 Chestnut St., Phila. 2, Pa.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Gibson Co., Wm. D., Div. of Associated Spring Corp., 1800 Clybourn Ave., Chicago, Ill.
 HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Hoffman Engineering Corp., Anoka, Minn.
 Hubbard Spring Co., M. D., Central Ave., Pontiac, Mich.
 Hunter Pressed Steel Co., Lansdale, Pa.
 Hunter Spring Co., Langdale, Pa.
 Instrument Specialties Co. Inc., 254 Bergen Blvd., Little Falls, N. J.
 J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Jones Spring Co., W. B., 124 E. 7th St., Cincinnati, Ohio
 Manross & Sons, F. N., Div. of Associated Spring Corp., Bristol, Conn.
 Mid-West Spring Mfg. Co., 4632 S. Western Ave., Chicago 9, Ill.
 Peck Springs Co., 9 King St., Plainville, Conn.
 Raymond Mfg. Co., Div. of Associated Spring Corp., 226 S. Center St., Corry, Pa.
 Reliable Spring & Wire Forms Co., Fulton Rd. & Paris Ave., Cleveland 9, Ohio
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 WEBSTER SPRING CORP., 97 S. 5th St., Brooklyn 11, N. Y. SEE ADV. PGS. 229, 233.
 Wickwire Spencer Steel Div., The, Colorado Fuel and Iron Corp., The, 500 Fifth Avenue, New York 18, N. Y.

SPRINGS—Antenna Tension

Aeronautical Radio Mfg. Co., 155 First St., Mineola, N. Y.
 American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio
 Barnes-Gibson-Raymond Div., Associated Spring Corp., 6400 Miller Ave., Detroit 11, Mich.
 Birnbach Radio Co. Inc., 145 Hudson St., New York, N. Y.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 United Carr Fastener Corp., Cambridge 42, Mass.
 WEBSTER SPRING CORP., 97 S. 5th St., Brooklyn 11, N. Y. SEE ADV. PGS. 229, 233.

SPRINGS—Instrument Hairsprings

American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio
 Barnes-Gibson-Raymond Div., Associated Spring Corp., 6400 Miller Ave., Detroit 11, Mich.
 HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Manross & Son, F. N., Div. of Associated Spring Corp., Bristol, Conn.
 Precision Products Co., 26 Bedford St., Waltham 54, Mass.
 WEBSTER SPRING CORP., 97 S. 5th St., Brooklyn 11, N. Y. SEE ADV. PGS. 229, 233.

SPRINGS—Precision

Accurate Spring Mfg. Co., 3811 W. Lake St., Chicago, Ill.
 All Weather Springs, 140 Cedar St., New York 6, N. Y.
 American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio
 Barnes-Gibson-Raymond Div., Associated Spring Corp., 6400 Miller Ave., Detroit 11, Mich.
 Chatillon & Sons, John, 93 Cliff St., New York 7, N. Y.
 CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
 HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 INSTRUMENT SPECIALTIES CO. INC., 254 Bergen Blvd., Little Falls, N. J. SEE ADV. PG. 180.
 LEWIS SPRING & MFG. CORP., 2646 North Ave., Chicago 47, Ill. SEE ADV. PG. 44.
 Manross & Sons, F. N., Div. of Associated Spring Corp., Bristol, Conn.
 WEBSTER SPRING CORP., 97 S. 5th St., Brooklyn 11, N. Y. SEE ADV. PGS. 229, 233.

STANDARDS—Capacitance

CONDENSER PRODUCTS CO., 1375 N. Branch St., Chicago 22, Ill. SEE ADV. PG. 214.
 GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114-115.
 Herlec Corp., The, 422 N. Fifth St., Milwaukee 3, Wis.
 Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.
 MacLeod & Hanopol, 10 Joiner St., Charlestown 29, Mass.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 UNITED CONDENSER CORP., 337 E. 139th St., New York 54, N. Y. SEE ADV. PG. 225.

STANDARDS EQUIPMENT—Calibration

Radio Frequency Labs., Inc., Boonton, New Jersey

STANDARDS—Frequency

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 AMERICAN TIME PRODUCTS, INC., 580 Fifth Ave., New York 19, N. Y. SEE ADV. PG. 216.
 BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 BROWNING LABS., INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
 CLARK CRYSTAL CO., 2 Farm Rd., Marlboro, Mass. SEE ADV. PG. 175.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 CONDENSER PRODUCTS CO., 1375 Branch St., Chicago 22, Ill.
 ELECTRONICS MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
 EL-TRONICS, INC., 2647 No. Howard St., Phila., 33, Pa. SEE ADV. PG. 189.
 FREED TRANSFORMER CO., 1736 Weirfield St., Brooklyn 27, N. Y. SEE ADV. PG. 53.
 GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114-115.

Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.

HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
Knights Co., James, 131 S. Wells St., Sandwich, Ill.

LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.

Measurement Engineering Ltd., Arnprior, Ontario, Canada

Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.

Monitor Products Co., 815 Fremont Ave., So. Pasadena, Calif.

Norrman Labs. Ernst, Williams Bay, Wis.

POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.

Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.

Premier Crystal Labs., Inc., 79-89 Seventh Ave., New York 11, N. Y.

REEVES-HOFFMAN CORP., 321 Cherry St., Carlisle, Pa. SEE ADV. PG. 104.

Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.

SPERRY GYROSCOPE CO., Div. of Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
Thermionic Engineering Corp., Pompton Plains, N. J.

Times Facsimile Corp., 229 W. 43rd St., New York, N. Y.

Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

Westline Electronics Co., 11660 Olympic Blvd., Los Angeles 25, Calif.

STANDARDS—Gamma Ray

ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.

Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.

U. S. Radium Corp., 535 Pearl St., New York 7, N. Y.

VICTOREEN INSTRUMENT CO., 5806 Hough Ave., Cleveland 3, Ohio. SEE ADV. PG. 227.

STANDARDS—Inductance

GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114-115.

Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.

Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.

S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.

STANDARDS—Laboratory Time

Acme Electronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio

GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114-115.

GIBBS DIV., George W. Borg Corp., Delavan, Wis. SEE ADV. PG. 95.

Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.

LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.

Norrman Labs., Ernst, Williams Bay, Wis.

Standard Electric Time Co., The, 89 Logan St., Springfield, Mass.

STANDARDS—Resistance

Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.

GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.

Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.

Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.

Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.

Rubicon Co., 3751 Ridge Ave., Philadelphia, Pa.

Sensitive Research Instrument Corporation, 9 Elm Avenue, Mount Vernon, N. Y.

Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.

STANDS—Microphone

American Microphone Co., 370 So. Fair Oaks Ave., Pasadena 1, Calif.

AMPERITE CO., 561 Broadway, New York 12, N. Y. SEE ADV. PG. 90.

Art Specialty Co., 3245 Lake St., Chicago, Ill.

Astatic Corp., The, Conneaut, Ohio

Atlas Sound Corp., 1443 39th St., Brooklyn 18, N. Y.

AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.

ELECTRO-VOICE, INC., Buchanan, Mich. SEE ADV. PG. 195.

Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.

Racon Electric Co., Inc., 52 East 19th St., New York 3, N. Y.

Simpson Mfg. Co., Mark, 32-28 49th St., Long Island City 3, N. Y.

Special Products Co., Silver Spring, Md.

TURNER CO., THE, 909 17th Street, N.E., Cedar Rapids, Iowa. SEE ADV. PG. 96.

Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

STANDS—Speaker

Atlas Sound Corp., 1443 39th St., Brooklyn 18, N. Y.

Jensen Mfg. Co., 6601 S. Laramie Ave., Chicago 38, Ill.

Racon Electric Co., 52 E. 19th St., New York 3, N. Y.

STEATITE

See Insulation Materials

STENCILS—Metal Marking

Acromark Co., 9-13 Morrell St., Elizabeth 4, N. J.

Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.

Luma Electric Equipment Co., P. O. Box 132, Toledo 1, Ohio

Noble & Westbrook Mfg. Co., 27 Westbrook St., E. Hartford 8, Conn.

Numberall Stamp & Tool Co., Huguenot Park, Staten Island 12, N. Y.

STETHOGRAPHS AND STETHOPHONES

Edin Electronics Co., 207 Main St., Worcester, Mass.

Trimun, Inc., 400 W. Lake St., Libertyville, Ill.

STETHOSCOPES—Amplifying

Edin Electronics Co., 207 Main St., Worcester, Mass.

Electro-Medical Lab., Inc., Holliston, Mass.

Electro-Physical Labs., Inc., 290-8 Dyckman St., New York 34, N. Y.

Maico Co. Inc., 25 N. 3rd St., Minneapolis, Minn.

Medical Electronics Co., P. O. Box 3541, Cleveland 18, Ohio

SANBORN CO., 39 Osborn St., Cambridge 39, Mass. SEE ADV. PG. 30.

Webster Engineering Co., 105 Tenth St., N. E., Cedar Rapids, Iowa.

STIMULATORS

ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.

Electro-Medical Lab., Inc., Holliston, Mass.

Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.

RAHM INSTRUMENTS, INC., 12 W. Broadway, New York 7, N. Y. SEE ADV. PG. 222.

SANBORN CO., 39 Osborn St., Cambridge 39, Mass. SEE ADV. PG. 30.

STRAIN RELIEFS

Alden Products Co., 117 N. Main St., Brockton, 64, Mass.

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.

Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.

Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

HEYMAN MFG. CO., 300 Michigan Ave., Kenilworth, N. J. SEE ADV. PG. 222.

Maritime Quality Hardware Co., Inc., Belfast, Maine

WALKER CO., GEORGE, 118 Amsterdam Ave., Passaic, N. J. SEE ADV. PG. 186.

STRAPS—Leather

Auburn Mfg. Co., Middletown, Conn.

STRIPPERS—Wire

Division Lead Co., 836 W. Kinzie St., Chicago 22, Ill.

Eraser Co., Inc., The, Industrial Products Div., 104 S. State St., Syracuse 2, N. Y.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

Ideal Industries, Inc., Park & Borden Aves., Sycamore, Ill.

Martindale Electric Co., Box 617, Edgewater Branch, Cleveland 7, Ohio

Pyramid Products Co., 2224 S. State St., Chicago, Ill.

Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, California

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

STROBOSCOPES

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.

Communication Measurements Lab., Inc., 120 Greenwich St., New York, N. Y.

Conn Ltd., C. G., Electronics Div., Elkhart, Ind.

Electric Eye Equipment Co., 16 W. Fairchild St., Danville, Ill.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.

J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.

Lectronic Research Labs., 1021 Callowhill St., Phila. 23, Pa.

SYLVANIA ELECTRIC PRODUCTS INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

STROBOTRONS

See Tubes

SUPPRESSORS—Auto Radio Ignition

Camburn, Inc., 32-40 57th St., Woodside, N. Y.

Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.

Continental Carbon, Inc., 13900 Lorain Ave., Cleveland 11, Ohio

ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109.

Filtron Co., Inc., The, 38-25 Bell Blvd., Bay-side, L. I., N. Y.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., L. I. City, N. Y. SEE ADV. PG. 80.

INTERNATIONAL RESISTANCE CO., 401 N. Broad St., Philadelphia 8, Pa. SEE ADV. PGS. 20, 21.

J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.

Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.

National Electronic Mfg. Co., 35-05 36th St., Long Island City 5, N. Y.

Network Mfg. Corp., Bayonne, N. J.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

Wilkor Products, Inc., 3835 W. 150th St., Cleveland 11, Ohio

Wirt Co., 5221 Green St., Philadelphia, Pa.

SUPPRESSORS—Fluorescent Light

Filtron Co., Inc., The, 38-25 Bell Blvd., Bay-side, L. I., N. Y.

INTERNATIONAL RESISTANCE CO., 401 N. Broad St., Philadelphia 8, Pa. SEE ADV. PGS. 20, 21.

J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.

Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.

Network Manufacturing Corp., Bayonne, N. J.
Solar Mfg. Corp., 1445 Hudson Blvd., North Bergen, N. J.

SUPPRESSORS—Ionotron Static Eliminator

U. S. Radium Corp., 535 Pearl St., New York 7, N. Y.

SUPPRESSORS—Noise

Amplifier Corp. of America, 396 Broadway, New York, 13, N. Y.

Coil Winders, Inc., 61 Bergen St., Brooklyn 2, N. Y.

Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.

Continental Carbon, Inc., 13900 Lorain Ave., Cleveland 11, Ohio

ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109.

Fast & Co., John E., 3101 N. Pulaski Rd., Chicago 41, Ill.

Filtron Co., Inc., The, 38-25 Bell Blvd., Bay-side, L. I., N. Y.

Fisher Radio Corp., 41 E. 47th St., New York, N. Y.

FREED TRANSFORMER CO., 1736 Weirfield St., Brooklyn 27, N. Y. SEE ADV. PG. 53.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.

INTERNATIONAL RESISTANCE CO., 401 N. Broad St., Philadelphia 8, Pa. SEE ADV. PGS. 20, 21.

J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.

Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.

Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.

National Electronic Mfg. Co., 35-05 36th St., Long Island City 5, N. Y.

Network Manufacturing Corp., Bayonne, N. J.

Pyramid Electric Co., 155 Oxford St., Paterson, N. J.

Scott, Inc., Hermon Hosmer, 385 Putnam Ave., Cambridge 39, Mass.

Solar Mfg. Corp., 1445 Hudson Blvd., North Bergen, N. J.

SOMERSET LABORATORIES, INC., 1701 Palisades Ave., Union City, N. J. SEE ADV. PG. 157.

Sprague Electric Co., North Adams, Mass.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

SUPPRESSORS—Parasitic

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.

Carborundum Co., The, Global Div., Niagara Falls, N. Y.

Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.

Coil Winders, Inc., 61 Bergen St., Brooklyn 2, N. Y.

Elliot Mfg. Co., 218 Prospect Ave., Binghamton, N. Y.

ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa. SEE ADV. PG. 109.

INTERNATIONAL RESISTANCE CO., 401 N. Broad St., Philadelphia 8, Pa. SEE ADV. PG. 113.

Network Mfg. Corp., Bayonne, N. J.

OHMITE MFG. CO., 4835 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.

Sprague Electric Co., North Adams, Mass.

SURFACE ANALYZERS AND COMPARATORS

See Analyzers

SUSPENSIONS—Speaker

Hawley Products Co., St. Charles, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

SWITCH PARTS

Call Letter Tabs

Cardy-Lundmark Co., 1801 W. Byron St., Chicago 13, Ill.

Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.

Plastic Fabricators Co., 440 Sansome St., San Jesup-Blair Dr., Silver Spring, Md.

Ports Mfg. Co., 3265 E. Belmont Ave., Fresno 3, Calif.

Printloid, Inc., 95 Mercer St., New York 12, N. Y.

Contacts

Cleveland Tungsten, Inc., 10200 Meech Ave., Cleveland, Ohio

FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., North Chicago, Ill. SEE ADV. PG. 29.

GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.

Gibson Electric Co., 8350 Frankstown Ave., Pittsburgh 21, Pa.

Grammes & Sons Inc., L. F., 389 Union St., Allentown 2, Pa.

Greene Mfg. Corp., G. G., Warren, Pa.

Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.

MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.

National Electrical Machine Shops, Inc., 919 Jesup-Blair Dr., Silver Spring, Md.

SWITCHCRAFT, INC., 1328-30 N. Halsted St., Chicago 22, Ill. SEE ADV. PG. 231.

United Carr Fastener Corp., Cambridge 42, Mass.

Zenith Electric Co., 152 W. Walton St., Chicago 10, Ill.

SWITCHBOARDS—Radio

American Communications Corp., 306 Broadway, New York 7, N. Y.

Continental Electronics, Ltd., 252 Norman Ave., Brooklyn 22, N. Y.

Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.

SWITCHES—Automatic

Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wis.

Autocall Co., The, Shelby, Ohio

Automatic Switch Co., 391 Lakeside Ave., Orange, N. J.

Cook Electric Co., 2700 Southport Ave., Chicago, Ill.

Cooper Co., Clark, 374 N. Market St., Palmyra, N. J.

FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

General Controls Co., Glendale 1, Calif.

Hart Mfg. Co., 110 Bartholomew Ave., Hartford 1, Conn.

Leland, Inc., G. H., 123 Webster St., Dayton 2, Ohio

Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.

Mercoid Corp., The, 4201 Belmont Ave., Chicago 41, Ill.

SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.

Tech Laboratories, Inc., Bergen & Edsall Blvds., Palisades Park, N. J.

WARD LEONARD ELECTRIC CO., 31 South Street, Mt. Vernon, New York. SEE ADV. PG. 151.

SWITCHES—Coaxial Cable

BIRD ELECTRONIC CORP., 1800 E. 38th St., Cleveland 14, Ohio. SEE ADV. PG. 217.

Industrial Products Co., Danbury, Conn.

Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.

Lapp Insulator Co., Inc., 31 Gilbert St., Le Roy, N. Y.

Leland Inc., G. H., 123 Webster St., Dayton 2, Ohio

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.

SIGNAL ENGINEERING & MFG. CO., 154-6 W. 14th St., New York, N. Y. SEE ADV. PG. 223.

Weinschel Engineering Co., 123 William St., New York 7, N. Y.

SWITCHES—Control

Ark-Les Switch Corp., 55 Water St., Watertown 72, Mass.

AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.

Barber Colman Co., Rockford, Ill.

Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.

Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.

ELECTRO SWITCH CORP., 193 Broad St., Weymouth, Mass. SEE ADV. PG. 157.

Federal Electric Products Co., 50 Paris St., Newark, N. J.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

Hart Mfg. Co., 110 Bartholomew Ave., Hartford 1, Conn.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.

Leland, Inc., G. H., 123 Webster St., Dayton 2, Ohio

Magnavox Co., The Components Div., Fort Wayne 4, Ind.

Maritime Quality Hardware Co., Inc., Belfast, Maine

Micro Switch, Div. of First Industrial Corp., 7 Spring St., Freeport, Ill.

Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.

National Electrical Machine Shops, Inc., 919 Jesup-Blair Dr., Silver Spring, Md.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Smith Mfg. Co., Nathan R., 105 Pasadena Ave., So. Pasadena, Calif.

Trumbull Electric Mfg. Co., Plainville, Conn.

Unimax Switch Div. of W. L. Maxson Corp., 460 W. 34th St., New York 1, N. Y.

WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

SWITCHES—Decade

Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon

Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.

Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.

Daven Co., 191 Central Ave., Newark 4, N. J.

GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114-115.

Grigsby-Allison Co., Inc., 407 N. Salem Ave., Arlington Heights, Ill.

Industrial Instruments Inc., 17 Pollack Ave., Jersey City 5, N. J.

Rubicon Co., 3751 Ridge Ave., Philadelphia, Pa.

Shallerross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.

Tech Laboratories, Inc., Bergen & Edsall Blvds., Palisades Park, N. J.
Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.

SWITCHES—Duplex

Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
Unimax Switch Div. of W. L. Maxson Corp., 460 W. 34th St., New York 1, N. Y.

SWITCHES—Electronic

Du Mont Labs, Inc., Allen B., 2 Main Ave., Pas-saic, N. J.
Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
Elpar Co., 326 Cooper St., Camden, N. J.
Fielden Electronics Inc., 1171 New York Ave., Huntington Station, N. Y.
Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass.
General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
Gray Mfg. Co., 16 Arbor St., Hartford, Conn.
Heath Co., Benton Harbor, Mich.
Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
Lumenite Electric Co., 407 S. Dearborn St., Chicago 5, Ill.
Measurement Engineering Ltd., Arnprior, Ontario, Canada
O'Connor & Co., John T., West Orange, N. J.
Photoswitch, Inc., 77 Broadway, Cambridge 42, Mass.
Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
United Carr Fastener Corp., Cambridge 42, Mass.

SWITCHES—Float Type

Alco Valve Co., 865 Kingsland, St. Louis 5, Mo.
Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wis.
Clark Controller Co., 1146 E. 152nd St., Cleveland 10, Ohio
Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
Unimax Switch Div. of W. L. Maxson Corp., 460 W. 34th St., New York 1, N. Y.
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

SWITCHES—Key

Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123.
GENERAL ELECTRIC CO., Construction Materials Dept., Bridgeport 2, Conn. SEE ADV. PGS. 5-18.
Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
Mossman Inc., Donald P., 612 N. Michigan Ave., Chicago 11, Ill.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
SWITCHCRAFT, INC., 1328-30 N. Halsted St., Chicago 22, Ill. SEE ADV. PG. 231.

Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

SWITCHES—Knife

Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
Eagle Electric Mfg. Co., Inc., 23-10 Bridge Plaza S., Long Island City, N. Y.
Federal Electric Products Co., 50 Paris St., Newark, N. J.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
Gregory Mfg. Co., Inc., The, 67 Franklin St., New Haven 11, Conn.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
I-T-E CIRCUIT BREAKER CO., 19th & Hamilton Sts., Phila. 30, Pa. SEE ADV. PGS. 48, 49.
Kolton Electric Mfg. Co., 123 N. J. Railroad Ave., Newark 5, N. J.
Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
Trumbull Electric Mfg. Co., Plainville, Conn.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
Wood Electric Co., Inc., C. D., 70-17 83rd St., Glendale, L. I., N. Y.

SWITCHES—Lever

Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
CENTRALAB, DIV. of Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.
CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123.
Cooper Co., Clark, 374 N. Market St., Palmyra, N. J.
Elpar Co., 326 Cooper St., Camden, N. J.
FEDERAL ELECTRIC PRODUCTS CO., 50 Paris St., Newark, N. J.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL CONTROL COMPANY, 1200 Soldiers Field Rd., Boston 34, Mass. SEE ADV. PG. 16f.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
Mossman Inc., Donald P., 612 N. Michigan Ave., Chicago 22, Ill.
SWITCHCRAFT, INC., 1328-30 N. Halsted St., Chicago 22, Ill. SEE ADV. PG. 231.

SWITCHES—Limit

Acro Electric Co., 1316 Superior Ave., Cleveland, Ohio
Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wis.
Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
Clark Controller Co., 1146 E. 152nd St., Cleveland 10, Ohio
Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
Coral Designs, P. O. Box 248, Forest Hills, N. Y.
Cutler-Hammer, Inc., 315 North 12th St., Milwaukee 1, Wis.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
General Controls Co., Glendale 1, Calif.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
Hetherington & Son, Inc., Robert, Sharon Hill, Pa.
Mercoird Corp., The, 4201 Belmont Ave., Chicago 41, Ill.
Micro Switch, Div. of First Industrial Corp., 7 Spring St., Freeport, Ill.
Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
Mu Switch Div., The Chase Shawmut Co., 38 Pequit St., Canton 31, Mass.

O'Connor, John T. & Co., West Orange, N. J.
Unimax Switch Div. of W. L. Maxson Corp., 460 W. 34th St., New York 1, N. Y.

SWITCHES—Mercury

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
Durakool, Inc., 1010 N. Main St., Elkhart, Ind.
Electronic Enterprises, Inc., 65 7th Ave., Newark 4, N. J.
GENERAL ELECTRIC CO., Construction Materials Dept., Bridgeport 2, Conn. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
Littelfuse, Inc., 4757 Ravenswood Ave., Chicago 40, Ill.
Mack Electrical Devices, Inc., 43 Glenside Ave., Wyncote, Pa.
Mercoird Corp., The, 4201 Belmont Ave., Chicago 41, Ill.
Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
Pass & Seymour, Inc., Solvay Station, Syracuse, N. Y.
Rhodes Inc., M. H. 30 Bartholomew Ave., Hartford, Conn.
Shannon Luminous Materials Co., 7346 Santa Monica Blvd., Hollywood 46, Calif.
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

SWITCHES—Precision Snap Action

Acro Electric Co., 1305 Superior Ave., Cleveland, Ohio
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
Coral Designs, P. O. Box 248, Forest Hills, N. Y.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
Federal Electric Products Co., 50 Paris St., Newark, N. J.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. ADV. PG. 60.
Hetherington & Son Inc., Robert, Sharon Hill, Pa.
Micro Switch, Div. of First Industrial Corp., 7 Spring St., Freeport, Ill.
Mu Switch Div., The Chase Shawmut Co., 38 Pequit St., Canton 31, Mass.
Ucinite Co., The, Div., United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
Unimax Switch Div. of W. L. Maxson Corp., 460 W. 34th St., New York 1, N. Y.
United Carr Fastener Corp., Cambridge 42, Mass.

SWITCHES—Pressure Operated

Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wis.
Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
Cooper Co., Clark, 374 N. Market St., Palmyra, N. J.
Coral Designs, P. O. Box 248, Forest Hills, N. Y.
Cutler-Hammer, Inc., 315 N. 12th St., Milwaukee 1, Wis.
Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
McQuay-Norris Mfg. Co., 2320 Marconi Ave., St. Louis 10, Mo.
Mercoird Corp., The, 4201 Belmont Ave., Chicago 41, Ill.
Mu Switch Div., The Chase Shawmut Co., 38 Pequit St., Canton 31, Mass.
Unimax Switch Div. of W. L. Maxson Corp., 460 W. 34th St., New York 1, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
White-Rodgers Electric Co., 1209 Cass Ave., St. Louis 6, Mo.

SWITCHES—Rotary and Band Change

Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wis.
 Ark-Les Switch Corp., 55 Water St., Watertown 72, Mass.
 Autocall Co., The, Shelby, Ohio
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon
BUD RADIO, INC., 2118 East 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
CENTRALAB DIV., Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Communication Products Co., Inc., Broadway & Clark St., Keyport, N. J.
 Daven Co., 191 Central Ave., Newark 4, N. J.
 Dielectric Products Co., Inc., 125 Virginia Ave., Jersey City 5, N. J.
 Eastern Specialty Co., Philadelphia 40, Pa.
ELECTRO SWITCH CORP., 193 Broad St., Weymouth 88, Mass. SEE ADV. PG. 157.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL CONTROL COMPANY, 1200 Soldiers Field Rd., Boston 34, Mass. SEE ADV. PG. 161.
GENERAL ELECTRIC CO., Construction Materials Dept., Bridgeport 2, Conn. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 175 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Grayhill, 1 N. Pulaski Rd., Chicago 24, Ill.
 Grigsby-Allison Co., Inc., 407 N. Salem Ave., Arlington Heights, Ill.
 J-B-L Instrument Co., Sycamore & Mill Rd., Clifton Hts., Pa.
JBT INSTRUMENTS INC., 441 Chapel St., New Haven 8, Conn. SEE ADV. PG. 229.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Leland, Inc., G. H., 123 Webster St., Dayton 2, Ohio
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
 Oak Mfg. Co., 1260 N. Clybourn Ave., Chicago 10, Ill.
OHMITE MFG. CO., 4835 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.
 Roller-Smith, Bethlehem, Pa.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Stackpole Carbon Co., St. Marys, Pa.
SWITCHCRAFT, INC., 1328-30 N. Halsted St., Chicago 22, Ill. SEE ADV. PG. 231.
 Tech Laboratories, Inc., Bergen & Edsall Blvds., Palisades Park, N. J.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Phila. 44, Pa.
 Ucinite Co., The, Div. United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
 U. S. Instrument Corp., 409 Broad Street, Summit, N. J.

SWITCHES—Safety

Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.
 Federal Electric Products Company, 50 Paris St., Newark, N. J.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.

Hart Mfg. Co., 110 Bartholomew Ave., Hartford 1, Conn.
 Hetherington & Son, Inc., Robert, Sharon Hill, Pa.
 Kolton Electric Mfg. Co., 123 N. J. Railroad Ave., Newark 5, N. J.
 Micro Switch, Div. of First Industrial Corp., 7 Spring St., Freeport, Ill.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Trumbull Electric Mfg. Co., Plainville, Conn.
 Unimax Switch Div. of W. L. Maxson Corp., 460 W-34th St., New York 1, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

SWITCHES—Slide

CENTRALAB DIV., Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.
 Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.
 Dual-Remote Control Co., Garden City, Mich.
 Elpar Co., 326 Cooper St., Camden, N. J.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Muter Co., 1255 S. Michigan Ave., Chicago, Ill.
 Oak Mfg. Co., 1260 N. Clybourn Ave., Chicago 10, Ill.
 Smith, Inc., Hernan H., 405-44th St., Brooklyn 20, N. Y.
 Stackpole Carbon Co., St. Marys, Pa.
 Wirt Co., 5221 Greene Street, Philadelphia, Pa.

SWITCHES—Snap Action

Acro Electric Co., 1316 Superior Ave., Cleveland, Ohio
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
 Chicago Telephone Supply Corp., 1142 W. Beardsley Ave., Elkhart, Ind.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.
 Elpar Co., 326 Cooper St., Camden, N. J.
 Federal Electric Products Company, 50 Paris St., Newark, N. J.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL CONTROL COMPANY, 1200 Soldiers Field Rd., Boston 34, Mass. SEE ADV. PG. 161.
GENERAL ELECTRIC CO., Construction Materials Dept., Bridgeport 2, Conn. SEE ADV. PGS. 5-18.
 Grayhill, 1 N. Pulaski Rd., Chicago 24, Ill.
 Grigsby-Allison Co., Inc., 407 N. Salem Ave., Arlington Heights, Ill.
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Hetherington & Son, Inc., Robert, Sharon Hill, Pa.
 Hubbell, Inc., Harvey, Bridgeport 2, Conn.
 McQuay-Norris Mfg. Co., 2320 Marconi Ave., St. Louis 10, Mo.
 Micro Switch, Div. of First Industrial Corp., 7 Spring St., Freeport, Ill.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
 Mu Switch Div., The Chase Shawmut Co., 38 Pequit St., Canton 31, Mass.
 Muter Co., 1255 S. Michigan Ave., Chicago, Ill.
 Serv-All Mfg. Co., 334 N. Bell Ave., Chicago 12, Ill.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Stackpole Carbon Co., St. Marys, Pa.
 Unimax Switch Corp., Div. of W. L. Maxson Corp., 460 W. 34th St., New York 1, N. Y.
 United Carr Fastener Corp., Cambridge 42, Mass.
 Wood Electric Co., Inc., C. D., 70-17 83rd St., Glendale, New York

SWITCHES—Step Type

Autocall Co., The, Shelby, Ohio
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
CENTRALAB DIV., Globe Union, Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.
CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123.
 Collins Radio Co., Cedar Rapids, Iowa
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 Daven Co., 191 Central Ave., Newark 4, N. J.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GUARDIAN ELECTRIC MFG. CO., 1621 W. Walnut St., Chicago 12, Ill. SEE ADV. PG. 60.
 Industrial Timer Corp., 115 Edison Pl., Newark 5, N. J.
 Leland, Inc., G. H., 123 Webster St., Dayton 2, Ohio
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Tech Laboratories, Inc., Bergen & Edsall Blvds., Palisades Park, N. J.

SWITCHES—Tap

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon
CENTRALAB DIV., Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Communication Products Co., Inc., Broadway & Clark St., Keyport, N. J.
 Eastern Specialty Co., Philadelphia 40, Pa.
 Ecco High Frequency Corp., 7020 Hudson Blvd., North Bergen, N. J.
ELECTRO SWITCH CORP., 193 Broad St., Weymouth 88, Mass. SEE ADV. PG. 157.
 Grigsby-Allison Co., Inc., 407 N. Salem Ave., Arlington Heights, Ill.
 J-B-L Instrument Co., Sycamore & Mill Rd., Clifton Hts., Pa.
OHMITE MFG. CO., 4835 W. Flournoy St., Chicago 44, Ill. SEE ADV. PG. 201.
 Peerless X-Ray Labs. & Mfg. Corp., 467 10th Ave., New York 18, N. Y.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
SWITCHCRAFT, INC., 1328-30 N. Halsted St., Chicago 22, Ill. SEE ADV. PG. 231.
 Tech Laboratories, Inc., Bergen & Edsall Blvds., Palisades Park, N. J.

SWITCHES—Thermal

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
 Burling Instrument Co., 253 Springfield Ave., Newark 3, N. J.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 Cooper Co., Clark, 374 N. Market St., Palmyra, N. J.
 Edison, Inc., Thomas A., Instrument Div., West Orange, N. J.
 Fenwal Inc., 43A Pleasant St., Ashland, Mass.
GENERAL ELECTRIC CO., Construction Materials Dept., Bridgeport 2, Conn. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Hartman Electrical Mfg. Co., 175 N. Diamond St., Mansfield, Ohio
 Mack Electrical Devices Inc., 43 Glenside Ave., Wyncote, Pa.
 Manning, Maxwell & Moore, Inc., 11 Elias St., Bridgeport 2, Conn.

Micro Switch, Div. of First Industrial Corp., 7 Spring St., Freeport, Ill.
 Standard Electrical Products Co., Dayton 3, Ohio
 Ulanet Co., George, 413 Market St., Newark 5, N. J.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 White-Rodgers Electric Co., 1209 Cass Ave., St. Louis 6, Mo.

SWITCHES—Time

Autocall Co., The, Shelby, Ohio
 Automatic Temperature Control Co., Inc., 5212 Pulaski Ave., Phila. 44, Pa.
CRAMER CO., INC., R. W., Centerbrook, Conn. SEE ADV. PG. 99.
 Electyme Motor Products Corp., 565 W. Washington Blvd., Chicago 6, Ill.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Haydon Co., A. W., The, 111 W. Main St., Waterbury 32, Conn.
HAYDON MFG. CO., INC., 584 E. Elm St., Torrington, Conn. SEE ADV. PGS. 68, 69.
 Industrial Timer Corp., 115 Edison Pl., Newark 5, N. J.
 Landis & Gyr, Inc., 104 Fifth Ave., New York 11, N. Y.
 Lumenite Electric Co., 407 S. Dearborn St., Chicago 5, Ill.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 Maritime Quality Hardware Co., Inc., Belfast, Maine
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
 Paragon Electric Co., Two Rivers, Wis.
 Reliance Automatic Lighting Co., 1927 Mead St., Racine, Wis.
 Rhodes, Inc., M. H., 30 Bartholomew Ave., Hartford, Conn.
 Sangamo Electric Co., Springfield, Ill.
 Selector Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 Tech Laboratories, Inc., Bergen & Edsall Bldvs., Palisades Park, N. J.
 Tork Clock Co., Inc., 1 Grove St., Mt. Vernon, N. Y.
 Trumbull Electric Mfg. Co., Plainville, Conn.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Zenith Electric Co., 152 W. Walton St., Chicago 10, Ill.

SWITCHES—Toggle and Pushbutton

Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wis.
 Ark-Les Switch Corp., 55 Water St., Watertown 72, Mass.
 Birnbach Radio Co. Inc., 145 Hudson St., New York, N. Y.
BUD RADIO, INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
 Carter Radio Div., Precision Parts Co., 213 Institute Place, Chicago 10, Ill.
CLARE & CO., C. P., 4719 Sunnyside Ave., Chicago 30, Ill. SEE ADV. PG. 123.
 Clark Controller Co., 1146 E. 152nd St., Cleveland 10, Ohio
 Cutler-Hammer Inc., 315 North 12th St., Milwaukee 1, Wis.
 Eagle Electric Mfg. Co., Inc., 23-10 Bridge Plaza S., Long Island City, N. Y.
 Electric Auto-Lite Co., The, Toledo 1, Ohio
 Elpar Co., 326 Cooper St., Camden, N. J.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
GENERAL CONTROL COMPANY, 1200 Soldiers Field Rd., Boston 34, Mass. SEE ADV. PG. 161.
GENERAL ELECTRIC CO., Construction Materials Dept., Bridgeport, Conn. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Grayhill, 1 N. Pulaski Rd., Chicago 24, Ill.

Grigsby-Allison Co., Inc., 407 N. Salem Ave., Arlington Heights, Ill.
 Hart Mfg. Co., 110 Bartholomew Ave., Hartford 1, Conn.
 Hetherington & Son, Inc., Robert, Sharon Hill, Pa.
 Howard Mfg. Corp., 1401 South Main St., Council Bluffs, Iowa
 Hubbell, Inc., Harvey, Bridgeport 2, Conn.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Kulka Electric Mfg. Co., Inc., 30 South St., Mt. Vernon, N. Y.
MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 Maritime Quality Hardware Co. Inc., Belfast, Maine
 Micro Switch Div., First Industrial Corp., 7 Spring St., Freeport, Ill.
 Morse Co., Frank W., 1300 Soldiers Field Rd., Boston 35, Mass.
 Mossman Inc., Donald P., 612 N. Michigan Ave., Chicago 11, Ill.
 Murdock Mfg. Co., Wm. J., Chelsea, Mass.
 Muter Co., 1255 S. Michigan Ave., Chicago, Ill.
 Oak Mfg. Co., 1260 N. Clybourn Ave., Chicago 10, Ill.
 Pass & Seymour, Inc., Solvay Station, Syracuse, N. Y.
 Power Equipment Co., 55 Antoinette St., Detroit 2, Mich.
 R. B. M. Div., Essex Wire Corp., Logansport, Ind.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Stackpole Carbon Co., St. Marys, Pa.
SWITCHCRAFT, INC., 1328-30 N. Halsted St., Chicago 22, Ill. SEE ADV. PG. 231.
 Trumbull Electric Mfg. Co., Plainville, Conn.
 Ucinite Co., The, Div. United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wood Electric Co., Inc., C. D., 70-17 83rd St., Glendale, New York

SWITCHES—TR

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Gorham Co., Bronze Div., Providence 7, R. I.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Technical Materiel Corporation, The, 453 West 47th Street, New York 19, N. Y.

SWITCHES—Vacuum

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.
 Eitel-McCullough Inc., San Bruno, Calif.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. ADV. PG. 215.
 Mack Electrical Devices Inc., 43 Glenside Ave., Wyncote, Pa.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
 Skaneateles Mfg. Co., Inc., 122 Dickerson St., Syracuse, N. Y.

SYNCHRONIZERS—Electronic

Acme Electronix Div., of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.

ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Burlington Instrument Co., Burlington, Iowa
 Control Corp., 718 Central Ave., Minneapolis 14, Minn.
 DeMornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 Electro Products Labs., Inc., 549 W. Randolph St., Chicago 6, Ill.
 Lyman Electronic Corp., 12 Cass St., Springfield, Mass.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.

SYNCHRONIZERS—Electronic Aircraft Magneto

Aircraft Electronics Associates, Inc., 1031 New Britain Ave., Hartford 10, Conn.
 Lyman Electronic Corp., 12 Cass St., Springfield, Mass.
 Scintilla-Magneto Div., Bendix Aviation Corp., Sidney, N. Y.
SPERRY GYROSCOPE CO., Div. of Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

SYNCSOCPES

American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
ATOMIC INSTRUMENT CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Electronic Engineers, 1039 B Pacific St., Santa Monica, Calif.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
KOLLSMAN INSTRUMENT DIV. of Square D Co., 80-08 45th Ave., Elmhurst, N. Y. SEE ADV. PG. 36.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
POLARAD ELECTRONICS CO., 9 Ferry St., New York 7, N. Y. SEE ADV. PG. 228.
 Radar Engineers, 110 University St., Seattle 1, Wash.
 Roller-Smith, Bethlehem, Pa.
 Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
TEKTRONIX, INC., 712 S. E. Hawthorne Blvd., Portland 14, Ore. SEE ADV. PG. 32.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE AV. PG. 193.

TACHOMETERS—Electronic

Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Biddle Co., James G., 1316 Arch St., Philadelphia 7, Pa.
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Edin Electronics Co., 207 Main St., Worcester, Mass.
 Electric Heat Control Co., The, 9123 Inman Ave., Cleveland 5, Ohio
ELECTRIC INDICATOR CO., 21 Parker Ave., Stamford, Conn. SEE ADV. PG. 136.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Electronic Supply Co., 207 Main St., Worcester, Mass.
 Foxboro Co., The, Foxboro, Mass.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
 Ideal Industries, Inc., Park & Borden Avenues, Sycamore, Ill.

Jones Motorola Corp., 432 Fairfield Ave., Stamford, Conn.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Metron Instrument Co., 432 Lincoln St., Denver 9, Colo.
 Photocon Research Products, 1062 N. Allen Ave., Pasadena 7, Calif.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
 Ripley Co. Inc., P. O. Box 31, Middletown, Conn.
 Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Avenue, Newark 5, N. J. SEE ADV. PG. 193.
 Zernickow Co., O., 15 Park Row, New York 7, N. Y.

TAPE—Magnetic Recorder

Ampex Electric Corp., 1155 Howard Ave., San Carlos, Calif.
BRUSH DEVELOPMENT CO., THE, 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Communication Accessories Co., Box 345, 110th St. & Hillcrest Rd., Hickman Hills, Missouri
 Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
 Eckert-Mauchly Computer Corp., 3747 Ridge Ave., Philadelphia 32, Pa.
 Fidelitone Corp., 1616 Devon Ave., Chicago 26, Ill.
INDIANA STEEL PRODUCTS CO., 6 N. Michigan Ave., Chicago 2, Ill. SEE ADV. PG. 198.
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Minnesota Mining & Mfg. Co., 900 Fauquier Ave., St. Paul, Minn.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Rangertone, Inc., 73 Winthrop St., Newark 4, N. J.
 Rowe Industries, 1702 Wayne St., Toledo 9, Ohio
 Webster Engineering Co., 105 Tenth St., N. E., Cedar Rapids, Iowa

TAPES

See Insulation Parts

TELEMETERING SYSTEMS—Electronic

Airlectron, P. O. Box 151, Caldwell, N. J.
 Alfax Paper & Engineering Co., 40 Riverside Ave., Brockton 27 E. B., Mass.
 Applied Science Corp., of Princeton, The, P. O. Box 44, Princeton, N. J.
 Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, North Hollywood, Calif.
 Control Corp., 718 Central Ave., Minneapolis 14, Minn.
 Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
 Hastings Instrument Co., Box 1275, Hampton, Va.
 Leupold & Stevens Instruments, 4445 N. E. Glisan St., Portland 13, Ore.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Lynch Co., F. W., 151 2nd St., San Francisco, Calif.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
 Miller Corp., M., 362 W. Colorado St., Pasadena, Calif.
 Nilsson Electrical Lab., Inc., 103 Lafayette St., New York 13, N. Y.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Rosen Engineering Products, Inc., Raymond, 32nd & Walnut Sts., Phila. 4, Pa.
 Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Techno-Scientific Co., 901 Nepperhan Ave., Yonkers 3, N. Y.
 Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 863, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Yardeny Laboratories, Inc., 105 Chambers Street, New York 7, N. Y.

TELEPHONES—Handsets

Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
 Connecticut Telephone & Electric Div., Great American Industries, 70 Britannia St., Meriden, Conn.
 Farmers' Engineering & Mfg. Co., 549 Brushton Ave., Pittsburgh, Pa.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Hose-McCann Telephone Co., Inc., 25th St. & 3rd Ave., Brooklyn 32, N. Y.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Murdock Mfg. Co., Wm. J., Chelsea, Mass.
 North Electric Mfg. Co., 501 S. Market St., Galion, Ohio
 Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Stromberg-Carlson Co., Rochester, N. Y.
 Telephonics Corp., 350 W. 31st St., New York 1, N. Y.
TURNER CO., THE, 909 17th Street, N. E., Cedar Rapids, Iowa. SEE ADV. PG. 96.
 U. S. Instrument Corp., 409 Broad St., Summit, N. J.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

TELEVISION SYSTEMS—Industrial

Commercial Radio Sound Corp., 575 Lexington Ave., New York 22, N. Y.
 Coronet Radio & Television Corp., 500 West 52nd St., New York 19, N. Y.
 Douglas Radio Labs., 40 Wayland St., Boston 25, Mass.
 Electronic Apparatus, Inc., 186 Union Ave., New Rochelle, N. Y.
 Emerson Radio & Phonograph Corp., 111 8th Ave., New York, N. Y.
 Industrial Television Inc., 359 Lexington Ave., Clifton, N. J.
 Intra Video Corp. of America, 851 Madison Ave., New York 21, N. Y.
 La Magna Mfg. Co., East Rutherford, N. J.
 Magnavision, Inc., 1546 Second Ave., New York 28, N. Y.
 Multiple Television Mfg. Co., 987 Hegeman Ave., Brooklyn 8, N. Y.
 North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
POLARAD ELECTRONICS CO., 9 Ferry St., New York, 7, N. Y. SEE ADV. PG. 228.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Remington Rand, Inc., Systems Div., Vericon Dept., South Norwalk, Conn.
 Symphony Radio & Television Corp., 721 N. Martel Ave., Los Angeles 46, Calif.
 Taybern Equipment Co., 120 Greenwich St., New York 6, N. Y.

Telequip Radio Co., 1901 S. Washtenaw, Chicago, Ill.
 Tele-Video Corp., 241 Fairfield Ave., Upper Darby, Pa.
 Television Equipment Corp., 238 William St., New York 7, N. Y.
 TELvision Labs., Inc., 542 N. Parkside Ave., Chicago 44, Ill.
 Television Projects, Inc., 3660 Coral Way, Miami 35, Fla.

TERMINAL BLOCKS

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Aircraft-Marine Products, Inc., 1523 N. Fourth St., Harrisburg, Pa.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
 Autocall Co., The, Shelby, Ohio
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.
 Buchanan Electrical Products Corp., 1290 Central Ave., Hillside, N. J.
 Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
 Burke Electric Co., 12th & Cranberry Sts., Erie, Pa.
 Burndy Engineering Co., Inc., 107 Bruckner Blvd., New York 54, N. Y.
CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
 Cannon Electric Development Co., 3209 Humboldt St., Los Angeles 31, Calif.
CENTRALAB DIV., Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Coil Winders Inc., 61 Bergen St., Brooklyn 2, N. Y.
CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Del. SEE ADV. PGS. 119-122.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 Curtis Development & Mfg. Co., 1 N. Crawford Ave., Chicago 24, Ill.
 Electrical Insulation Co., Inc., 12 Vestry St., New York, N. Y.
 Electronic Mechanics Inc., 70 Clifton Blvd., Clifton, N. J.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Fornica Insulation Co., 4662 Spring Grove Ave., Cincinnati 32, Ohio
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 General Ceramics & Steatite Corp., Keasbey, N. J.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Hart Mfg. Co., 110 Bartholomew Ave., Hartford 1, Conn.
 Insulation Mfg. Co., 11 New York Ave., Brooklyn, N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., L. I. City, N. Y. SEE ADV. PG. 80.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
 Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
 Kolton Electric Mfg. Co., 123 New Jersey Railroad Ave., Newark 5, N. J.
 Kulka Electric Mfg. Co., Inc., 30 South St., Mt. Vernon, N. Y.
 Littelfuse, Inc., 4757 Ravenswood Ave., Chicago 40, Ill.

Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Micarta Fabricators, Inc., 5324 Ravenswood Ave., Chicago 40, Ill.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
 Multi-Products Tool Co., 123 Sussex Ave., Newark 4, N. J.
 Murdock Mfg. Co., Wm. J., Chelsea, Mass.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 Panelyte Div., St. Regis Paper Co., 230 Park Ave., New York, N. Y.
 Plastic Manufacturers Inc., 280 Fairfield Ave., Stamford, Conn.
 Precision Metal Products Co., 342 Eastern Ave., Malden 48, Mass.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Printloid Inc., 95 Mercer St., New York, N. Y.
 R. B. M. Div., Essex Wire Corp., Logansport, Ind.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Standard Electrical Products Co., Dayton 3, Ohio
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 States Co., 19 New Park Ave., Hartford 6, Conn.
 Taylor Fibre Co., Norristown, Pa.
 Ther Electric & Machine Works, 17 S. Jefferson St., Chicago, Ill.
 U. S. Instrument Corp., 409 Broad St., Summit, N. J.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TERMINAL BOARDS

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
 Ark-Les Switch Corp., 55 Water St., Watertown 72, Mass.
 Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 Autocall Co., The, Shelby, Ohio
 Baer Co., N. S., 9 Montgomery St., Hillside, N. J.
 Buchanan Electrical Products Corp., 1290 Central Ave., Hillside, N. J.
CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
CENTRALAB DIV., Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
CINCH MANUFACTURING CORP., 2335 W. Van Buren Street, Chicago 12, Ill. SEE ADV. PG. 190.
 Coil Winders Inc., 61 Bergen St., Brooklyn 2, N. Y.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Collins Radio Co., Cedar Rapids, Iowa
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 Dietz Design & Mfg. Co., 5810 Park Ave., Kansas City 4, Mo.
 Eby, Inc., Hugh H., 4700 Stenton Ave., Philadelphia 44, Pa.
 Electrical Insulation Co., Inc., 12 Vestry St., New York 13, N. Y.
 Electronic Mechanics Inc., 70 Clifton Blvd., Clifton, N. J.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 Five Star Radio Co., 416 Broadway, Cambridge, Mass.
 Formica Insulation Co., 4662 Spring Grove Ave., Cincinnati 32, Ohio
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 General Ceramics & Steatite Corp., Keasbey, N. J.

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Greenhut Insulation Co., 31 W. 21st St., New York, N. Y.
 Insulation Mfg. Co., 11 New York Ave., Brooklyn, N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Johnson Co., E. F., Waseca, Minn.
JONES, HOWARD B., Div. Cinch Mfg. Corp., 2460 W. George St., Chicago 18, Ill. SEE ADV. PG. 190.
 Joyner Corp., The, 462 N. Parkside Ave., Chicago 44, Ill.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
 Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
 Kolton Electric Mfg. Co., 123 N. J. R. R. Ave., Newark 5, N. J.
 Kulka Electric Mfg. Co., Inc., 30 South St., Mt. Vernon, N. Y.
 Masonite Corp., 111 W. Washington St., Chicago 2, Ill.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Micarta Fabricators, Inc., 5324 Ravenswood Ave., Chicago 40, Ill.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
 Multi-Products Tool Co., 123 Sussex Ave., Newark 4, N. J.
 Mykroy Inc., Arlington Heights Airport, Arlington Heights, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 Plastic Manufacturers Inc., 280 Fairfield Ave., Stamford, Conn.
 Precision Metal Products Co., 342 Eastern Ave., Malden 48, Mass.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Printloid Inc., 95 Mercer St., New York, N. Y.
 Sheffco Mfg. Co., 116 W. Ruby Ave., Palisades Park, N. J.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Standard Electrical Products Co., Dayton 3, Ohio
 States Co., 19 New Park Ave., Hartford 6, Conn.
 Ucinite Co., The, Div. United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
 United Radio Mfg. Co., 191 Greenwich St., New York, N. Y.
 Yates Engineering Services, Box 67, Cranford, N. J.

TERMINAL STRIPS

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Aircraft-Marine Products, The, 1523 N. Fourth St., Harrisburg, Pa.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
AMERICAN PHENOLIC CORP., 1830 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Ark-Les Switch Corp., 55 Water St., Watertown 72, Mass.
 Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 Autocall Co., The, Shelby, Ohio
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.
 Buchanan Electrical Products Corp., 1290 Central Ave., Hillside, N. J.
 Burdy Engineering Co., Inc., 107 Bruckner Blvd., New York 54, N. Y.
CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.

Cannon Electric Development Co., 3209 Humboldt St., Los Angeles 31, Calif.
CENTRALAB DIV., Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wisc. SEE ADV. PGS. 26, 27.
CINCH MFG. CORP., 2334 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
 Coil Winders Inc., 61 Bergen St., Brooklyn 2, N. Y.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 Eby, Inc., Hugh H., 4700 Stenton Ave., Philadelphia 44, Pa.
 Electrical Insulation Co., Inc., 12 Vestry St., New York 13, N. Y.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Five Star Radio Co., 416 Broadway, Cambridge, Mass.
 Formica Insulation Co., 4662 Spring Grove Ave., Cincinnati 32, Ohio
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 General Ceramics & Steatite Corp., Keasbey, N. J.
 Greene Mfg. Corp., G. G., Warren, Pa.
HERMETIC SEAL PRODS. CO., 29-37 South 6th St., Newark, N. J. SEE ADV. PG. 223.
 Insulation Mfg. Co., 11 New York Ave., Brooklyn, N. Y.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Johnson Co., E. F., Waseca, Minn.
JONES, HOWARD B., Div., Cinch Mfg. Corp., 2460 W. George St., Chicago 18, Ill. SEE ADV. PG. 190.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
 Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
 Kolton Electric Mfg. Co., 123 N. J. R. R. Ave., Newark 5, N. J.
 Littelfuse, Inc., 4757 Ravenswood Ave., Chicago 40, Ill.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Micarta Fabricators, Inc., 5324 Ravenswood Ave., Chicago 40, Ill.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
 Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
 Mykroy, Inc., Arlington Heights Airport, Arlington Heights, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 Northern Industrial Chemical Co., 7-11 Elkins St., South Boston 27, Mass.
 Panelyte Div., St. Regis Paper Co., 230 Park Ave., New York, N. Y.
 Penn-Union Electric Corp., 315 State Street, Erie, Pa.
 Precision Fabricators, Inc., Roosevelt Rd., E. Rochester, N. Y.
 Precision Metal Products Co., 342 Eastern Ave., Malden 48, Mass.
 Printloid Inc., 95 Mercer St., New York, N. Y.
 Sheffco Mfg. Co., 116 W. Ruby Ave., Palisades Park, N. J.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Standard Electrical Products Co., Dayton 3, Ohio
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 States Co., 19 New Park Ave., Hartford 6, Conn.
 Ucinite Co., The, Div. United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
 Waterbury Companies, Inc., Waterbury 90, Conn.

West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 Wheaton Co., T. C., Industrial Div., 220 G St., Millville, N. J.
 Yates Engineering Services, Box 67, Cranford, N. J.

TERMINALS

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Aircraft-Marine Prods., Inc., 1523 No. 4th St., Harrisburg, Pa.
 Ark-Les Switch Corp., 55 Water St., Watertown 72, Mass.
 Bead Chain Manufacturing Co., 110 Mountain Grove St., Bridgeport 5, Conn.
 Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
 Buchanan Electrical Products Corp., 1290 Central Ave., Hillside, N. J.
 Burndy Engineering Co., Inc., 107 Bruckner Blvd., New York 54, N. Y.
CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
 Cannon Electric Development Co., 3209 Humboldt St., Los Angeles 31, Calif.
CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 Dante Electric Mfg. Co., Bantam, Conn.
 Dietz Design & Mfg. Co., 5810 Park Ave., Kansas City 4, Mo.
 Eastern Specialty Co., Philadelphia 40, Pa.
 Eby, Inc., Hugh H., 4700 Stenton Ave., Phila. 44, Pa.
 Electronic Mechanics, Inc., 70 Clifton Blvd., Clifton, N. J.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 Frankel Connector Co., 177 Hudson St., New York, N. Y.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Grammes & Sons, Inc., L. F., 389 Union St., Allentown 2, Pa.
 Ilco Copper Tube & Products Inc., Mariemont Ave., Mariemont, Cincinnati 27, Ohio
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Johnson Co., E. F., Waseca, Minn.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
 Koltan Electric Mfg. Co., 123 N. J. Railroad Ave., Newark 5, N. J.
 Littelfuse Inc., 4757 Ravenswood Ave., Chicago 40, Ill.
 McQuay-Norris Mfg. Co., 2320 Marconi Ave., St. Louis 10, Mo.
 Micarta Fabricators, Inc., 5324 Ravenswood Ave., Chicago 40, Ill.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Morse Co., Frank W., 1300 Soldiers Field Rd., Boston 35, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
PATTON-MACGUYER CO., 17 Virginia Ave., Providence 5, R. I. SEE ADV. PG. 184.
 Precision Metal Products Co., 342 Eastern Ave., Malden 48, Mass.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Shakeproof Inc., Div. of Ill. Tool Wks., 2501 N. Keeler Ave., Chicago 39, Ill.
 Sheffco Mfg. Co., 116 W. Ruby Ave., Palisades Park, N. J.
 Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.

STAVAR CO., INC., 91 Pearl St., Brooklyn 1, N. Y. SEE ADV. PG. 188.
 Stimpson Co., Inc., Edwin B., 74 Franklin Ave., Brooklyn 5, N. Y.
 Technical Materiel Corporation, The, 453 West 47th Street, New York 19, N. Y.
 Thompson-Bremer & Co., 1640 W. Hubbard St., Chicago, Ill.
 Waterbury Companies, Inc., Waterbury 90, Conn.
 Whitaker Cable Corp., Kansas City 16, Mo.

TERMINALS—Hermetically Sealed

Bead Chain Manufacturing Co., 110 Mountain Grove St., Bridgeport 5, Conn.
 Cook Electric Co., 2700 Southport Ave., Chicago, Ill.
 Corning Glass Works, Corning, N. Y.
ELECTRICAL INDUSTRIES, INC., 42 Summer Ave., Newark 4, N. J. SEE ADV. PG. 132.
ELECTRO-SEAL CORP., 946 Lee St., Des Plaines, Ill. SEE ADV. PG. 90.
 Electronic Mechanics, Inc., 70 Clifton Blvd., Clifton, N. J.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 General Ceramics & Steatite Corp., Keasbey, N. J.
 Fusite Corp., Carthage at Hannaford, Cincinnati 12, Ohio
 Hermaseal Co., Inc., Riverside Dr., Elkhart, Ind.
HERMETIC SEAL PRODUCTS CO., 29-37 South 6th St., Newark, N. J. SEE ADV. PG. 223.
 Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.
 Lunday Associates, Mfg. Div., 694 Main St., Waltham 54, Mass.
 Multi-Products Tool Co., 123 Sussex Ave., Newark 4, N. J.
 Mykroy Inc., Arlington Heights Airport, Arlington Heights, Ill.
STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.
 Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 3, Calif.
 Vitrosec Corp., The, 918 Oak St., Wyoming, Cincinnati 15, Ohio
 Wheaton Co., T. C., Industrial Division, 220 G Street, Millville, N. J.

TEST CHAMBERS

See Chambers, Test

TESTERS—Automatic Tube and Set

BUCK ENGINEERING CO., 37-41 Marcy St., Freehold, N. J. SEE ADV. PG. 224.
 Coastwise Electronics Corp., 130 N. Beaudry Ave., Los Angeles, Calif.
 Conant Labs., 6500 O St., Lincoln 5, Neb.
 Dayco Radio Corp., 915 Valley St., Dayton 4, Ohio
 Ecco High Frequency Corp., 7020 Hudson Blvd., North Bergen, N. J.
ELECTRONIC INSTRUMENT CO., INC., 276 Newport St., Brooklyn 12, N. Y. SEE ADV. PG. 223.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Jackson Electrical Instrument Co., 16 S. Patterson Blvd., Dayton 1, Ohio
 MacLeod & Hanopol, 10 Joiner St., Charlestown 29, Mass.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Peirce Wire Recorder Corp., 1328 Sherman Ave., Evanston, Ill.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 Radio City Products Co., Inc., 152 W. 25th St., New York 1, N. Y.
 Simpson Electric Co., 5218 W. Kinzie St., Chicago, Ill.

Star Measurements Co., 442 East 166th St., New York 56, N. Y.
 Supreme, Inc., Greenwood, Miss.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Triplett Electrical Instrument Co., 286 Harmon Rd., Bluffton, Ohio
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
 Weston Laboratories, Weston 93, Mass.

TESTERS—Battery

Bowers Battery & Spark Plug Co., Reading, Pa.
 Chaslyn Co., The, 1952 Irving Park Bldg., Chicago 13, Ill.
 Columbus Electronics Corp., 229 S. Waverly St., Yonkers, N. Y.
 Daven Co., 191 Central Ave., Newark 4, N. J.
 Electric Heat Control Co., 9123 Inman Ave., Cleveland 5, Ohio
 Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Industrial Electronics & Transformer Co., 1809 E. Slauson Ave., Los Angeles 11, Calif.
 International Instruments, Inc., 331 East St., New Haven 11, Conn.
J B T INSTRUMENTS, INC., 441 Chapel St., New Haven 8, Conn. SEE ADV. PG. 229.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Precision Apparatus Co., Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
STERLING MFG. CO., 9205 Detroit Ave., Cleveland 2, Ohio. SEE ADV. PG. 232.
 Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
 Supreme, Inc., Greenwood, Miss.
 Triplett Electrical Instruments Co., 286 Harmon Rd., Bluffton, Ohio
 Willard Storage Battery Co., 246 E. 131st St., Cleveland 1, Ohio

TESTERS—Capacitor

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass.
 Bradshaw Instruments Co., 348 Livingston St., Brooklyn 17, N. Y.
 Clippard Instrument Laboratory, Inc., 1125 Bank St., Cincinnati 14, Ohio
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Conant Labs., 6500 O St., Lincoln 5, Neb.
 Electric Heat Control Co., 9123 Inman Ave., Cleveland 5, Ohio
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Heath Co., Benton Harbor, Mich.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Jackson Electrical Instrument Co., 16 S. Patterson Blvd., Dayton 1, Ohio
 MacLeod & Hanopol, 10 Joiner St., Charlestown 29, Mass.
 McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Network Manufacturing Corp., Bayonne, N. J.
 Radio City Products Co., Inc., 152 W. 25th St., New York 1, N. Y.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Solar Mfg. Corp., 1445 Hudson Blvd., North Bergen, N. J.
 Sprague Electric Co., North Adams, Mass.
UNITED CONDENSER CORP., 337 E. 139th St., New York 54, N. Y. SEE ADV. PG. 225.

WESTON ELECTRICAL INSTRUMENT CORP.,
618 Freylinghuysen Ave., Newark 5, N. J.
SEE ADV. PG. 193.
Weston Laboratories, Weston 93, Mass.
Wheeler Laboratories, Inc., 259-09 Northern Blvd.,
Great Neck, N. Y.

TESTERS—Circuit

Bradshaw Instrument Co., 348 Livingston St.,
Brooklyn 17, N. Y.
Cole Instrument Co., 1320 S. Grand Ave., Los
Angeles 15, Calif.
Conant Labs., 6500 O St., Lincoln 5, Neb.
Eagle Electric Mfg. Co., Inc., 23-10 Bridge Plaza
S., Long Island City, N. Y.
Electronic Development Co., 4420 No. 23rd St.,
Omaha 11, Nebraska
ELECTRONIC INSTRUMENT CO., INC., 276
Newport St., Brooklyn 12, N. Y. SEE ADV.
PG. 233.
Espey Mfg. Co., Inc., 528 E. 72nd St., New York,
N. Y.
Feiler Engineering Co., 945 W. George St., Chi-
cago 14, Ill.
General Cement Mfg. Co., 919 Taylor Ave., Rock-
ford, Ill.
GENERAL ELECTRIC CO., Electronics Dept.,
Syracuse, N. Y. SEE ADV. PGS. 5-18.
Heath Co., Benton Harbor, Mich.
Hickok Electrical Instrument Co., 10514 Dupont
Ave., Cleveland, Ohio
Jackson Electrical Instrument Co., 16 S. Patter-
son Blvd., Dayton 1, Ohio
Kellogg Switchboard & Supply Co., 6650 S.
Cicero Ave., Chicago 38, Ill.
Littelfuse Inc., 4757 Ravenswood Ave., Chicago
40, Ill.
Martindale Electric Co., Box 617 Edgewater
Branch, Cleveland 7, Ohio
Measurement Engineering Ltd., Arnprior, Ontario,
Canada
Metropolitan Electronics & Instruments Co., 42
Warren St., New York 7, N. Y.
Philco Corp., Tioga & C Sts., Phila. 34, Pa.
Precision Apparatus Co., Inc., 92-27 Horace Hard-
ing Blvd., Elmhurst, N. Y.
Press Wireless Mfg. Co., Inc., Cantigue Rd.,
Hicksville, L. I., N. Y.
Radio City Products Co., Inc., 152 W. 25th St.,
New York 1, N. Y.
Reiner Electronics Co., 152 W. 25th Street,
New York, N. Y.
Roller-Smith, Bethlehem, Pa.
Sittler Corporation, 18 N. Ada Street, Chicago 7,
Ill.
Special Products Co., Silver Spring, Maryland
Supreme, Inc., Greenwood, Miss.
WESTINGHOUSE ELECTRIC CORP., P. O. Box
868, Pittsburgh 30, Pa. SEE ADV. PGS.
66, 67.
WESTON ELECTRICAL INSTRUMENT CORP.,
618 Freylinghuysen Ave., Newark 5, N. J. SEE
ADV. PG. 193.

TESTERS—Coating Thickness

American Instrument Co., 8030 Georgia Ave.,
Silver Spring, Md.
Branson Instruments, Inc., 436 Fairfield Ave.,
Stamford, Conn.
Gardner Lab., Inc., Henry A., 4723 Elm St.,
Bethesda 14, Md.

TESTERS—Coil

Conant Labs., 6500 O St., Lincoln 5, Neb.
Electric Heat Control Co., 9123 Inman Ave.,
Cleveland 5, Ohio
Feiler Engineering Co., 945 W. George St.,
Chicago 14, Ill.
GENERAL ELECTRIC CO., Schenectady 5, N. Y.
SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Electronics Dept.,
Syracuse, N. Y. SEE ADV. PGS. 5-18.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG.
209.
Kartron, Inc., Box 472, Huntington Beach, Calif.
Pioneer Electric & Research Corp., The, 7212
Circle Ave., Forest Park, Ill.
Radex Corp., 2076 N. Elston Ave., Chicago 14,
Ill.
Rubicon Co., 3751 Ridge Ave., Phila., Pa.

Shallcross Mfg. Co., 10 Jackson Ave., Collingdale,
Pa.
WESTON ELECTRICAL INSTRUMENT CORP.,
618 Freylinghuysen Ave., Newark 5, N. J. SEE
ADV. PG. 193.
Wheeler Laboratories, Inc., 259-09 Northern
Blvd., Great Neck, N. Y.

TESTERS—Continuity

Cole Instrument Co., 1320 S. Grand Ave., Los
Angeles 15, Calif.
Douglas Radio Labs., 40 Wayland St., Boston 25,
Mass.
Electronic Development Co., 4420 N. 23rd St.,
Omaha 11, Nebraska
Feiler Engineering Co., 945 W. George St., Chi-
cago 14, Ill.
GENERAL ELECTRIC CO., Electronics Dept.,
Syracuse, N. Y. SEE ADV. PGS. 5-18.
Heath Co., Benton Harbor, Mich.
Hickok Electrical Instrument Co., 10514 Du-
pont Ave., Cleveland, Ohio
Leco Engineering Corp., Box 908, Lincoln, Nebr.
Measurement Engineering Ltd., Arnprior, Ontario,
Canada
Philco Corp., Tioga & C Sts., Phila. 34, Pa.
Shallcross Mfg. Co., 10 Jackson Ave., Collingdale,
Pa.
Special Products Co., Silver Spring, Maryland
Supreme, Inc., Greenwood, Miss.
Thermionic Engineering Corp., Pompton Plains,
N. J.
Triplett Electrical Instrument Co., 286 Harmon
Road, Buffton, Ohio
Weston Laboratories, Weston 93, Mass.

TESTERS—Crystal Testing

CLARK CRYSTAL CO., 2 Farm Rd., Marlboro,
Mass. SEE ADV. PG. 175.
Commercial Equipment Co., 112 W. 18th St.,
Kansas City 8, Mo.
Monitor Products Co., 815 Fremont Ave., So.
Pasadena, Calif.
PANORAMIC RADIO PRODUCTS, INC., 10 South
Second Ave., Mt. Vernon, N. Y. SEE ADV.
PG. 213.
Radio Specialty Mfg. Co., 2023 S. E. Sixth Ave.,
Portland 14, Ore.
REEVES-HOFFMAN CORP., 321 Cherry St.,
Carlisle, Pa. SEE ADV. PG. 104.
Westline Electronics Co., 11660 Olympic Blvd.,
Los Angeles 25, Calif.

TESTERS—Ink Penetration

Rubicon Co., 3751 Ridge Ave., Phila., Pa.
Tech Laboratories, Inc., Bergen & Edsall Blvds.,
Palisades Park, N. J.
Thwing-Albert Instrument Co., 5351 Pulaski
Avenue, Philadelphia 44, Pa.

TESTERS—Insulation

Aircraft Electronics Associates, Inc., 1031 New
Britain Ave., Hartford 10, Conn.
Amplifier Corp. of America, 396 Broadway, New
York 13, N. Y.
Associated Research, Inc., 3758 W. Belmont,
Chicago 18, Ill.
BETA ELECTRONICS CO., 1762 3rd Ave., New
York 29, N. Y. SEE ADV. PG. 126.
Biddle Co., James G., 1316 Arch St., Philadel-
phia 7, Pa.
Central Research Laboratories, Inc., Red Wing,
Minn.
Cinema Engineering Co., 1510 W. Verdugo Ave.,
Burbank, Calif.
Electricoil Transformer Co., 421 Canal St., New
York 13, N. Y.
ELECTRO-TECH EQUIPMENT CO., 117 Lafa-
yette St., New York 13, N. Y. SEE ADV. PG.
181.
ELECTRONIC MEASUREMENTS CO., Red Bank,
N. J. SEE ADV. PG. 172.
GENERAL ELECTRIC CO., Schenectady 5, N. Y.
SEE ADV. PGS. 5-18.
Holtzer-Cabot, Inc., 125 Amory St., Boston 19,
Mass.
Ideal Industries Inc., Park & Borden Avenues,
Sycamore, Ill.
Industrial Instruments Inc., 17 Pollack Ave.,
Jersey City 5, N. J.

La Rose & Associates, Inc., W. T., 646 Second
Ave., Troy, N. Y.
Leeds & Northrup Co., 4970 Stenton Ave.,
Philadelphia 44, Pa.
Lyman Electronic Corp., 12 Cass St., Spring-
field, Mass.
MacLeod & Hanopol, 10 Joiner St., Charlestown
29, Mass.
Martindale Electric Co., Box 617, Edgewater
Branch, Cleveland 7, Ohio
MEASUREMENTS CORP., Boonton, N. J. SEE
ADV. PG. 110.
Network Manufacturing Corp., Bayonne, N. J.
Nilsson Electrical Lab., Inc., 103 Lafayette St.,
New York 13, N. Y.
Radio City Products Co., Inc., 152 W. 25th St.,
New York 1, N. Y.
Radio Frequency Labs., Inc., Boonton, N. J.
Reiner Electronics Co., 152 W. 25th St., New
York, N. Y.
Rubicon Co., 3751 Ridge Ave., Phila., Pa.
Shallcross Mfg. Co., 10 Jackson Ave., Colling-
dale, Pa.
Standard Electrical Products Co., Dayton 3,
Ohio
Sticht Co., Inc., Herman H., 27 Park Pl., New
York 7, N. Y.
Thermionic Engineering Corp., Pompton Plains,
N. J.
WESTINGHOUSE ELECTRIC CORP., P. O. Box
868, Pittsburgh 30, Pa. SEE ADV. PGS. 66,
67.
WESTON ELECTRICAL INSTRUMENT CORP.,
618 Freylinghuysen Ave., Newark 5, N. J. SEE
ADV. PG. 193.
Winslow Company, Inc., The, 9 Liberty St., New-
ark 5, N. J.

TESTERS—Meter

Columbus Electronics Corp., 229 S. Waverly St.,
Yonkers, N. Y.
Eastern Specialty Co., Philadelphia 40, Pa.
Electronic Development Co., 4420 N. 23rd St.,
Omaha 11, Nebraska
ELECTRONIC MEASUREMENTS CO., Red Bank,
N. J. SEE ADV. PG. 172.
Hickok Electrical Instrument Co., 10514 Dupont
Ave., Cleveland, Ohio
MARION ELECTRICAL INSTRUMENT CO., Man-
chester, N. H. SEE ADV. PG. 79.
Metropolitan Electronics & Instruments Co., 42
Warren St., New York 7, N. Y.
Radio City Products Co., Inc., 152 W. 25th St.,
New York 1, N. Y.
Reiner Electronics Co., 152 W. 25th St., New
York, N. Y.
Rubicon Co., 3751 Ridge Ave., Phila., Pa.
States Co., 19 New Park Ave., Hartford 6, Conn.
Triplett Electrical Instrument Co., 286 Harmon
Road, Bluffton, Ohio
WESTON ELECTRICAL INSTRUMENT CORP.,
618 Freylinghuysen Ave., Newark 5, N. J. SEE
ADV. PG. 193.

TESTERS—Microwave Radar Testing Equipment

Cossor (Canada) Ltd., 301-303 Windsor St.,
Halifax, N. S., Canada
Dalmo Victor Co., San Carlos, Calif.
ELECTRONIC MEASUREMENTS CO., Red Bank,
N. J. SEE ADV. PG. 172.
FEDERAL TELEPHONE & RADIO CORP., 100
Kingsland Rd., Clifton, N. J. SEE ADV. PGS.
129, 131, 133, 135.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook,
N. J. SEE ADV. PG. 215.
Leru Laboratories, Inc., 360 Bleecker St., New
York 14, N. Y.
Network Manufacturing Corp., Bayonne, N. J.
Philco Corp., Tioga & C Sts., Phila. 34, Pa.
**POLYTECHNIC RESEARCH & DEVELOPMENT
CO., INC.**, 66 Court St., Rm. 303, Brooklyn 2,
N. Y. SEE ADV. PG. 63.
Rollin Co., 2070 N. Fair Oaks Ave., Pasadena
3, Calif.
Servo Corp. of America, 20-20 Jericho Turnpike,
New Hyde Park, N. Y.
SPERRY GYROSCOPE CO., Div. of Sperry Corp.,
Great Neck, N. Y. SEE ADV. PGS. 51, 52.
SYLVANIA ELECTRIC PRODUCTS, INC., 500
5th Ave., New York 18, N. Y. SEE ADV
PGS. 240-244.
Thermionic Engineering Corp., Pompton Plains,
N. J.

TESTERS—Moisture Detection

American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 Communication Measurements Lab., Inc., 120 Greenwich St., New York, N. Y.
 Delmhorst Instrument Co., 115 Cornelia St., Boonton, N. J.
 Fielden Electronics Inc., 1171 New York Ave., Huntington Station, N. Y.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Illinois Testing Labs., Inc., 420 N. LaSalle St., Chicago 10, Ill.
 Industrial Instruments Inc., 17 Pollack Ave., Jersey City 5, N. J.
 Moisture Register Co., P. O. Drawer No. 910, Alhambra, Calif.
 Network Manufacturing Corp., Bayonne, N. J.
 Patterson Co., C. J., 3947 Broadway, Kansas City, Mo.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.
 Thwing-Albert Instrument Co., 5351 Pulaski Avenue, Philadelphia 44, Pa.

TESTERS—Radar Tube

POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.

TESTERS—Transconductance Tube

Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Heath Co., Benton Harbor, Mich.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 Precision Apparatus Co., Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.
 Radio City Products Co., Inc., 152 W. 25th St., New York 1, N. Y.
 Robotron Corp., 5570 W. Chicago Blvd., Detroit 4, Mich.
 Sensitive Research Instrument Corporation, 9 Elm Ave., Mt. Vernon, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
 Weston Laboratories, Weston 93, Mass.

TESTERS—Voltage Neon

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 Dante Electric Mfg. Co., Bantam, Conn.
 Fordham Mfg. Co., 2736 Creston Ave., New York 58, N. Y.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Ideal Industries, Inc., Park & Borden Aves., Sycamore, Ill.
 Industrial Devices, Inc., 22 State Rd., Edgewater, N. J.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Minerallac Electric Co., 25 N. Peoria St., Chicago, Ill.
 Standard Electrical Products Co., Dayton 3, Ohio
 Superior Instruments Co., 227 Fulton St., New York 7, N. Y.
 U. S. Electronics Corp., 275 Warren St., Lyndhurst, N. J.

THERMISTORS

Friez Instrument Div., Bendix Aviation Corp., Baltimore 4, Md.
 Keystone Carbon Co., Inc., Saint Marys, Pa.
 Microwave Equipment Co., North Caldwell, N. J.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.

THERMOCOUPLES

American Electric Cable Co., Holyoke, Mass.
AMERICAN PLATINUM WORKS, N. J. R. R. Ave. at Oliver St., Newark 5, N. J. SEE ADV. PG. 192.
 American Thermo Electric Co., 67 E. 8th St., New York 3, N. Y.
BALLANTINE LABS., INC., Boonton, N. J. SEE ADV. PG. 134.
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Dallons Labs., 5066 Santa Monica Blvd., Los Angeles, Calif.
 Elematic Equipment Corp., 6046 S. Wentworth Ave., Chicago 21, Ill.
 Farrand Optical Co., Inc., Bronx Blvd. at 238th St., New York 66, N. Y.
FIELD ELECTRICAL INSTRUMENT CO., 109 E. 184th St., New York 53, N. Y. SEE ADV. PG. 80.
 Foxboro Co., The, Foxboro, Mass.
 General Controls Co., Glendale 1, Calif.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Gordon Co., Claud S., 3000 S. Wallace St., Chicago 16, Ill.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Illinois Testing Labs., Inc., 420 N. LaSalle St., Chicago 10, Ill.
J B T INSTRUMENTS INC., 441 Chapel St., New Haven 8, Conn. SEE ADV. PG. 229.
 Manning, Maxwell & Moore, Inc., 11 Elias St., Bridgeport 2, Conn.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
 Nurnberg Thermometer Co., Inc., 4 Corey St., Boston 32, Mass.
 Perkin-Elmer Corp., The, Glenbrook, Conn.
 Rawson Electrical Instrument Co., 110 Potter St., Cambridge 42, Mass.
 Reeder & Co., Charles M., 171 Victor Ave., Detroit 3, Mich.
 Richards Co., Inc., Arklay S., 78 Winchester St., Newton Highlands 61, Mass.
 Sensitive Research Instrument Corporation, 9 Elm Ave., Mt. Vernon, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
 Uniform Tubes, Shurs Lane & Lauriston Sts., Roxborough, Phila., Pa.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wheelco Instruments Co., 847 W. Harrison St., Chicago 7, Ill.
 Winslow Company, Inc., The, 9 Liberty St., Newark 5, N. J.
 Xervac Instrument Co., 101 Vine St., Hartford 5, Conn.

THERMOCOUPLES—Pyrometric

American Electric Cable Co., Holyoke, Mass.
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Dallons Labs., 5066 Santa Monica Blvd., Los Angeles, Calif.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.

Elematic Equipment Corp., 6046 S. Wentworth Ave., Chicago 21, Ill.
 Foxboro Co., The, Foxboro, Mass.
 Gordon Co., Claud S., 3000 S. Wallace St., Chicago 16, Ill.
 Illinois Testing Labs., Inc., 420 N. LaSalle St., Chicago 10, Ill.
 Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
 Richards Co., Inc., Arklay S., 78 Winchester St., Newton Highlands 61, Mass.
 Roller-Smith, Bethlehem, Pa.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
 Wheelco Instruments Co., 847 W. Harrison St., Chicago 7, Ill.
 Winslow Company, Inc., The, 9 Liberty St., Newark 5, N. J.

THERMOMETERS—Platinum Contact

Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Gordon Co., Claud S., 3000 S. Wallace St., Chicago 16, Ill.
 Illinois Testing Labs., Inc., 420 N. LaSalle St., Chicago 10, Ill.
 Mack Electrical Devices, Inc., 43 Glenside Ave., Wyncote, Pa.
 Weksler Thermometer Corp., 52 W. Houston St., New York, N. Y.

THERMOMETERS—Resistance

Assembly Products, Inc., Chagrin Falls 6, Ohio
 Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Edison, Inc., Thomas A., Instrument Div., West Orange, N. J.
 Foxboro Co., The, Foxboro, Mass.
 Fredericks Co., Geo. E., Bethayres, Pa.
 Gordon Co., Claud S., 3000 S. Wallace St., Chicago 16, Ill.
 Illinois Testing Labs., Inc., 420 N. LaSalle St., Chicago 10, Ill.
J B T INSTRUMENTS, INC., 441 Chapel St., New Haven 8, Conn. SEE ADV. PG. 229.
 Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa.
MACDONALD & CO., INC., W. S., 33 University Rd., Cambridge 38, Mass. SEE ADV. PG. 118.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
 Precision Resistor Co., 334 Badge Ave., Newark 8, N. J.
 Ruge-DE Forest, Inc., 76 Massachusetts Ave., Cambridge 39, Mass.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. J.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
TRANS-SONICS, Bedford Airport, Bedford, Mass. SEE ADV. PG. 132.
UNITED CONDENSER CORP., 337 E. 139th St., New York 54, N. Y. SEE ADV. PG. 225.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
 Wheelco Instruments Co., 847 W. Harrison St., Chicago 7, Ill.
 Winslow Company, Inc., The, 9 Liberty St., Newark 5, N. J.

THERMOPILES

Brown Instrument Co., Wayne & Roberts Aves., Phila. 44, Pa.
 Eppley Lab., Inc., The, Newport, R. I.
 Farrand Optical Co., Inc., Bronx Blvd. at 238th St., New York 66, N. Y.
FIELD ELECTRICAL INSTRUMENT CO., 109 E. 184th St., New York 53, N. Y. SEE ADV. PG. 80.

Hastings Instrument Co., Box 1275, Hampton, Va.
 Illinois Testing Labs., Inc., 420 N. LaSalle St.,
 Chicago 10, Ill.
 National Technical Lab., 820 Mission St., South
 Pasadena, Calif.
 Reeder & Co., Charles M., 171 Victor Ave., De-
 troit 3, Mich.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave-
 nue, Philadelphia 44, Pa.

THYRATRONS

See Tubes

TIMERS—Automatic Cycle

ADAMS & WESTLAKE CO., Michigan St., Elk-
 hart, Ind. SEE ADV. PGS. 76, 77.
 Airlectron, P. O. Box 151, Caldwell, N. J.
 Automatic Temperature Control Co., Inc., 5212
 Pulaski Ave., Phila. 44, Pa.
 Barber-Colman Co., Rockford, Ill.
 Bristol Co., The, Waterbury 91, Conn.
 Cooper Co., Clark, 374 N. Market St., Palmyra,
 N. J.
CRAMER CO., INC., R. W., Centerbrook, Conn.
 SEE ADV. PG. 99.
 Cutler-Hammer, Inc., 315 North 12th Street,
 Milwaukee 1, Wis.
 Eagle Signal Corp., Moline, Ill.
ELECTRO-TECH EQUIPMENT CO., 117 Lafa-
 yette St., New York 13, N. Y. SEE ADV. PG.
 181.
 Electronic Control Corp., 1573 E. Forest St.,
 Detroit, Mich.
 Electyme Motor Products Corp., 565 W. Wash-
 ington Blvd., Chicago 6, Ill.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston
 21, Mass.
 Foxboro Co., The, Foxboro, Mass.
GENERAL CONTROL COMPANY, 1200 Soldiers
 Field Rd., Boston 34, Mass. SEE ADV. PG.
 161.
 General Controls Co., Glendale 1, Calif.
GENERAL ELECTRIC CO., Schenectady 5, N. Y.
 SEE ADV. PGS. 5-18.
 Gorrell & Gorrell, Haworth, N. J.
 Haydon Co., A. W., The, 111 W. Main St.,
 Waterbury 32, Conn.
HAYDON MFG. CO., INC., 584 E. Elm St., Tor-
 rington, Conn. SEE ADV. PGS. 68, 69.
 Kurman Electric Co., Inc., 35-18 37th St., L. I.
 City 1, N. Y.
 Lektra Labs., 30 E. 10th St., New York, N. Y.
 Lumenite Electric Co., 407 S. Dearborn St.,
 Chicago 5, Ill.
 Maritime Quality Hardware Co., Inc., Belfast,
 Maine
 Montgomery Mfg. Co., 549 W. Washington Blvd.,
 Chicago 6, Ill.
 O'Connor & Co., John T., West Orange, N. J.
 Paragon Electric Co., Two Rivers, Wis.
 Photoswitch, Inc., 77 Broadway, Cambridge 42,
 Mass.
 Potter Instrument Co., Inc., 136-56 Roosevelt
 Ave., Flushing, N. Y.
POTTER & BRUMFIELD SALES CO., 549 W.
 Washington Blvd., Chicago 6, Ill. SEE ADV.
 PG. 42.
RESEARCH ELECTRONIC LAB., 2859 Susquehanna
 Rd., Roslyn, Pa. SEE ADV. PG. 233.
 Reynolds Electric Co., 2650 W. Congress St.,
 Chicago 12, Ill.
 Ripley Co., Inc., P. O. Box 31, Middletown,
 Conn.
 Robotron Corp., 5570 W. Chicago Blvd., Detroit
 4, Mich.
 Rowe Engineering Corp., 2422 N. Pulaski Rd.,
 Chicago 39, Ill.
 Self Winding Clock Co., 205 Willoughby Ave.,
 Brooklyn 5, N. Y.
SIGNAL ENGINEERING & MFG. CO., 154-6 W.
 14th St., New York, N. Y. SEE ADV. PG. 223.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave.,
 Newark 5, N. J.
 Tork Clock Co., Inc., 1 Grove St., Mt. Vernon,
 N. Y.
 White-Rodgers Electric Co., 1209 Cass Ave.,
 St. Louis 6, Mo.
 Wilson & Co., G. C., 2 N. Passaic Ave., Chatham,
 N. J.
 Zenith Electric Co., 152 W. Walton St., Chi-
 cago 10, Ill.

TIMERS—Automatic Interval

ADAMS & WESTLAKE CO., Michigan St., Elk-
 hart, Ind. SEE ADV. PGS. 76, 77.
 Airlectron, P. O. Box 151, Caldwell, N. J.
 Aurex Corp., 1117 N. Franklin St., Chicago, Ill.
 Automatic Temperature Control Co., Inc., 5212
 Pulaski Ave., Phila. 44, Pa.
 Brinnell Co., The, Granby, Conn.
 Cooper Co., Clark, 374 N. Market St., Palmyra,
 N. J.
CRAMER CO., INC., R. W., Centerbrook, Conn.
 SEE ADV. PG. 99.
 Dimco-Gray Co., 207 E. Sixth St., Dayton, Ohio
 Eagle Signal Corp., Moline, Ill.
ELECTRO-TECH EQUIPMENT CO., 117 Lafa-
 yette St., New York 13, N. Y. SEE ADV. PG.
 181.
 Electyme Motor Products Corp., 565 W. Wash-
 ington Blvd., Chicago 6, Ill.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston
 21, Mass.
GENERAL CONTROL COMPANY, 1200 Soldiers
 Field Rd., Boston 34, Mass. SEE ADV. PG.
 161.
 General Controls Co., Glendale 1, Calif.
GENERAL ELECTRIC CO., Schenectady 5, N. Y.
 SEE ADV. PGS. 5-18.
 Gorrell & Gorrell, Haworth, N. J.
 Haydon Co., A. W., The, 111 W. Main St.,
 Waterbury 32, Conn.
HAYDON MFG. CO., INC., 584 E. Elm St., Tor-
 rington, Conn. SEE ADV. PGS. 68, 69.
 Heath Co., Benton Harbor, Mich.
 Industrial Timer Corp., 115 Edison Pl., New-
 ark 5, N. J.
 Kurman Electric Co., Inc., 35-18 37th St., L. I.
 City 1, N. Y.
 Lektra Labs., 30 E. 10th St., New York, N. Y.
 Lumenite Electric Co., 407 S. Dearborn St.,
 Chicago 5, Ill.
 Maritime Quality Hardware Co., Inc., Belfast,
 Maine
 Nuclear Instrument & Development Corp., 223
 W. Erie St., Chicago 10, Ill.
 O'Connor & Co., John T., West Orange, N. J.
 Paragon Electric Co., Two Rivers, Wis.
 Photoswitch, Inc., 77 Broadway, Cambridge 42,
 Mass.
 Picker X-Ray Corp., 300 Fourth Ave., New York
 10, N. Y.
POTTER & BRUMFIELD SALES CO., 549 W.
 Washington Blvd., Chicago 6, Ill. SEE ADV.
 PG. 42.
 Potter Instrument Co., Inc., 136-56 Roosevelt
 Ave., Flushing, N. Y.
 Reliance Automatic Lighting Co., 1927 Mead
 St., Racine, Wis.
 Research Electronic Lab., 2859 Susquehanna
 Rd., Roslyn, Pa.
 Reynolds Electric Co., 2650 W. Congress St.,
 Chicago 12, Ill.
 Rhodes Inc., M. A., 30 Bartholomew Ave., Hart-
 ford, Conn.
 Ripley Co., Inc., P. O. Box 31, Middletown,
 Conn.
 Robotron Corp., 5570 W. Chicago Blvd., De-
 troit 4, Mich.
 Rowe Engineering Corp., 2422 N. Pulaski Rd.,
 Chicago 29, Ill.
 Self Winding Clock Co., 205 Willoughby Ave.,
 Brooklyn 5, N. Y.
 Tech Laboratories, Inc., Bergen & Edsall Bldvs.,
 Palisades Park, N. J.
TELECHRON INC., Homer Ave., Ashland, Mass.
 SEE ADV. PG. 85.
 Tork Clock Co., Inc., 1 Grove St., Mt. Vernon,
 N. Y.
 Walser Automatic Timer Co., Graybar Building,
 New York, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box
 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Zenith Electric Co., 152 W. Walton St., Chi-
 cago 10, Ill.

TIMERS—Automatic Reset

Airlectron, P. O. Box 151, Caldwell, N. J.
 American Time Corp., Springfield 1, Mass.
 Automatic Temperature Control Co., Inc., 5212
 Pulaski Ave., Phila. 44, Pa.
 Bristol Co., The, Waterbury 91, Conn.

CRAMER CO., INC., R. W., Centerbrook, Conn.
 SEE ADV. PG. 99.
 Eagle Signal Corp., Moline, Ill.
ELECTRO-TECH EQUIPMENT CO., 117 Lafa-
 yette St., New York 13, N. Y. SEE ADV. PG.
 181.
 Electyme Motor Products Corp., 565 W. Wash-
 ington Blvd., Chicago 6, Ill.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21,
 Mass.
GENERAL CONTROL COMPANY, 1200 Soldiers
 Field Rd., Boston 34, Mass. SEE ADV. PG. 161.
GENERAL ELECTRIC CO., Schenectady 5, N. Y.
 SEE ADV. PGS. 5-18.
 Gorrell & Gorrell, Haworth, N. J.
 Haydon Co., A. W., The, 111 W. Main St., Water-
 bury 32, Conn.
HAYDON MFG. CO., INC., 584 E. Elm St., Tor-
 rington, Conn. SEE ADV. PGS. 68, 69.
 Industrial Timer Corp., 115 Edison Pl., Newark 5,
 N. J.
 Kurman Electric Co., Inc., 35-18 37th St., Long
 Island City 1, N. Y.
 Lektra Labs., 30 E. 10th St., New York, N. Y.
 Lumenite Electric Co., 407 S. Dearborn St., Chi-
 cago 5, Ill.
 Maritime Quality Hardware Co., Inc., Belfast,
 Maine.
 Paragon Electric Co., Two Rivers, Wis.
 Potter Instrument Co., Inc., 136-56 Roosevelt
 Ave., Flushing, N. Y.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Smuckler & Co., Inc., A. F., 202 Tillary St.,
 Brooklyn 1, N. Y.
 Ulanet Co., George, 413 Market St., Newark 5,
 N. J.
WESTINGHOUSE ELECTRIC CORP., P. O. Box
 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Zenith Electric Co., 152 W. Walton St., Chicago
 10, Ill.

TIMERS—Hour Counting

Automatic Temperature Control Co., Inc., 5212
 Pulaski Ave., Phila. 44, Pa.
CRAMER CO., INC., R. W., Centerbrook, Conn.
 SEE ADV. PG. 99.
ELECTRO-TECH EQUIPMENT CO., 117 Lafa-
 yette St., New York 13, N. Y. SEE ADV. PG.
 181.
 Electyme Motor Products Corp., 565 W. Wash-
 ington Blvd., Chicago 6, Ill.
GENERAL ELECTRIC CO., Schenectady 5, N. Y.
 SEE ADV. PGS. 5-18.
 Gorrell & Gorrell, Haworth, N. J.
 Haydon Co., A. W., The, 111 W. Main St., Water-
 bury 32, Conn.
HAYDON MFG. CO., INC., 584 E. Elm St., Tor-
 rington, Conn. SEE ADV. PGS. 68, 69.
 Industrial Timer Corp., 115 Edison Pl., Newark 5,
 N. J.
 Monroe Coil Co., 2659 W. 19th St., Chicago, Ill.
 National Instrument Co., 246 Walnut St., Newton-
 ville 60, Mass.
POTTER & BRUMFIELD SALES CO., 549 W.
 Washington Blvd., Chicago 6, Ill. SEE ADV.
 PG. 42.
WESTINGHOUSE ELECTRIC CORP., P. O. Box
 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wilson & Co., G. C., 2 N. Passaic Ave., Chatham,
 N. J.
 Zenith Electric Co., 152 W. Walton St., Chicago
 10, Ill.

TIMERS—Impulse

Alden Products Co., 117 N. Main St., Brockton 64,
 Mass.
ATOMIC INSTRUMENT CO., 160 Charles St.,
 Boston, Mass. SEE ADV. PG. 200.
 Automatic Temperature Control Co., Inc., 5212
 Pulaski Ave., Phila. 44, Pa.
 Bristol Co., The, Waterbury 91, Conn.
BROWNING LABS., INC., 750 Main St., Win-
 chester, Mass. SEE ADV. PG. 179.
CRAMER CO., INC., R. W., Centerbrook, Conn.
 SEE ADV. PG. 99.
 Eagle Signal Corp., Moline, Ill.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21,
 Mass.
 General Electric X-Ray Corp., 4855 W. McGeoch
 Ave., Milwaukee, Wis.

Haydon Co., A. W., The, 111 W. Main St., Waterbury 32, Conn.
 Industrial Timer Corp., 115 Edison Pl., Newark 5, N. J.
 Lumenite Electric Co., 407 S. Dearborn St., Chicago 5, Ill.
 Picker X-Ray Corp., 300 Fourth Ave., New York 10, N. Y.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Robotron Corp., 5570 W. Chicago Blvd., Detroit 4, Mich.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Zenith Electric Co., 152 W. Walton St., Chicago 10, Ill.

TIMERS—Inertia

Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa.

TIMERS—Motor Operated

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 American Time Corp., Springfield 1, Mass.
 Amglo Corp., 4234 Lincoln Ave., Chicago 18, Ill.
 Arlington Electric Products, Inc., 500 W. 52nd St., New York 19, N. Y.
 Automatic Temperature Control Co., Inc., 5212 Pulaski Ave., Phila. 44, Pa.
 Barber Colman Co., Rockford, Ill.
 Cooper Co., Clark, 374 N. Market St., Palmyra, N. J.
CRAMER CO., INC., R. W., Centerbrook, Conn. SEE ADV. PG. 99.
 Dimco-Gray Co., 207 E. Sixth St., Dayton, Ohio
 Eagle Signal Corp., Moline, Ill.
 Electyme Motor Products Corp., 565 W. Washington Blvd., Chicago 6, Ill.
 General Controls Co., Glendale 1, Calif.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Gorrell & Gorrell, Haworth, N. J.
 Haydon Co., A. W., The, 111 W. Main St., Waterbury 32, Conn.
HAYDON MFG. CO., INC., 584 E. Elm St., Torrington, Conn. SEE ADV. PGS. 68, 69.
 Industrial Timer Corp., 115 Edison Pl., Newark 5, N. J.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
 Lektra Labs., 30 E. 10th St., New York, N. Y.
 Lumenite Electric Co., 407 S. Dearborn St., Chicago 5, Ill.
 Maritime Quality Hardware Co., Inc., Belfast, Maine
 Montgomery Mfg. Co., 549 W. Washington Blvd., Chicago 6, Ill.
 Paragon Electric Co., Two Rivers, Wis.
POTTER & BRUMFIELD SALES CO., 549 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 42.
 Reynolds Electric Co., 2650 W. Congress St., Chicago 12, Ill.
 Standard Electric Time Co., The, 89 Logan St., Springfield, Mass.
 Struthers-Dunn, Inc., 150 N. 13th St., Phila. 7, Pa.
TELECHRON INC., Homer Ave., Ashland, Mass. SEE ADV. PG. 85.
 Tork Clock Co., Inc., 1 Grove St., Mt. Vernon, N. Y.
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 White-Rodgers Electric Co., 1209 Cass Ave., St. Louis 6, Mo.
 Zenith Electric Co., 152 W. Walton St., Chicago 10, Ill.

TIMERS—Multicontact

Amglo Corp., 4234 Lincoln Ave., Chicago 18, Ill.
 Automatic Temperature Control Co., Inc., 5212 Pulaski Ave., Phila. 44, Pa.
CRAMER CO., INC., R. W., Centerbrook, Conn. SEE ADV. PG. 99.

Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.
 Eagle Signal Corp., Moline, Ill.
 Gorrell & Gorrell, Haworth, N. J.
 Haydon Co., A. W., The, 111 W. Main St., Waterbury 32, Conn.
HAYDON MFG. CO., INC., 584 E. Elm St., Torrington, Conn. SEE ADV. PGS. 68, 69.
 Industrial Timer Corp., 115 Edison Pl., Newark 5, N. J.
 Lumenite Electric Co., 407 S. Dearborn St., Chicago 5, Ill.
 Maritime Quality Hardware Co., Inc., Belfast, Maine
 Paragon Electric Co., Two Rivers, Wis.
POTTER & BRUMFIELD SALES CO., 549 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 42.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Tork Clock Co., Inc., 1 Grove St., Mt. Vernon, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Zenith Electric Co., 152 W. Walton St., Chicago 10, Ill.

TIMERS—Percentage

Automatic Temperature Control Co., Inc., 5212 Pulaski Ave., Phila. 44, Pa.
CRAMER CO., INC., R. W., Centerbrook, Conn. SEE ADV. PG. 99.
 Eagle Signal Corp., Moline, Ill.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Lumenite Electric Co., 407 S. Dearborn St., Chicago 5, Ill.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Zenith Electric Co., 152 W. Walton St., Chicago 10, Ill.

TIMERS—Photoelectric

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Automatic Temperature Control Co., Inc., 5212 Pulaski Ave., Phila. 44, Pa.
ELECTRONIC INSTRUMENT CO., INC., 276 Newport St., Brooklyn 12, N. Y. SEE ADV. PG. 233.
 Electronic Mechanical Products Co., 13-15-17 N. Virginia Ave., Atlantic City, N. J.
 Fisher-Pierce Co., Inc., 70 Ceylon St., Boston 21, Mass.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 O'Connor & Co., John T., West Orange, N. J.
 Photobell Co., 116 Nassau St., New York 7, N. Y.
 Photocon Research Products, 1062 N. Allen Ave., Pasadena 7, Calif.
 Photoswitch, Inc., 77 Broadway, Cambridge 42, Mass.
 Pho Tron Instrument Co., 5713 Euclid Ave., Cleveland, Ohio
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Rhodes Inc., M. H., 30 Bartholomew Ave., Hartford, Conn.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Thermo Labs, Inc., 355 W. 26th St., New York 1, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wilson & Co., G. C., 2 N. Passaic Ave., Chatham, N. J.

TIMERS—Sequence

ADAMS & WESTLAKE CO., Michigan St., Elkhart, Ind. SEE ADV. PGS. 76, 77.
 Airlatron, P. O. Box 151, Caldwell, N. J.
ALLIED CONTROL CO., INC., 2 East End Ave., New York 21, N. Y. SEE ADV. PGS. 34, 35.

Automatic Temperature Controls Co., Inc., 5212 Pulaski Ave., Phila. 44, Pa.
 Bristol Co., The, Waterbury 91, Conn.
CRAMER CO., INC., R. W., Centerbrook, Conn. SEE ADV. PG. 99.
 Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.
 Eagle Signal Corp., Moline, Ill.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Globe Industries, 125 Sunrise Pl., Dayton, Ohio
 Haydon Co., A. W., The, 111 W. Main St., Waterbury 32, Conn.
HAYDON MFG. CO., INC., 584 E. Elm St., Torrington, Conn. SEE ADV. PGS. 68, 69.
 Industrial Timer Corp., 115 Edison Pl., Newark 5, N. J.
 Lumenite Electric Co., 407 S. Dearborn St., Chicago 5, Ill.
 Maritime Quality Hardware Co., Inc., Belfast, Maine
 O'Connor & Co., John T., West Orange, N. J.
 Paragon Electric Co., Two Rivers, Wis.
 Photoswitch, Inc., 77 Broadway, Cambridge 42, Mass.
 Potter Instrument Co., Inc., 136-56 Roosevelt Ave., Flushing, N. Y.
 Reynolds Electric Co., 2650 W. Congress St., Chicago 12, Ill.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Robotron Corp., 5570 W. Chicago Blvd., Detroit 4, Mich.
 Rowe Engineering Corp., 2422 N. Pulaski Road, Chicago 39, Ill.
 Self Winding Clock Co., 205 Willoughby Ave., Brooklyn 5, N. Y.
 Serdex, Inc., 91 Cambridge St., Boston, Mass.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Zenith Electric Co., 152 W. Walton St., Chicago 10, Ill.

TIMERS—Thermal

Cooper Co., Clark, 374 N. Market St., Palmyra, N. J.
 Edison, Inc., Thomas A., Instrument Div., West Orange, N. J.
 General Controls Co., Glendale 1, Calif.
 Lektra Labs., 30 E. 10th St., New York, N. Y.
 Reynolds Electric Co., 2650 W. Congress St., Chicago 12, Ill.
 Standard Electrical Products Co., Dayton 3, Ohio
 Struthers-Dunn, Inc., 150 N. 13th St., Philadelphia 7, Pa.
 Ulanet Co., George, 413 Market St., Newark 5, N. J.
WARD LEONARD ELECTRIC CO., 31 South St., Mt. Vernon, N. Y. SEE ADV. PG. 151.

TIMERS—Welding

Automatic Temperature Control Co., Inc., 5212 Pulaski Ave., Phila. 44, Pa.
 Clark Controller Co., 1146 E. 152nd St., Cleveland 10, Ohio
 Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
 Electronic Controls, Inc., 44 Summer Ave., Newark, N. J.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Industrial Timer Corp., 115 Edison Pl., Newark 5, N. J.
 Lektra Labs., 30 E. 10th St., New York, N. Y.
 Photoswitch, Inc., 77 Broadway, Cambridge 42, Mass.
 Progressive Welder Co., 3050 E. Outer Dr., Detroit, Mich.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Reynolds Electric Co., 2650 W. Congress St., Chicago 12, Ill.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.

Robotron Corp., 5570 W. Chicago Blvd., Detroit 4, Mich.
 Weltronic Co., 19500 West 8 Mile Road, Detroit 19, Mich.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TITRATION APPARATUS

Consolidated Engineering Corp., 620 N. Lake Ave., Pasadena 4, Calif.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
 Fischer Scientific Co., 717 Forbes St., Pittsburgh 19, Pa.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.
 National Technical Lab., 820 Mission St., S. Pasadena, Calif.
 Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.

TOOLS—Acetylene Soldering

Cole Radio Works, 86 Westville Ave., Caldwell, N. J.
 Linde Air Products Co., Unit of Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y.
 Torit Mfg. Co., Walnut & Exchange Sts., St. Paul 2, Minn.

TOOLS—Resistance Soldering

Ideal Industries, Inc., Park & Borden Avenues, Sycamore, Ill.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

TOOLS—Screwdrivers and Small Insulated

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Bonney Forge & Tool Works, Allentown, Pa.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
 Bridgeport Hardware Mfg. Corp., Iranistan Ave., Bridgeport, Conn.
 Connecticut Hard Rubber Co., 407 East St., New Haven 9, Conn.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Metzger & Son, F. F., 2600 N. 6th St., Philadelphia 33, Pa.
 Park Metalware Co., 28 Bank St., Orchard Park, N. Y.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Speedway Mfg. Co., 1834 South 52nd Ave., Cicero 50, Ill.
 Standard Pressed Steel Co., Jenkintown, Pa.
 Stanley Works, The, New Britain, Conn.
 Stevens-Walden, Inc., 475 Shrewsbury St., Worcester, Mass.
 Vaco Products Co., 317 E. Ontario St., Chicago 11, Ill.
 Waterbury Companies, Inc., Waterbury 80, Conn.

TOOLS—Soldering Guns

Multi-Products Tool Co., 123 Sussex Ave., Newark 4, N. J.
 Weller Mfg. Co., 806 Packer St., Easton, Pa.

TRACERS, RADIOACTIVE

See Isotopes

TRACERS—Signal

Aermotive Equipment Corp., 1632-8 Central St., Kansas City 10, Mo.
 Coastwise Electronics Corp., 130 N. Beaudry Ave., Los Angeles, Calif.
ELECTRONIC INSTRUMENT CO., INC., 276 Newport St., Brooklyn 12, N. Y. SEE ADV. PG. 233.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
 Heath Co., Benton Harbor, Mich.

McMurdo Silver Co., 1240 Main St., Hartford 3, Conn.
MEASUREMENTS CORPORATION, Boonton, N. J. SEE ADV. PG. 110.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Precision Electronics, 641 Milwaukee Ave., Chicago 22, Ill.
 Radex Corp., 2760 N. Elston Ave., Chicago 14, Ill.
 Radio City Products Co., Inc., 152 W. 25th St., New York 1, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Reiner Electronics Co., 152 W. 25th St., New York, N. Y.
 Special Products Co., Silver Spring, Maryland
 Superior Instruments Co., 227 Fulton St., New York 7, N. Y.
 Supreme, Inc., Greenwood, Miss.
 Thermionic Engineering Corp., Pompton Plains, N. J.

TRANSCEIVERS—Aviation

American Electroneering Co., 2112 S. La Brea Ave. Los Angeles, Calif.
 Bassett, Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Collins Radio Co., Cedar Rapids, Iowa
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Cossor (Canada), Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
 Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 Smuckler & Co., Inc., A. F. 202 Tillary St., Brooklyn 1, N. Y.
 Standard Telephones & Cables, Ltd., Connaught House, Aldwych, London, W. C. 2, England

TRANSCEIVERS—Back-Pack

Air Associates, Inc., Teterboro, N. J.
 American Electroneering Co., 2112 S. La Brea Ave. Los Angeles, Calif.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Doolittle Radio, Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.
 Measurement Engineering, Ltd., Anprior, Ontario, Canada
 Radio Specialty Mfg. Co., 2023 SE Sixth Ave., Portland 14, Ore.
 Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 Smuckler & Co., Inc., A. F. 202 Tillary St., Brooklyn 1, N. Y.

TRANSCEIVERS—Hand-Pack

American Electroneering Co., 2112 S. La Brea Ave. Los Angeles, Calif.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Doolittle Radio, Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Gross Electronics, Inc., 1865-71 Prospect Ave., Cleveland 15, Ohio
 Measurement Engineering, Ltd., Anprior, Ontario, Canada
 Radio Specialty Mfg. Co., 2023 SE Sixth Ave., Portland 14, Ore.
 Radio Transceiver Labs., 116-23 Jamaica Ave., Richmond Hill 18, N. Y.

Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 Smuckler & Co., Inc., A. F. 202 Tillary St., Brooklyn 1, N. Y.

TRANSCEIVERS—Lifeboat

Bassett, Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, N. Hollywood, Calif.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Hose-McCann Telephone Co., Inc., 25th St. & 3rd Ave., Brooklyn 32, N. Y.
 Radiomarine Corp. of America, 75 Varick St., New York 13, N. Y.
 Selectar Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 Smuckler & Co., Inc., A. F. 202 Tillary St., Brooklyn 1, N. Y.

TRANSCEIVERS—uhf

Air Associates, Inc., Teterboro, N. J.
 American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 Bassett, Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Gross Electronics, Inc., 1865-71 Prospect Ave., Cleveland 15, Ohio
 Hallicrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
 Radio Specialty Mfg. Co., 2023 SE Sixth Ave., Portland 14, Ore.
 Rowe Engineering Corp., 2422 N. Pulaski Road, Chicago 39, Ill.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.

TRANSCEIVERS—vhf

American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 Bassett, Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Erco Radio Labs, Inc., East Stewart Ave., Garden City, N. Y.
 Gross Electronics, Inc., 1865-71 Prospect Ave., Cleveland 15, Ohio
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 Radio Specialty Mfg. Co., 2023 SE Sixth Ave., Portland 14, Ore.
 Rowe Engineering Corp., 2422 N. Pulaski Road, Chicago 39, Ill.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
SPERRY GYROSCOPE CO., Div. of Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Standard Telephones & Cables, Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Telephonics Corp., 350 W. 31st Street, New York, N. Y.

NOTE:

Throughout all transformer listings: (h) indicates hermetically sealed types

TRANSFORMERS—Audio

ACME ELECTRIC CORPORATION, Cuba, N. Y. SEE ADV. PG. 231. (h)
 Acro Products Co., 5330 Baltimore Ave., Phila. Pa. (h)
 Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
 Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa. (h)
 Airpax Products Co., 1024 Greenmount Ave., Baltimore 2, Md. (h)
 Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y. (h)
AMERICAN TRANSFORMER CO., 178 Emmett St., Newark, N. J. SEE ADV. PG. 116. (h)
 Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind. (h)
AUDIO DEVELOPMENT CO., 2833 13th Ave. S., Minneapolis 7, Minn. SEE ADV. PG. 94.
 Audio Equipment Co., Inc., 80-20 45th Ave., Elmhurst, N. Y.

Best Mfg. Co., Inc., 1200 Grove St., Irvington 11, N. J.
 Chicago Electronic Engineering Co., 3223 W. Armitage Ave., Chicago 47, Ill. (h)
 Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill. (h)
 Columbus Process Co., Inc., State & Maple Sts., East Columbus, Ind.
 Control Corp., 718 Central Ave., Minneapolis 14, Minn.
 D. & M. Manufacturing Co., 2 Delford Ave., Bergenfield, N. J.
 Davis & Co., Dean W., Kentland, Ind.
 Delco Radio Div., General Motors Corp., Kokomo, Ind.
 Dinion Coil Co., Inc., Caledonia, N. Y.
 Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass. (h)
 Electran Mfg. Co., 4596 Elston Ave., Chicago 30, Ill. (h)
 Electrical Windings, Inc., 2015 N. Kolmar Ave., Chicago 39, Ill. (h)
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif. (h)
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200. (h)
 Empire Coil Co., Inc., 238 Huguenot St., New Rochelle, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135. (h)
FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86. (h)
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio (h)
 General Transformer Corp., 4321 N. Knox Ave., Chicago 41, Ill. (h)
 Goslin Electric & Mfg. Co., 2921 W. Olive St., Burbank, Calif. (h)
GRAMER COMPANY, THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
 Halldorson Company, The, 4500 Ravenswood Ave., Chicago 40, Ill.
 Hercules Electric & Mfg. Co., Inc., 2500 Atlantic Ave., Brooklyn 7, N. Y.
 Inductive Equipment Co., Gettysburg, Pa.
 Islip Radio Mfg. Corp., Beech St., Islip, N. Y. (h)
 Jefferson Electric Co., Bellwood, Ill.
 Jensen Mfg. Co., 6601 S. Laramie Ave., Chicago 38, Ill.
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y. (h)
 Karet Associates, Inc., R. M., 510 N. Dearborn St., Chicago, Ill.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
KENYON TRANSFORMER CO., INC., 840 Barry St., New York 59, N. Y. SEE ADV. PGS. 138, 139. (h)
 Kyle Co., Div. of Line Material Co., South Milwaukee, Wis.
 Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196. (h)
 Magnavox Co., The, Components Div., Fort Wayne 4, Ind.
 Magnetic Products Corp., The, Norwalk, Conn. (h)
 Maguire Industries, Inc., Electronics Dept., Bridgeport, Conn.
 Melco Products, Inc., 22 E. Hennepen Ave., Minneapolis 1, Minn. (h)
 Merit Coil & Transformer Corp., 4427 N. Clark St., Chicago 40, Ill.
 Miller, B. F., P. O. Box 568, Trenton 4, N. J.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156. (h)
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y. (h)
 Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
PERMOFLUX CORP., 4900 W. Grand Ave., Chicago, Ill. SEE ADV. PG. 230.
PICKERING & CO., 309 Woods Ave., Oceanside, L. I., N. Y. SEE ADV. PG. 130.
 Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio-Music Corp., Port Chester, N. Y.

RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Red Arrow Electric Corp., 100 Colt St., Irvington 11, N. J. (h)
 Rola Co. Inc., 2530 Superior Ave., Cleveland, Ohio (h)
 S. N. C. Mfg. Co., Inc., Oskosh, Wis. (h)
 Slepian Co., Arthur, Bridgeport, Conn. -
 Southwestern Industrial Electronic Co. 2831 Post Oak Rd., Houston 19, Texas (h)
 Standard Electrical Products Co., Dayton 3, Ohio (h)
STANDARD TRANSFORMER CORP., Alston, Kedzie & Addison, Chicago 18, Illinois. SEE ADV. PG. 207. (h)
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33. (h)
 Thermador Electric Mfg. Co., 5119 District Blvd., Los Angeles 22, Calif. (h)
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill. (h)
 Transformer Engineers, 389 South Arroyo Parkway, Pasadena, Calif.
 Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif. (h)
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover. (h)
 Universal Broadcast Equipment Corp., 6035 Northwest Highway, Chicago 31, Ill.
 Webster Electric Co., 1900 Clark St., Racine, Wis.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

TRANSFORMERS—Auto

ACME ELECTRIC CORPORATION, Cuba, N. Y. SEE ADV. PG. 231. (h)
 Acro Products Co., 5330 Baltimore Ave., Philadelphia, Pa.
AMERICAN TRANSFORMER CO., 178 Emmett St., Newark, N. J. SEE ADV. PG. 116. (h)
 Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa. (h)
 Airpax Products Co., 1024 Greenmount Ave., Baltimore 2, Md. (h)
AMERICAN TRANSFORMER CO., 178 Emmett St., Newark, N. J. SEE ADV. PG. 116. (h)
 Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind. (h)
AUDIO DEVELOPMENT CO., 2833 13th Ave. S., Minneapolis 7, Minn. SEE ADV. PG. 94. (h)
 Chicago Electronic Engineering Co., 3223 W. Armitage Ave., Chicago 47, Ill. (h)
 Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill. (h)
 D. & M. Manufacturing Co., 2 Delford Ave., Bergenfield, N. J.
 Davis & Co., Dean W., Kentland, Ind.
 Dinion Coil Co., Inc., Caledonia, N. Y.
 Dongan Electric Mfg. Co., 2987 Franklin St., Detroit, Mich.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
 Electran Mfg. Co., 4596 Elston Ave., Chicago 30, Ill.
 Electrical Windings, Inc., 2015 N. Kolmar Ave., Chicago 39, Ill. (h)
 Electricoil Transformer Co., 421 Canal St., New York 13, N. Y.
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200. (h)
FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio (h)
FREED TRANSFORMER CO., 1736 Weirfield St., Brooklyn 27, N. Y. SEE ADV. PG. 53. (h)
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.

Goslin Electric & Mfg. Co., 2921 W. Olive St., Burbank, Calif. (h)
GRAMER COMPANY, THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
 Halldorson Company, The, 4500 Ravenswood Ave., Chicago 40, Ill.
 Inductive Equipment Co., Gettysburg, Pa.
 Jefferson Electric Co., Bellwood, Ill.
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y. (h)
KENYON TRANSFORMER CO., INC., 840 Barry St., New York 59, N. Y. SEE ADV. PGS. 138, 139. (h)
 Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196. (h)
 Magnetic Products Corp., The, Norwalk, Conn. (h)
 Magnetic Windings Div., Essex Wire Corp., Freemansburg Ave. & Hobson Blvd., Easton, Pa. (h)
 Melco Products, Inc., 22 E. Hennepen Ave., Minneapolis 1, Minn. (h)
 Merit Coil & Transformer Corp., 4427 N. Clark St., Chicago 40, Ill.
 Miller, B. F., P. O. Box 568, Trenton 4, N. J.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156. (h)
 Nothelfer Winding Labs., 9 Albemarle Ave., Trenton 3, N. J.
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y. (h)
 Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Red Arrow Electric Corp., 100 Colt St., Irvington, N. J.
 Rola Co., Inc., The, 2530 Superior Ave., Cleveland 14, Ohio (h)
 S. N. C. Mfg. Co., Oskosh, Wis. (h)
 Sheboygan X-Ray Co., 1135 Indiana, Sheboygan, Wis.
 Sola Electric Co., 4633 W. 16th St., Chicago 50, Ill.
SORENSON & CO., INC., 375 Fairfield Ave., Stamford, Conn. SEE ADV. PG. 211. (h)
 Sorgel Electric Co., 838 W. National Ave., Milwaukee 4, Wis.
 Standard Electrical Products Co., Dayton 3, Ohio (h)
STANDARD TRANSFORMER CORP., Elston, Kedzie & Addison, Chicago 18, Illinois. SEE ADV. PG. 207. (h)
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33. (h)
 Thermador Electric Mfg. Co., 5119 District Blvd., Los Angeles 22, Calif. (h)
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill. (h)
 Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif. (h)
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover. (h)
 Wagner Electric Corp., 6400 Plymouth Ave., St. Louis, Mo.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

TRANSFORMERS—Blocking Oscillator

Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
 Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa. (h)
 Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind. (h)
AUDIO DEVELOPMENT CO., 2833 13th Ave. S., Minneapolis 7, Minn. SEE ADV. PG. 94. (h)
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill. (h)
 Davis & Co., Dean W., Kentland, Ind.
 Dietz Design & Mfg. Co., 5810 Park Ave., Kansas City 4, Mo.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200. (h)

Empire Coil Co., Inc., 238 Huguenot St., New Rochelle, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135. (h)
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio. (h)
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
 Goslin Electric & Mfg. Co., 2921 W. Olive St., Burbank, Calif. (h)
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y. (h)
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196. (h)
 Magnetic Products Corp., The, Norwalk, Conn. (h)
 Magnetic Windings Div., Essex Wire Corp., Freemansburg Ave. & Hobson Blvd., Easton, Pa. (h)
 Merit Coil & Transformer Corp., 4427 N. Clark St., Chicago 40, Ill.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156. (h)
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y. (h)
 Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
 Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Rola Co., Inc., The, 2530 Superior Ave., Cleveland 14, Ohio (h)
 S. N. C. Mfg. Co., Inc., Oshkosh, Wis. (h)
STANDARD TRANSFORMER CORP., Alston, Kedzie & Addison, Chicago 18, Ill. SEE ADV. PG. 207. (h)
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33. (h)
 S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
 Teletron Co., The, 4019 Prospect Ave., Cleveland 3, Ohio
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill. (h)
 Transformer Engineers, 389 S. Arroyo Pkway., Pasadena, Calif.
 Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 3, Calif. (h)
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover. (h)
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

TRANSFORMERS—Current

Annis Co., R. B., 1101 N. Delaware St., Indianapolis, Ind.
 Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind. (h)
 Associated Research, Inc., 3758 W. Belmont, Chicago 18, Ill.
 Burlington Instrument Co., Burlington, Iowa
 Chicago Electronic Engineering Co., 3223 W. Armitage Ave., Chicago 47, Ill. (h)
 Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill. (h)
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Communication Accessories Co. Box 345 110th St. & Hillcrest Rd., Hickman Hills, Missouri
 Davis & Co., Dean W., Kentland, Ind.
 Electron Mfg. Co., 4596 Elston Ave., Chicago 30, Ill. (h)
 Electric Machinery Mfg. Co., 1331 N.E. Tyler St., Minneapolis 13, Minn.
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200. (h)
 Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135. (h)
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio (h)

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, O.
 Inductive Equipment Co., Gettysburg, Pa.
 Instrument Electronics, 42-17 A. Douglaston Pkway, Douglaston, L. I., N. Y.
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196. (h)
 Magnetic Products Corp., The, Norwalk, Conn. (h)
 Melco Products, Inc., 22 E. Hennepen Ave., Minneapolis 1, Minn. (h)
 Miller, B. F., P. O. Box 568, Trenton 4, N. J.
 Nothelfer Winding Labs., 9 Albemarle Ave., Trenton 3, N. J.
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y. (h)
 Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
 Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Rola Co., Inc., The, 2530 Superior Ave., Cleveland 14, Ohio (h)
 S. N. C. Mfg. Co., Inc., Oshkosh, Wis. (h)
 Sheboygan X-Ray Co., 1135 Indiana, Sheboygan, Wis.
SORENSEN & CO., INC., 375 Fairfield Ave., Stamford, Conn. SEE ADV. PG. 211. (h)
 Sorgel Electric Co., 838 W. National Ave., Milwaukee 4, Wis.
SORENSEN & CO., INC., 375 Fairfield Ave., Stamford, Conn. SEE ADV. PG. 211. (h)
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill. (h)
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover. (h)
 Webster Electric Co., 1900 Clark St., Racine, Wis.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TRANSFORMERS—Discriminator

Arco Transformer & Mfg., Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
 Airpax Products Co., 1024 Greenmount Ave., Baltimore 2, Md. (h)
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
BURNELL & CO., 45 Warburton Ave., Yonkers 2, N. Y. SEE ADV. PG. 45.
 Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.
 Chicago Electronics Engineering Co., 3223 W. Armitage Ave., Chicago 47, Ill. (h)
 Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill. (h)
 Coil Winders, Inc., 61 Bergen St., Brooklyn 2, N. Y.
 Davis & Co., Dean W., Kentland, Ind.
 Dietz Design & Mfg. Co., 5810 Park Ave., Kansas City 4, Mo.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200. (h)
 Essex Electronics, Berkeley Heights, N. J.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135. (h)
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
HARNETT ELECTRIC CORP., 138 Haven Ave., Port Washington, L. I., N. Y. SEE ADV. PG. 188.
HILLBURN ELECTRONIC PRODUCTS CO., 55 Nassau Ave., Brooklyn 22, N. Y. SEE ADV. PG. 112.
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196. (h)
 Leonard Electric Products Co., Inc., 1562 61st St., Brooklyn 19, N. Y.
 Magnetic Windings Div., Essex Wire Corp., Freemansburg Ave. & Hobson Blvd., Easton, Pa. (h)

Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
 Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Monroe Coil Co., 2659 W. 19th St., Chicago, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y. (h)
 Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
 Sickles Co., F. W., 165 Front St., Chicopee, Mass.
STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 18, Ill. SEE ADV. PG. 219.
 Stanwyck Winding Co., 102-104 S. Lander St., Newburgh, N. Y.
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33. (h)
 Teleradio Engineering Corp., 99 Wall St., New York 5, N. Y.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill. (h)
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover. (h)
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.

TRANSFORMERS—Impedance Matching

Acro Products Co., 5330 Baltimore Ave., Phila., Pa.
 Arco Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
 Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa. (h)
 Airpax Products Co., 1024 Greenmount Ave., Baltimore 2, Md. (h)
 Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y. (h)
 Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind. (h)
AUDIO DEVELOPMENT CO., 2833 13th Ave. S., Minneapolis 7, Minn. SEE ADV. PG. 94. (h)
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
BURNELL & CO., 45 Warburton Ave., Yonkers 2, N. Y. SEE ADV. PG. 45.
 Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill. (h)
CINAUDAGRAPH SPEAKERS, INC., Div. of Aireon Mfg. Corp., 1401 Fairfax Trafficway, Kansas City, Kan. SEE ADV. PG. 62.
 Communication Products Co., Inc., Broadway & Clark St., Keyport, N. J.
 Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass. (h)
 Electron Mfg. Co., 4596 Elston Ave., Chicago 30, Ill. (h)
 Electrical Windings, Inc., 2015 N. Kolmar Ave., Chicago 39, Ill. (h)
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200. (h)
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135. (h)
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio (h)
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
 Goslin Electric & Mfg. Co., 2921 W. Olive St., Burbank, Calif. (h)
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
 Jensen Mfg. Co., 6601 S. Laramie Ave., Chicago 38, Ill.
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y. (h)

Karet Associates, Inc., R. M., 510 N. Dearborn St., Chicago, Ill.
 Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196. (h)
 Leonard Electric Products Co., Inc., 1562 61st St., Brooklyn 19, N. Y.
 Magnetic Windings Div., Essex Wire Corp., Freemansburg Ave. & Hobson Blvd., Easton, Pa. (h)
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Merit Coil & Transformer Corp., 4427 N. Clark St., Chicago 40, Ill.
 Miller, B. F., P. O. Box 568, Trenton 4, N. J.
 Newcomb Audio Products Co., 6824 Lexington Ave., Hollywood 38, Calif.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156. (h)
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y. (h)
 Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
 Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio-Music Corp., Port Chester, N. Y.
 Rauland-Borg Corp., 4245 N. Knox Ave., Chicago 41, Ill.
 Rola Co., Inc., The, 2530 Superior Ave., Cleveland 14, Ohio (h)
 S. N. C. Mfg. Co., Inc., Oshkosh, Wis. (h)
 Standard Electrical Products Co., Dayton 3, Ohio (h)
 Standard Transformer Corp., Elston, Kedzie & Addison, Chicago 18, Ill. (h)
 Telectron Co., The, 4019 Prospect Ave., Cleveland 3, Ohio.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill. (h)
 Transformer Engineers, 389 S. Arroyo Pkwy., Pasadena, Calif.
 Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif. (h)
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover. (h)
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.
 Wilder Mfg. Corp., 3569 Fullerton Ave., Chicago 47, Ill. (h)

TRANSFORMERS—Instrument

Annis Co., R. B., 1101 N. Delaware St., Indianapolis, Ind.
 Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind. (h)
ARMA CORP., 254 36th St., Brooklyn 32, N. Y. SEE ADV. PG. 220.
 Associated Research, Inc., 3758 W. Belmont, Chicago 18, Ill.
AUDIO DEVELOPMENT CO., 2833 13th Ave. S., Minneapolis 7, Minn. SEE ADV. PG. 94. (h)
 Burlington Instrument Co., Burlington, Iowa
 Chicago Electronic Engineering Co., 3223 W. Armitage Ave., Chicago 47, Ill. (h)
 Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill. (h)
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Communication Accessories Co., Box 345, 110th St. & Hillcrest Rd., Hickman Hills, Missouri
 Davis & Co., Dean W., Kentland, Ind.
 Dinion Coil Co., Inc., Caledonia, N. Y.
 Electron Mfg. Co., 4596 Elston Ave., Chicago 30, Ill. (h)
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200. (h)
 Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135. (h)
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio (h)

FREED TRANSFORMER CO., 1736 Weirfield St., Brooklyn 27, N. Y. SEE ADV. PG. 53.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Inductive Equipment Co., Gettysburg, Pa.
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y. (h)
 Karet Associates, Inc., R. M., 510 N. Dearborn St., Chicago, Ill.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196. (h)
 Magnetic Windings Div., Essex Wire Corp., Freemansburg Ave. & Hobson Blvd., Easton, Pa. (h)
 Melco Products, Inc., 22 E. Hennepin Ave., Minneapolis 1, Minn. (h)
 Merit Coil & Transformer Co., 4427 N. Clark St., Chicago 40, Ill.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156.
 Nothelfer Winding Labs., 9 Albemarle Ave., Trenton 3, N. J.
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y. (h)
 Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
 Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Red Arrow Electric Corp., 100 Colt St., Irvington 11, N. J. (h)
 S. N. C. Mfg. Co., Inc., Oshkosh, Wis. (h)
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Standard Electrical Products Co., Dayton 3, Ohio (h)
SUPERIOR ELECTRIC CO., THE, 83 Laurel St., Bistol, Conn. SEE ADV. PGS. 142, 143.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill. (h)
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover. (h)
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

TRANSFORMERS—Microphone

ACME ELECTRIC CORPORATION, Cuba, N. Y. SEE ADV. PG. 231. (h)
 Arco Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City, 6, N. Y.
 Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa. (h)
AMERICAN TRANSFORMER CO., 178 Emmet St., Newark, N. J. SEE ADV. PG. 116.
 Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind. (h)
AUDIO DEVELOPMENT CO., 2833 13th Ave. S., Minneapolis 7, Minn. SEE ADV. PG. 94. (h)
 Chicago Electronic Engineering Co., 3223 W. Armitage Ave., Chicago 47, Ill. (h)
 Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill. (h)
 Columbus Process Co., Inc., State & Maple Sts., East Columbus, Ind.
 Davis & Co., Dean W., Kentland, Ind.
 Dinion Coil Co., Inc., Caledonia, N. Y.
 Electrical Windings, Inc., 2015 N. Kolmar Ave., Chicago 39, Ill. (h)
ELECTRO-VOICE, INC., Buchanan, Mich. SEE ADV. PG. 195.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200. (h)

FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135. (h)
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio (h)
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
 Goslin Electric & Mfg. Co., 2921 W. Olive St., Burbank, Calif. (h)
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
 Halldorson Company, The, 4500 Ravenswood Ave., Chicago 40, Ill.
 Inductive Equipment Co., Gettysburg, Pa.
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y. (h)
KENYON TRANSFORMER CO., INC., 840 Barry St., New York 59, N. Y. SEE ADV. PGS. 138, 139. (h)
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196. (h)
 Magnetic Products Corp., The, Norwalk, Conn. (h)
 Magnetic Windings Div., Essex Wire Corp., Freemansburg Ave. & Hobson Blvd., Easton, Pa. (h)
 Merit Coil & Transformer Corp., 4427 N. Clark St., Chicago 40, Ill.
 Miller, B. F., P. O. Box 568, Trenton 4, N. J.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156. (h)
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y. (h)
 Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
PERMOFLUX CORP., 4900 W. Grand Ave., Chicago, Ill. SEE ADV. PG. 230.
 Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Rauland-Borg Corp., 4245 N. Knox Ave., Chicago 41, Ill.
 Red Arrow Electric Corp., 100 Colt St., Irvington 11, N. J. (h)
 S. N. C. Mfg. Co., Inc., Oshkosh, Wis. (h)
 Standard Electrical Products Co., Dayton 3, Ohio (h)
STANDARD TRANSFORMER CORP., Elston, Kedzie & Addison, Chicago 18, Ill. SEE ADV. PG. 207. (h)
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Avenue, Jersey City, N. J. SEE ADV. PG. 33. (h)
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill. (h)
 Transformer Engineers, 389 South Arroyo Parkway, Pasadena, Calif.
 Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif. (h)
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover. (h)
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

TRANSFORMERS—Microwave

Chicago Electronic Engineering Co., 3223 W. Armitage Ave., Chicago 47, Ill. (h)
 Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill. (h)
 DeMornay-Budd, Inc., 475 Grand Concourse, New York 51, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135. (h)
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio (h)
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
 Goslin Electric & Mfg. Co., 2921 W. Olive St., Burbank, Calif. (h)
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y. (h)
 Microwave Equipment Co., North Caldwell, N. J.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156. (h)

Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y. (h)
Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
S. N. C. Mfg. Co., Inc., Oshkosh, Wis. (h)
SPERRY GYROSCOPE CO., Div. of The Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
Technicraft Laboratories, Inc., Box 1908, Waterbury, Conn.
Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.

TRANSFORMERS—Miniature

Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa. (h)
Airpax Products Co., 1024 Greenmount Ave., Baltimore 2, Md. (h)
AMERICAN TRANSFORMER CO., 178 Emmet St., Newark, N. J. SEE ADV. PG. 116. (h)
AUDIO DEVELOPMENT CO., 2833 13th Ave. S., Minneapolis 7, Minn. SEE ADV. PG. 94. (h)
Chicago Electronic Engineering Co., 3223 W. Armitage Ave., Chicago 47, Ill. (h)
Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill. (h)
Columbus Process Co., Inc., State St., East Columbus, Ind.
Communication Accessories Co., Box 345, 110th St. & Hillcrest Rd., Hickman Hills, Missouri
Davis & Co., Dean W., Kentland, Ind.
Dietz Design & Mfg. Co., 5810 Park Ave., Kansas City 4, Mo.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200. (h)
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135. (h)
FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio (h)
Goslin Electric & Mfg. Co., 2921 W. Olive St., Burbank, Calif. (h)
HILLBURN ELECTRONIC PRODUCTS CO., 55 Nassau Ave., Brooklyn 22, N. Y. SEE ADV. PG. 112.
K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y. (h)
Karet Associates, Inc., R. M., 510 N. Dearborn St., Chicago, Ill.
KENYON TRANSFORMER CO., INC., 840 Barry St., New York 59, N. Y. SEE ADV. PGS. 138, 139. (h)
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196. (h)
Magnetic Products Corp., The, Norwalk, Conn. (h)
Magnetic Windings Div., Essex Wire Corp., Freemansburg Ave. & Hobson Blvd., Easton, Pa. (h)
Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
Merit Coil & Transformer Corp., 4427 N. Clark St., Chicago 40, Ill.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156. (h)
Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y. (h)
Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
PERMOFLUX CORP., 4900 W. Grand Ave., Chicago, Ill. SEE ADV. PG. 230.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers. (h)
S. N. C. Mfg. Co., Inc., Oshkosh, Wis. (h)
Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
Standard Electrical Products Co., Dayton 3, Ohio (h)
STANDARD TRANSFORMER CORP., Elston, Kedzie & Addison, Chicago 18, Ill. SEE ADV. PG. 207. (h)
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Avenue, Jersey City, N. J. SEE ADV. PG. 33. (h)

Thermador Electric Mfg. Co., 5119 District Blvd., Los Angeles 22, Calif. (h)
Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill. (h)
Transformer Engineers, 389 South Arroyo Parkway, Pasadena, Calif.
Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif. (h)
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover. (h)
Vacolite Co., 3001-3003 N. Henderson, Dallas, Texas
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.
Wildner Mfg. Corp., 3569 Fullerton Ave., Chicago 47, Ill. (h)

TRANSFORMERS—Plug-in

Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa. (h)
Airpax Products Co., 1024 Greenmount Ave., Baltimore 2, Md. (h)
Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind. (h)
AUDIO DEVELOPMENT CO., 2833 13th Ave. S., Minneapolis 7, Minn. SEE ADV. PG. 94. (h)
Coil Winders Inc., 61 Bergen St., Brooklyn 2, N. Y.
Davis & Co., Dean W., Kentland, Ind.
Electrical Windings, Inc., 2015 N. Kolmar Ave., Chicago 39, Ill. (h)
Electricoil Transformer Co., 421 Canal St., New York 13, N. Y.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200. (h)
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135. (h)
Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y. (h)
KENYON TRANSFORMER CO., INC., 840 Barry St., New York 59, N. Y. SEE ADV. PGS. 138, 139. (h)
Magnetic Products Corp., The, Norwalk, Conn. (h)
Magnetic Windings Div., Essex Wire Corp., Freemansburg Ave. & Hobson Blvd., Easton, Pa. (h)
Newcomb Audio Products Co., 6814 Lexington Ave., Hollywood 38, Calif.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156. (h)
Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y. (h)
Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
Radionic Transformer Co., 411 S. Sangamon St., Chicago 7, Ill.
Rittenhouse Co., Inc., The, Honeoye Falls, N. Y.
S. N. C. Mfg. Co., Inc., Oshkosh, Wis. (h)
Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
Standard Electrical Products Co., Dayton 3, Ohio (h)
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33. (h)
Thermador Electric Mfg. Co., 5119 District Blvd., Los Angeles 22, Calif. (h)
Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill. (h)
Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif. (h)
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover. (h)

TRANSFORMERS—Power

ACME ELECTRIC CORPORATION, Cuba, N. Y. SEE ADV. PG. 231. (h)
Acro Products Co., 5330 Baltimore Ave., Phila., Pa. (h)

Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa. (h)
Airpax Products Co., 1024 Greenmount Ave., Baltimore 2, Md. (h)
Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y. (h)
AMERICAN TELEVISION & RADIO CO., 300 E. Fourth St., St. Paul 1, Minn. SEE ADV. PG. 192.
AMERICAN TRANSFORMER CO., 178 Emmet St., Newark, N. J. SEE ADV. PG. 116. (h)
Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind. (h)
AUDIO DEVELOPMENT CO., 2833 13th Ave. S., Minneapolis 7, Minn. SEE ADV. PG. 94. (h)
Bittermann Electric Co., Box 665, Canaan, Conn. (h)
Chicago Electronic Engineering Co., 3223 W. Armitage Ave., Chicago 47, Ill. (h)
Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill. (h)
Cole Radio Works, 86 Westville Ave., Caldwell, N. J.
Columbus Process Co., Inc., State & Maple Sts., East Columbus, Ind.
Control Corp., 718 Central Ave., Minneapolis 14, Minn.
D. & M. Mfg. Co., 2 Delford Ave., Bergenfield, N. J.
DANO ELECTRIC CO., Winsted, Conn. SEE ADV. PG. 162.
Delco Radio Div., General Motors Corp., Kokomo, Ind.
Dinon Coil Co., Inc., Caledonia, N. Y.
Dongan Electric Mfg. Co., 2987 Franklin St., Detroit, Mich.
Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass. (h)
Ecco High Frequency Corp., 7020 Hudson Blvd., North Bergen, N. J.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
Electran Mfg. Co., 4596 Elston Ave., Chicago 30, Ill. (h)
Electric Heat Control Co., The, 9123 Inman Ave., Cleveland 5, Ohio
Electrical Windings, Inc., 2015 N. Kolmar Ave., Chicago 39, Ill. (h)
Electricoil Transformer Co., 421 Canal St., New York 13, N. Y.
Electro Engineering Works, 6021 College Ave., Oakland 18, Calif. (h)
Electronic Labs., Inc., 24 W. 24th St., Indianapolis 4, Ind.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200. (h)
Empire Coil Co., Inc., 238 Huguenot St., New Rochelle, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135. (h)
FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio (h)
Gardner Electric Mfg. Co., 4227 Hollis St., Emeryville 8, Calif.
Gaveco Labs., Inc., 2 East Ave., New York 21, N. Y.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
General Transformer Corp., 4321 N. Knox Ave., Chicago 41, Ill. (h)
Goslin Electric & Mfg. Co., 2921 W. Olive St., Burbank, Calif. (h)
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
Halldorson Co., The, 4500 Ravenswood Ave., Chicago 40, Ill.
Hercules Electric & Mfg. Co., Inc., 2500 Atlantic Ave., Brooklyn 7, N. Y.
Inductive Equipment Co., Gettysburg, Pa.
Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
J.F.D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
Jefferson Electric Co., Bellwood, Ill.
K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y. (h)
Karet Associates, Inc., R. M., 510 N. Dearborn St., Chicago, Ill.

KENYON TRANSFORMER CO., INC., 840 Barry St., New York 59, N. Y. SEE ADV. PGS. 138, 139. (h)

Kyle Co., Div. of Line Material Co., South Milwaukee, Wis.

Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.

LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196. (h)

Magnetic Products Corp., The, Norwalk, Conn. (h)

Magnetic Windings Div., Essex Wire Corp., Freemansburg Ave. & Hobson Blvd., Easton, Pa. (h)

Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.

Melco Products, Inc., 22 E. Hennepin Ave., Minneapolis 1, Minn. (h)

Mellaphone Corp., Rochester 2, N. Y.

Merit Coil & Transformer Corp., 4427 N. Clark St., Chicago 40, Ill.

Miller, B. F., P. O. Box 568, Trenton 4, N. J.

NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156. (h)

Nothelfer Winding Labs., 9 Albemarle Ave., Trenton 3, N. J.

Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y. (h)

Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.

Piezo Mfg. Corp., 110 E. 42nd St., New York 17, N. Y.

Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Radionic Transformer Co., 411 S. Sangamon St., Chicago 7, Ill.

RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.

Red Arrow Electric Corp., 100 Colt St., Irvington 11, N. J. (h)

Rittenhouse Co., Inc., The, Honeoye Falls, N. Y.

Rola Co., Inc., The, 2530 Superior Ave., Cleveland 14, Ohio (h)

"S" CORRUGATED QUENCHED GAP CO., Scientific Electric Div., 107 Monroe St., Garfield, N. J. SEE ADV. PG. 161.

Sheboygan X-Ray Co., 1135 Indiana, Sheboygan, Wis.

Slepian Co., Arthur, Bridgeport, Conn.

Sola Electric Co., 4633 W. 16th St., Chicago 50, Ill.

SORENSEN & CO., INC., 375 Fairfield Ave., Stamford, Conn. SEE ADV. PG. 211. (h)

Sorgel Electric Co., 838 W. National Ave., Milwaukee 4, Wis.

Standard Electrical Products Co., Dayton 3, Ohio (h)

STANDARD TRANSFORMER CORP., Elston, Kedzie & Addison, Chicago 18, Ill. SEE ADV. PG. 207. (h)

SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33. (h)

Thermador Electric Mfg. Co., 5119 District Blvd., Los Angeles 22, Calif. (h)

Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill. (h)

Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif. (h)

UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover. (h)

VICKERS ELECTRIC DIV., Vickers Inc., 1815 Locust St., St. Louis 3, Mo. SEE ADV. PG. 194. (h)

Wagner Electric Corp., 6400 Plymouth Ave., St. Louis, Mo.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.

Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

Wilder Mfg. Corp., 3569 Fullerton Ave., Chicago 47, Ill. (h)

TRANSFORMERS—Pulse

Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.

Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa. (h)

Airpax Products Co., 1024 Greenmount Ave., Baltimore 2, Md. (h)

Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y. (h)

AMERICAN TRANSFORMER CO., 178 Emmett St., Newark, N. J. SEE ADV. PG. 116. (h)

AUDIO DEVELOPMENT CO., 2833 13th Ave. S., Minneapolis 7, Minn. SEE ADV. PG. 94. (h)

Dinion Coil Co., Inc., Caledonia, N. Y.

Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.

Electronic Transformer Co., 178 Emmett St., Newark, N. J.

ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200. (h)

FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.

Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)

Goslin Electric & Mfg. Co., 2921 W. Olive St., Burbank, Calif. (h)

Karet Associates, Inc., R. M., 510 N. Dearborn St., Chicago, Ill.

K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y. (h)

KENYON TRANSFORMER CO., INC., 840 Barry St., New York 59, N. Y. SEE ADV. PGS. 138, 139. (h)

LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196. (h)

Magnetic Products Corp., The, Norwalk, Conn.

Magnetic Windings Div., Essex Wire Corp., Freemansburg Ave. & Hobson Blvd., Easton, Pa. (h)

Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.

NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156. (h)

Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y. (h)

Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.

S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.

Slepian Co., Arthur, Bridgeport, Conn.

SORENSEN & CO., INC., 375 Fairfield Ave., Stamford, Conn. SEE ADV. PG. 211. (h)

Standard Electrical Products Co., Dayton 3, Ohio (h)

Telectron Co., The, 4019 Prospect Ave., Cleveland 3, Ohio

Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill. (h)

Transformer Engineers, 389 S. Arroyo P'kway, Pasadena, Calif.

UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover. (h)

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67. (h)

TRANSFORMERS—r-f and i-f

ACME ELECTRIC CORPORATION, Cuba, N. Y. SEE ADV. PG. 231. (h)

Aladdin Radio Industries, Inc., 501 W. 35th St., Chicago 16, Ill.

Automatic Mfg. Corp., 65 Gouverneur St., Newark, N. J.

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.

Bittermann Electric Co., Box 665, Canaan, Conn. (h)

BOND ELECTRONICS CORP., 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.

C-B Mfg. Co., 480 Broome St., New York 13, N. Y.

CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.

Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.

Clippard Instrument Lab., Inc., 1125 Bank St., Cincinnati 14, Ohio

Coil Winders Inc., 61 Bergen St., Brooklyn 2, N. Y.

Communication Parts, 1101 N. Paulina St., Chicago 22, Ill.

Delco Radio Div., General Motors Corp., Kokomo, Ind.

Dietz Design & Mfg. Co., 5810 Park Ave., Kansas City 4, Mo.

Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.

Essex Electronics, Berkeley Heights, N. J.

FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135. (h)

GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18. (h)

HARNETT ELECTRIC CORP., 138 Haven Ave., Port Washington, L. I., N. Y. SEE ADV. PG. 188.

HILLBURN ELECTRONIC PRODUCTS CO., 55 Nassau Ave., Brooklyn 22, N. Y. SEE ADV. PG. 112.

Houlihan Co., T. J., 2508-14 W. Lawrence Ave., Chicago 25, Ill.

Johnson Co., E. F., Waseca, Minn.

Leonard Electric Products Co., Inc., 1562 61st St., Brooklyn 19, N. Y.

Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.

McMurdo Silver Co., 1240 Main St., Hartford 3, Conn.

Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.

Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.

Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.

Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.

Monroe Coil Co., 2659 W. 19th St., Chicago, Ill.

Muter Co., 1255 S. Michigan Ave., Chicago, Ill.

NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.

Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.

STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.

Ross Mfg. Co., 860 Washington St., Burlington, Iowa

S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.

Sickles Co., F. W., 165 Front St., Chicopee, Mass.

Special Products Co., Silver Spring, Maryland

STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.

Stanwyck Winding Company, 102-104 S. Lander St., Newburgh, N. Y.

SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33. (h)

Teleradio Engineering Corp., 99 Wall St., New York 5, N. Y.

West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.

TRANSFORMERS—r-f

Automatic Mfg. Corp., 65 Gouverneur St., Newark, N. J.

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.

BOND ELECTRONICS CORP., 88 Franklin Place, Summit, N. J. SEE ADV. PG. 212.

C-B Mfg. Co., 480 Broome St., New York 13, N. Y.
CAMBRIDGE THERMIONIC CORP., 445 Concord Ave., Cambridge, Mass. SEE ADV. PG. 178.
 Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.
 Clippard Instrument Lab., Inc., 1125 Bank St., Cincinnati 14, Ohio
 Coil Winders Inc., 61 Bergen St., Brooklyn 2, N. Y.
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
 Essex Electronics, Berkeley Heights, N. J.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135. (h)
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18. (h)
HARNETT ELECTRIC CORP., 138 Haven Ave., Port Washington, L. I., N. Y. SEE ADV. PG. 188.
 Houlihan Co., T. J., 2508-14 Lawrence Ave., Chicago 25, Ill.
 Johnson Co., E. F., Waseca, Minn.
 Leonard Electric Products Co., Inc., 1562 61st St., Brooklyn 19, N. Y.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
 Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
 Precision Tube Co., Inc., 3828 Terrace St., Philadelphia 28, Pa.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
 Sickles Co., F. W., 165 Front St., Chicopee, Mass.
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Ave., Jersey City, N. J. SEE ADV. PG. 33. (h)
 Teletron Co., The, 4019 Prospect Ave., Cleveland 3, Ohio
 Teleradio Engineering Corp., 99 Wall St., New York 5, N. Y.
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.

TRANSFORMERS — Rhombic Antenna Coupling

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
J.F.D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
 Technical Materiel Corporation, The, 453 West 47th St., New York 19, N. Y.

TRANSFORMERS—Tone Oscillator

Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
 Airdesign, Inc., 241 Fairchild Ave., Upper Darby, Pa. (h)
 Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.
 Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind. (h)
AUDIO DEVELOPMENT CO., 2833 13th Ave. S., Minneapolis 7, Minn. SEE ADV. PG. 94. (h)
BURNELL & CO., 45 Warburton Ave., Yonkers 2, N. Y. SEE ADV. PG. 45.
 Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill. (h)

Communication Accessories Co., Box 345, 110th St., & Hillcrest Rd., Hickman Hills, Mo.
 Davis & Co., Dean W., Kentland, Ind.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200. (h)
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135. (h)
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio (h)
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
 Inductive Equipment Co., Gettysburg, Pa.
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y. (h)
KENYON TRANSFORMER CO., INC., 840 Barry St., New York 59, N. Y. SEE ADV. PGS. 138, 139. (h)
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196. (h)
 Merit Coil & Transformer Corp., 4427 N. Clark St., Chicago 40, Ill.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
NEW YORK TRANSFORMER CO., INC., Third Ave., Alpha, N. J. SEE ADV. PG. 156. (h)
 Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill. (h)
 S. N. C. Mfg. Co., Oshkosh, Wis. (h)
SUPER ELECTRIC PRODUCTS CORP., 1057 Summit Avenue, Jersey City, N. J. SEE ADV. PG. 33. (h)
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill. (h)
 Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 3, Calif. (h)
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover. (h)

TRANSFORMERS—Ultrasonic

Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
AUDIO DEVELOPMENT CO., 2833 13th Ave. S., Minneapolis 7, Minn. SEE ADV. PG. 94. (h)
 Communication Accessories Co., Box 345, 110th St., & Hillcrest Rd., Hickman Hills, Missouri
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200. (h)
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135. (h)
 Inductive Equipment Co., Gettysburg, Pa.
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y. (h)
KENYON TRANSFORMER CO., INC., 840 Barry St., New York 59, N. Y. SEE ADV. PGS. 138, 139. (h)
LENKURT ELECTRIC CO., INC., San Carlos, Calif. SEE ADV. PG. 196. (h)
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y. (h)
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill. (h)
 Transformer Engineers, 389 S. Arroyo Pkway., Pasadena, Calif.
 Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 3, Calif. (h)
UNITED TRANSFORMER CO., 150 Varick Street, New York 13, N. Y. SEE ADV. PG. Inside Front Cover. (h)

TRANSFORMERS—Vacuum Microwave

FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. Adv. Pgs. 129, 131, 133, 135. (h)
JENNINGS RADIO MFG. CO., 1098 E. William St., San Jose 12, Calif. SEE ADV. PGS. 158, 159.

TRANSFORMERS—Vibrator

See Transformers, Power

TRANSFORMERS—Voltage Regulating

ACME ELECTRIC CORPORATION, Cuba, N. Y. SEE ADV. PG. 231. (h)
 Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
 Airpax Products Co., 1024 Greenmount Ave., Baltimore 2, Md. (h)
AMERICAN TRANSFORMER CO., 178 Emmett St., Newark, N. J. SEE ADV. PG. 116. (h)
 Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.
 Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind. (h)
BOONTON RADIO CORP., Boonton, N. J. SEE ADV. PG. 61.
 Chicago Electronic Engineering Co., 3223 W. Armitage Ave., Chicago 47, Ill. (h)
DANO ELECTRIC CO., Winsted, Conn. SEE ADV. PG. 192.
 Electrical Windings, Inc., 2015 N. Kolmar Ave., Chicago 39, Ill. (h)
 Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200. (h)
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135. (h)
 Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio (h)
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
GRAMER CO., THE, 2734 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 132.
 Halldorson Co., The, 4500 Ravenswood Ave., Chicago 40, Ill.
 Hercules Electric & Mfg. Co., Inc., 2500 Atlantic Ave., Brooklyn 7, N. Y.
 Inductive Equipment Co., Gettysburg, Pa.
 K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y. (h)
 Karet Associates, Inc., R. M. 510 N. Dearborn St., Chicago, Ill.
 Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
 Melco Products, Inc., 22 E. Hennepin Ave., Minneapolis 1, Minn. (h)
 Miller, B. F., P. O. Box 568, Trenton 4, N. J.
 Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y. (h)
 Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
 Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill.
 Progressive Welder Co., 3050 E. Outer Dr., Detroit, Mich.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Sola Electric Co., 4633 W. 16th St., Chicago 50, Ill. (h)
 Standard Electrical Products Co., Dayton 3, Ohio (h)
SUPERIOR ELECTRIC CO., THE, 83 Laurel St., Bristol, Conn. SEE ADV. PGS. 142, 143.
 Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill. (h)
 Transformer Products Inc., 143 W. 51st St., New York, N. Y.
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover. (h)
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67. (h)

TRANSFORMERS—Welding

ACME ELECTRIC CORPORATION, Cuba, N. Y. SEE ADV. PG. 231. (h)
AMERICAN TRANSFORMER CO., 178 Emmett St., Newark, N. J. SEE ADV. PG. 116. (h)
 Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa. (h)
AMERICAN TRANSFORMER CO., 178 Emmett St., Newark, N. J. SEE ADV. PG. 116. (h)
 Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind. (h)

EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
Electran Mfg. Co., 4596 Elston Ave., Chicago 30, Ill. (h)
Electricoil Transformer Co., 421 Canal St., New York 13, N. Y.
Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200. (h)
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135. (h)
FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio (h)
Gardner Electric Mfg. Co., 4227 Hollis St., Emeryville 8, Calif.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
Inductive Equipment Co., Gettysburg, Pa.
Meico Products, Inc., 22 E. Hennepin Ave., Minneapolis 1, Minn. (h)
Mellaphone Corp., Rochester 2, N. Y.
Miller, B. F., P. O. Box 568, Trenton 4, N. J.
Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y. (h)
Nothelfer Winding Labs., 9 Albemarle Ave., Trenton 3, N. J.
Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
Progressive Welder Co., 3050 E. Outer Dr., Detroit, Mich.
Sciaky Bros., 4915 W. 67th Street, Chicago 38, Ill.
Sola Electric Co., 4633 W. 16th St., Chicago 50, Ill.
Standard Electrical Products Co., Dayton 3, Ohio (h)
STANDARD TRANSFORMER CORP., Elston, Kedzie & Addison, Chicago 18, Illinois. SEE ADV. PG. 207. (h)
Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill. (h)
UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover. (h)

TRANSFORMERS—X-Ray

Chicago Electronic Engineering Co., 3223 W. Armitage Ave., Chicago 47, Ill. (h)
Electrical Windings, Inc., 2015 N. Kolmar Ave., Chicago 39, Ill. (h)
Electricoil Transformer Co., 421 Canal St., New York 13, N. Y.
Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.
ELECTRONIC TRANSFORMER CO., INC., 207 W. 25th St., New York, N. Y. SEE ADV. PG. 200. (h)
Foster Transformer Co., Inc., 3820 Colerain Ave., Cincinnati 23, Ohio
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18. (h)
General Electric X-Ray Corp., 4855 W. McGeoch Ave., Milwaukee, Wis. (h)
Miller, B. F., P. O. Box 568, Trenton, N. J.
North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
Nothelfer Winding Labs., 9 Albemarle Ave., Trenton 3, N. J.
Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
Picker X-Ray Corp., 300 Fourth Ave., New York 10, N. Y.
Sheboygan X-Ray Co., 1135 Indiana, Sheboygan, Wis.
Sola Electric Co., 4633 W. 16th St., Chicago 10, Ill.
Thordarson Electric Mfg. Div., Maguire Industries, Inc., 500 W. Huron St., Chicago 10, Ill. (h)
Triplett & Barton, Inc., 831 N. Lake St., Burbank, Calif.
UNITED TRANSFORMER CO., 150 Varick St., New York 7, N. Y. SEE ADV. PG. Inside Front Cover. (h)

TRANSISTORS

RAYTHEON MFG. CO., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass. SEE ADV. PG. 55.

TRANSMISSION LINES

See Cable or Guides, Wave

TRANSMITTERS—Aircraft

Air Associates Inc., Teterboro, N. J.
Aircraft Radio Corp., Boonton, N. J.
American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
Belmont Radio Co., Div. Raytheon Mfg. Co., 5921 W. Dickens Ave., Chicago 39, Ill.
Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
Collins Radio Co., Cedar Rapids, Iowa
Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
Electronic Specialty Co., 3456 Glendale Blvd., Los Angeles, Calif.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
Erco Radio Labs. Inc., East Stewart Ave., Garden City, N. Y.
Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
Lear, Inc., 110 Ionia Ave., N. W., Grand Rapids 2, Mich.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Radio Development & Research Co., 26 Cornellson Ave., Jersey City, N. J.
RADIO RECEPTOR CO., 251 W. 19th St., New York, N. Y. SEE ADV. PGS. 162, 163.
Radio Specialty Mfg. Co., 2023 S. E. 6th Ave., Portland 14, Oregon
Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England.
Telemark, Inc., 79 Prospect St., Stamford, Conn.
Wilcox Electric Co., 1400 Chestnut St., Kansas City, Mo.

TRANSmitters—Amateur
Audar, Inc., Argos, Indiana
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
Collins Radio Co., Cedar Rapids, Iowa
Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
Hallcrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
Harvey Wells Electronics Inc., North St., Southbridge, Mass.
Johnson Co., E. F., Waseca, Minn.
McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
Meissner Mfg Div., Maguire Industries, Inc., Mt. Carmel, Ill.
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
STANDARD TRANSFORMER CORP., Elston, Kedzie & Addison, Chicago 18, Illinois. SEE ADV. PG. 207.
Transmitter Equipment Mfg. Co., Inc., 345 Hudson St., New York 14, N. Y.
Weston Laboratories, Weston 93, Mass.

TRANSMITTERS—Broadcast

American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
Bunnell & Co., J. H., 215 Fulton St., New York, N. Y.
Collins Radio Co., Cedar Rapids, Iowa
Continental Electronics Mfg. Co., 1728 Wood St., Dallas 1, Texas
Electronic Engineering Co., 616 G St., San Diego 1, Calif.
Erco Radio Labs. Inc., East Stewart Ave., Garden City, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Gates Radio Co., Quincy, Ill.
Measurement Engineering Ltd., Arnprior, Ontario, Canada
Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Radio Development and Research Co., 26 Cornellson Ave., Jersey City, N. J.
Radio Engineering Labs. Inc., 35-54 36th St., Long Island City, N. Y.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
Smuckler & Co., Inc., 202 Tillary St., Brooklyn 1, N. Y.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TRANSMITTERS—Broadcast STL

Erco Radio Labs. Inc., East Stewart Ave., Garden City, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Gates Radio Co., Quincy, Ill.
Harvey Radio Labs., Inc., 447 Concord Ave., Cambridge, Mass.
Link Radio Corp., 125 W. 17th St., New York, N. Y.
Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Radio Engineering Labs. Inc., 35-54 36th St., Long Island City, N. Y.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.

TRANSMITTERS—Citizen's Radio

Gross Electronics, Inc., 1865-71 Prospect Ave., Cleveland 15, Ohio

TRANSMITTERS—Color Television

FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TRANSMITTERS—Direction Finding

Aeronautical Communications Equipment, Inc., 3090 Douglas Rd., Miami 33, Fla.
American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
Erco Radio Labs. Inc., East Stewart Ave., Garden City, N. Y.
Grady Instrument Co., 689 Belmont St., Belmont 78, Mass.
Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Radiomarine Corp. of America, 75 Varick St., New York 13, N. Y.

RADIO RECEPTOR CO., 251 W. 19th St., New York 11, N. Y. SEE ADV. PGS. 162, 163.
Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
Technical Materiel Corporation, The, 453 West 47th St., New York 19, N. Y.

TRANSMITTERS—f-m

American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
Collins Radio Co., Cedar Rapids, Iowa
Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
Erco Radio Labs. Inc., East Stewart Ave., Garden City, N. Y.
Farnsworth Television & Radio Corp., Ft. Wayne, Ind.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Gates Radio Co., Quincy, Ill.
Hallcrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
Harvey Radio Labs., Inc., 447 Concord Ave., Cambridge, Mass.
Harvey Wells Electronics Inc., North St., Southbridge, Mass.
Hoffman Radio Corp., 3716 S. Hill St., Los Angeles 7, Calif.
Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
Maryland Electronic Mfg. Corp., 5009 Calvert Road, College Park, Maryland
Measurement Engineering Ltd., Arnpprior, Ontario, Canada
Melpar, Inc., 452 Swann Ave., Alexandria, Va.
Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Radio Engineering Labs., Inc., 34-54 36th Street, Long Island City, N. Y.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
Schuttig & Co., Inc., 9th & Kearney Sts., N. E., Washington 17, D. C.
Sierra Electronic Corp., Belmont & San Carlos, Calif.
Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
SPERRY GYROSCOPE CO., Div. of Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
Technical Materiel Corporation, The, 453 West 47th St., New York 19, N. Y.
Telemark, Inc., 79 Prospect St., Stamford, Conn.
West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TRANSMITTERS—Facsimile

Acme Telectronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
Alden Products Co., 117 No. Main St., Brockton 64, Mass.
Alfax Paper & Engineering Co., 40 Riverside Ave., Brockton 27 E. B., Mass.
Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
Bunnell & Co., J. H., 215 Fulton St., New York, N. Y.
McElroy Mfg. Corp., Littleton, Mass.
Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
Radio Inventions, Inc., 155 Perry St., New York 14, N. Y.

Technical Materiel Corporation, The, 453 West 47th St., New York 19, N. Y.
Times Facsimile Corp., 229 W. 43rd St., New York, N. Y.
Western Union Telegraph Co., 60 Hudson St., New York 13, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TRANSMITTERS—Fixed Frequency

Aeronautical Communications Equipment, Inc., 3090 Douglas Rd., Miami 33, Fla.
Air Associates, Inc., Teterboro, N. J.
American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
Audar Inc., Argos, Indiana
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
Bassett Inc., Rex, 307-11 N.W. 1st Ave., Ft. Lauderdale, Fla.
Belmont Radio Co., Div., Raytheon Mfg. Co., 5921 W. Dickens Ave., Chicago 39, Ill.
Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
Collins Radio Co., Cedar Rapids, Ohio
Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
Doolittle Radio Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.
Electronic Engineering Co., 616 G St., San Diego 1, Calif.
Electronic Systems Co., 201 N. Wells St., Chicago 1, Ill.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
Erco Radio Labs. Inc., East Stewart Ave., Garden City, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Gates Radio Co., Quincy, Ill.
Hallcrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PGS. 182.
Maryland Electronic Mfg. Corp., 5009 Calvert Road, College Park, Maryland.
Melpar, Inc., 452 Swann Ave., Alexandria, Va.
Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
National Electronics Labs., Inc., 200 King St., Alexandria, Va.
Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RADIO RECEPTOR CO., 251 W. 19th Street, New York 11, N. Y. SEE ADV. PGS. 162, 163.
Radio Specialty Mfg. Co., 2023 S. E. Sixth Ave., Portland 14, Ore.
Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
Schuttig & Co., Inc., 9th & Kearney Sts., N.E., Washington 17, D. C.
Sierra Electronic Corp., Belmont & San Carlos, Calif.
Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
Technical Materiel Corporation, The, 453 West 47th St., New York 19, N. Y.
Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
Weston Laboratories, Weston 93, Mass.
Wilcox Electric Co., 1400 Chestnut St., Kansas City, Mo.

TRANSMITTERS—Fixed Station Communication

Aeroautical Communications Equipment, Inc., 3090 Douglas Rd., Miami 33, Fla.
Air Associates, Inc., Teterboro, N. J.
American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
Audar Inc., Argos, Indiana
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
Bassett Inc., Rex, 307-11 N. W., 1st Ave., Ft. Lauderdale, Fla.
Belmont Radio Co., Div. Raytheon Mfg. Co., 5921 W. Dickens Ave., Chicago 39, Ill.
Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
Collins Radio Co., Cedar Rapids, Iowa
Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
Doolittle Radio, Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.
Electronic Engineering Co., 616 G St., San Diego 1, Calif.
EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.
Erco Radio Labs. Inc., East Stewart Ave., Garden City, N. Y.
Espey Mfy. Co., Inc., 528 E. 72nd St., New York, N. Y.
Farnsworth Television & Radio Corp., Ft. Wayne, Ind.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Gates Radio Co., Quincy, Ill.
Hallcrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
Hannmarlund Mfg. Co., 460 W. 34th St., New York 1, N. Y.
Harvey Radio Labs., Inc., 447 Concord Ave., Cambridge, Mass.
Harvey Wells Electronics Inc., North St., Southbridge, Mass.
Hoffman Radio Corp., 3761 S. Hill St., Los Angeles 7, Calif.
Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
Johnson Co., E. F., Waseca, Minn.
Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
Link Radio Corp., 125 W. 17th St., New York, N. Y.
Maryland Electronic Mfg. Corp., 5009 Calvert Road, College Park, Maryland
McMurdo Silver Co., 1240 Main St., Hartford 3, Conn.
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
National Electronics Labs., Inc., 200 King St., Alexandria, Va.
NORTHERN RADIO CO., INC., 143-145 W. 22nd St., New York 11, N. Y. SEE ADV. PGS. 153-155.
Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Radio Development & Research Co., 26 Cornellson Ave., Jersey City, N. J.
RADIO RECEPTOR CO., 251 W. 19th St., New York, N. Y. SEE ADV. PGS. 162, 163.
Radio Specialty Mfg. Co., 2023 S. E. Sixth Ave., Portland 14, Ore.
Sierra Electronic Corp., Belmont & San Carlos, Calif.
Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
Technical Materiel Corporation, The, 453 West 47th St., New York 19, N. Y.

Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
 Weston Laboratories, Weston 93, Mass.
 Wilcox Electric Co., 1400 Chestnut St., Kansas City, Mo.

TRANSMITTERS—Loran

FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Harvey Radio Labs., Inc., 447 Concord Ave., Cambridge, Mass.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Selector Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 Sierra Electronic Corp., Belmont & San Carlos, Calif.
 Technical Materiel Corporation, The, 453 West 47th St., New York 19, N. Y.
 Television Equipment Corp., 238 William St., New York 7, N. Y.
 Televiso Products Inc., 7466 West Irving Park Road, Chicago 34, Ill.

TRANSMITTERS—Marine

American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
 Electronic Engineering Co., 616 G St., San Diego 1, Calif.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
 Erco Radio Labs. Inc., East Stewart Ave., Garden City, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Fisher Research Lab., Inc., 1961 University Ave., Palo Alto, Calif.
 Gates Radio Co., Quincy, Ill.
 Grady Instrument Co., 689 Belmont St., Belmont 78, Mass.
 Hallicrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
 Harvey Wells Electronics Inc., North St., Southbridge, Mass.
 Hose-McCann Telephone Co., Inc., 25th St. & 3rd Ave., Brooklyn 32, N. Y.
 Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
 Jefferson, Inc., Ray, 40 E. Merrick Road, Freeport, N. Y.
 Jefferson-Travis Inc., 76 Ninth Ave., New York 11, N. Y.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 Kalbfell Labs., Inc., 1076 Morena Blvd., San Diego 10, Calif.
 Maryland Electronic Mfg. Corp., 5009 Calvert Road, College Park, Maryland
 National-Simplex-Bludworth, Inc., Bludworth Marine Div., 92 Gold St., New York 7, N. Y.
 Northern Radio Co., 314 Bell St., Seattle 1, Wash.
 Radiomarine Corp. of America, 72 Varick St., New York 13, N. Y.
 Selector Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 Smith-Meeker Engineering Co., 125 Barclay St., New York 7, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Submarine Signal Div., Raytheon Mfg. Co., Waltham, Mass.

Technical Materiel Corporation, The, 453 West 47th St., New York 19, N. Y.
 Televiso Products Inc., 7466 West Irving Park Rd., Chicago, Ill.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TRANSMITTERS—Microwave

Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada.
 DeMornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.
 Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
 Federal Telecommunication Labs., Inc., 500 Washington Ave., Nutley 10, N. J.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
 Microwave Equipment Co., North Caldwell, N. J.
 Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Cover.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
SPERRY GYROSCOPE CO., Div. of Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Technical Materiel Corporation, The, 453 West 47th St., New York 19, N. Y.
 Televiso Products Inc., 7466 West Irving Park Rd., Chicago 34, Ill.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
 Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.
 Wheeler Laboratories, Inc., 259-09 Northern Blvd., Great Neck, New York.

TRANSMITTERS—Portable and Mobile Radiotelephone

American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 Audar Inc., Argos, Indiana
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Belmont Radio Co., Div. Raytheon Mfg. Co., 5921 Dickens Ave., Chicago 39, Ill.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
 Communications Co. Inc., 300 Greco Ave., Coral Gables 34, Fla.
 Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
 Doolittle Radio, Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
 Erco Radio Labs., Inc., East Stewart Ave., Garden City, N. Y.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
 Farnsworth Television and Radio Corp., Ft. Wayne, Ind.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Grady Instrument Co., 689 Belmont St., Belmont 78, Mass.

Hallicrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
 Harvey Radio Labs., Inc., 447 Concord Ave., Cambridge, Mass.
 Harvey Wells Electronics Inc., North St., Southbridge, Mass.
 Hose-McCann Telephone Co., Inc., 25th St. & 3rd Ave., Brooklyn 32, N. Y.
 Intervox Corp., 2701 California Ave., Seattle, Wash.
 Jefferson, Inc., Ray, 40 E. Merrick Rd., Freeport, N. Y.
 Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
 Link Radio Corp., 125 W. 17th St., New York, N. Y.
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada.
 Meck Industries, John, Liberty at Pa., Plymouth, Ind.
 Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
 National Electronics Labs., Inc., 200 King St., Alexandria, Va.
 National-Simplex-Bludworth, Inc., Bludworth Marine Div., 92 Gold St., New York 7, N. Y.
 Northern Radio Co., 314 Bell St., Seattle 1, Wash.
 Philco Corp., Tioga & C Sts., Philadelphia 34, Pa.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Development and Research Co., 26 Cornellson Ave., Jersey City, N. J.
 Radiomarine Corp. of America, 75 Varick St., New York 13, N. Y.
 Radio Specialty Mfg. Co., 2023 S. E. Sixth Ave., Portland 14, Ore.
 Radio Transceiver Labs., 116-23 Jamaica Ave., Richmond Hill 18, N. Y.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Technical Materiel Corporation, The, 453 West 47th St., New York 19, N. Y.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 19, N. Y.
 West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TRANSMITTERS—Pulse Time Modulation

Communication Measurements Lab., Inc., 120 Greenwich St., New York, N. Y.
 Federal Telecommunication Labs., Inc., 500 Washington Ave., Nutley 10, N. J.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

TRANSMITTERS—Radar

Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 DeMornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.
 Espey Mfg. Co., Inc., 528 E. 72nd St., New York, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Hallicrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
 Microwave Equipment Co., North Caldwell, N. J.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Radionarine Corp. of America, 75 Varick St., New York 13, N. Y.
Reeves Instrument Corp., 215 E. 91st St., New York, N. Y.
Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.
Submarine Signal Div., Raytheon Mfg. Co., Waltham, Mass.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
Telemark, Inc., 79 Prospect St., Stamford, Conn.
Televisto Products Inc., 7466 W. Irving Pk. Rd., Chicago 34, Ill.
Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TRANSMITTERS—Radio Range

Air Associates, Inc., Teterboro, N. J.
American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
Erco Radio Labs., Inc., East Stewart Ave., Garden City, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
LAVOIE LABORATORIES, Morganville, N. J. SEE ADV. PG. 182.
Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RADIO RECEPTOR CO., 251 W. 19th St., New York, N. Y. SEE ADV. PGS. 162, 163.
Smuckler & Co., Inc., A. F. 202 Tillary St., Brooklyn 1, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TRANSMITTERS—Railroad

Communications Co. Inc., 300 Greco Ave., Coral Gables 34, Fla.
Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
Farnsworth Television & Radio Corp., Ft. Wayne, Ind.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
SPERRY GYROSCOPE CO., Div. of Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TRANSMITTERS—Television

DuMont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J.
Federal Telecommunication Labs., Inc., 500 Washington Ave., Nutley 10, N. J.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Philco Corp., Tioga & C Sts., Phila. 34, Pa.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Rowe Engineering Corp., 2422 N. Pulaski Road, Chicago 39, Ill.
Television Equipment Corp., 238 William St., New York 7, N. Y.
Television Projects, Inc., 3660 Coral Way, Miami 35, Fla.

TRANSMITTERS—uhf

Air Associates, Inc., Teterboro, N. J.
American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
Decimeter, Inc., 1430 Market St., Denver 2, Colo.
Dine & Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
Doolittle Radio, Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.
Electronic Engineering Co., 616 G St., San Diego 1, Calif.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
Gross Electronics, Inc., 1865-71 Prospect Ave., Cleveland 15, Ohio
Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
Link Radio Corp., 125 W. 17th St., New York, N. Y.
Maryland Electronics Mfg. Corp., 5009 Calvert Road, College Park, Maryland
McMurdo Silver Co., 1240 Main St., Hartford 3, Conn.
Measurement Engineering Ltd., Arnprior, Ontario, Canada
Melpar, Inc., 452 Swann Ave., Alexandria, Va.
Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Radio Specialty Mfg. Co., 2023 S. E. 6th Ave., Portland 14, Ore.
Rowe Engineering Corp., 2422 N. Pulaski Road, Chicago 39, Ill.
Smuckler & Co., Inc., A. F. 202 Tillary St., Brooklyn 1, N. Y.
Telemark, Inc., 79 Prospect St., Stamford, Conn.
Television Equipment Corp., 238 William St., New York 7, N. Y.
Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mas.

TRANSMITTERS—vhf

Aeronautical Communications Equipment, Inc., 3090 Douglas Rd., Miami 33, Fla.
Air Associates, Inc., Teterboro, N. J.
Aircraft Radio Corp., Boonton, N. J.
American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
Bassett Inc., Rex, 307-11 N. W. 1st Ave., Fort Lauderdale, Fla.
Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
Collins Radio Co., Cedar Rapids, Iowa
Communications Co., 300 Greco Ave., Coral Gables 34, Fla.
Dine & Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.
Doolittle Radio, Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.
Electronic Engineering Co., 616 G St., San Diego 1, Calif.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
Erco Radio Labs., Inc., East Stewart Ave., Garden City, N. Y.
Farnsworth Television & Radio Corp., Fort Wayne, Ind.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
Gross Electronics, Inc., 1865-71 Prospect Ave., Cleveland 15, Ohio
Hallcrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
Harvey Wells Electronics Inc., North St., Southbridge, Mass.
Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
Kaar Engineering Co., 2815 Middlefield Rd., Palo Alto, Calif.
Link Radio Corp., 125 W. 17th St., New York, N. Y.
Maryland Electronic Mfg. Corp., 5009 Calvert Road, College Park, Maryland
McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
Melpar, Inc., 452 Swann Ave., Alexandria, Va.
Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
National Electronics Labs., Inc., 200 King St., Alexandria, Va.
Philco Corp., Tioga & C Sts., Phila. 34, Pa.
Pioneer Electric & Research Corp., The, 7212 Circle Ave., Forest Park, Ill.
Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RADIO RECEPTOR CO., 251 W. 19th St., New York, N. Y. SEE ADV. PGS. 162, 163.
Radio Specialty Mfg. Co., 2023 S. E. 6th Ave., Portland 14, Ore.
Radio Transceiver Labs., 116-23 Jamaica Ave., Richmond Hill 18, N. Y.
Schuttig & Co., Inc., 9th & Kearney Sts., N. E., Washington 17, D. C.
Smuckler & Co., Inc., A. F. 202 Tillary St., Brooklyn 1, N. Y.
SPERRY GYROSCOPE CO., Div. of Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
Telemark, Inc., 79 Prospect St., Stamford, Conn.
Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
Wilcox Electric Co., 1400 Chestnut St., Kansas City, Missouri

TRAPS—Wave

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
BUD RADIO, INC., 2118 E. 55th St., Cleveland 3, Ohio. SEE ADV. PG. 19.
Essex Electronics, Berkeley Heights, N. J.
HILLBURN ELECTRONIC PRODUCTS CO., 55 Nassau Ave., Brooklyn 22, N. Y. SEE ADV. PG. 112.
Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
Network Manufacturing Corp., Bayonne, N. J.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
Stanwyck Winding Company, 102-104 S. Lander St., Newburgh, N. Y.

TRIMMER—Capacitors

See Capacitors

TUBE PARTS

Anodes, Carbon

Helwig Co., 2544 N. 30th St., Milwaukee 10, Wis.
NATIONAL CARBON CO., INC., Unit of Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y. SEE ADV. PG. 57.

Ohio Carbon Co., 12508 Berea Rd., Cleveland 11, Ohio
Stackpole Carbon Co., St. Marys, Pa.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
Volkert Metal Stampings, Inc., John, 141 Spencer St., Brooklyn 5, N. Y.

Anodes, Gold

AMERICAN PLATINUM WORKS, N. J. R. R. Ave. at Oliver St., Newark 5, N. J. SEE ADV. PG. 192.
Baker Co., Inc., 113 Astor St., Newark 5, N. J.
HANDY & HARMAN, 82 Fulton St., New York 7, N. Y. SEE ADV. PG. 204.
MAKEPEACE CO., D. E., Attleboro, Mass. SEE ADV. PG. 84.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
Volkert Metal Stampings, Inc., John, 141 Spencer St., Brooklyn 5, N. Y.
Wildberg Bros. Smelting & Refining Co., 742 Market St., San Francisco 2, Calif.

Anodes, Graphite

Helwig Co., 2544 N. 30th St., Milwaukee 10, Wis.
NATIONAL CARBON CO., INC., Unit of Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y. SEE ADV. PG. 57.
Speer Carbon Co., Lincoln Ave., St. Marys, Pa.
Stackpole Carbon Co., St. Marys, Pa.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

Anodes, Metal

Aluminum Co. of America, Gulf Bldg., Pittsburgh, Pa.
AMERICAN PLATINUM WORKS, N. J. R. R. Ave. at Oliver St., Newark 5, N. J. SEE ADV. PG. 192.
ART WIRE & STAMPING CO., 227 High St., Newark 2, N. J. SEE ADV. PG. 232.
Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.
Eitel-McCullough, Inc., San Bruno, Calif.
FANSTEEL METALLURGICAL CORP., 2200 Sheridan Road, North Chicago, Ill. SEE ADV. PG. 29.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
STAVIER CO., INC., 91 Pearl St., Brooklyn 1, N. Y. SEE ADV. PG. 188.
SUPERIOR TUBE CO., 2504 Germantown Pike, Norristown, Pa. SEE ADV. PGS. 100, 101.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
Volkert Metal Stampings, Inc., John, 141 Spencer St., Brooklyn 5, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
Wildberg Bros. Smelting & Refining Co., 742 Market St., San Francisco 2, Calif.

Anodes, Metallized Graphite

Helwig Co., 2544 N. 30th St., Milwaukee 10, Wis.
Speer Carbon Co., Lincoln Ave., St. Marys, Pa.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

Anodes, Silver

AMERICAN PLATINUM WORKS, N. J., R. R. Ave. at Oliver St., Newark, N. J. SEE ADV. PG. 192.
Baker Co., Inc., 113 Astor St., Newark 5, N. J.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
HANDY & HARMAN, 82 Fulton St., New York 7, N. Y. SEE ADV. PG. 204.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.

MAKEPEACE CO., D. E., Attleboro, Mass. SEE ADV. PG. 84.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
Wildberg Bros. Smelting & Refining Co., 742 Market St., San Francisco 2, Calif.

Base Pins

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
ART WIRE AND STAMPING CO., 22 High Street, Newark 2, N. J. SEE ADV. PG. 232.
Bead Chain Mfg. Co., 110 Mountain Grove St., Bridgeport 5, Conn.
Cleveland Tungsten, Inc., 10200 Meech Ave., Cleveland, Ohio
Greene Mfg. Corp., G. G., Warren, Pa.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
Instrument Parts Corp., P. O. Box 150, Ossining, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Bases

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
Crowley & Co. Inc., Henry L., 1 Central Ave., West Orange, N. J.
ENGINEERING CO., 27 Wright St., Newark, N. J. SEE ADV. PG. 228.
General Ceramics & Steatite Corp., Keasbey, N. J.
GENERAL ELECTRIC CO., Chemicals Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
Greene Mfg. Corp., G. G., Warren, Pa.
Owens-Illinois Glass Co., Toledo, Ohio
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
Rice's Sons, Inc., Bernard, 325 Fifth Ave., New York 16, N. Y.
Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
Steward Mfg. Co., D. M., Chattanooga, Tenn.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Bulbs & Envelopes

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
Corning Glass Works, Corning, N. Y.
Crozier Scientific Glass Co., 17 Madison Ave., Lansdowne, Pa.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
Polan Industries, 220 Eighth St., Huntington, W. Va.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
Zenith Optical Co., Div. of Polan Industries, Huntington 19, W. Va.

Caps

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
ENGINEERING CO., 27 Wright St., Newark, N. J. SEE ADV. PG. 228.
Goat Co., Inc., Fred, 314 Dean St., Brooklyn, New York
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
Owens-Illinois Glass Co., Toledo, Ohio

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
STAVIER CO., INC., 91 Pearl St., Brooklyn 1, N. Y. SEE ADV. PG. 188.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
Volkert Metal Stampings, Inc., John, 141 Spencer St., Brooklyn 5, N. Y.

Cathode Ray Tube Powders

Callite Tungsten Corp., 540 39th St., Union City, N. J.
du Pont de Nemours & Co., E. I., Patterson Screen Div., Towanda, Pa.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
U. S. Radium Corp., 535 Pearl St., New York 7, N. Y.

Cathode Ray Tube Side Contacts

CINCH MFG. CORP., 2335 W. Van Buren St., Chicago 12, Ill. SEE ADV. PG. 190.
Kremetz & Co., 49 Chestnut St., Newark 5, N. J.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
Volkert Metal Stampings, Inc., John, 141 Spencer St., Brooklyn 5, N. Y.

Cathode Sleeves and Tubes

Crowley & Co. Inc., Henry L., 1 Central Ave., West Orange, N. J.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
SUPERIOR TUBE CO., 2504 Germantown Pike, Norristown, Pa. SEE ADV. PGS. 100, 101.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

Conductive Paints

See Paints, Conductive

Filament Wire

Alloy Metal Wire Co., Prospect Pk. (Moore Sta.), Pa.
ART WIRE & STAMPING CO., 227 High St., Newark 2, N. J. SEE ADV. PG. 232.
Baker Co., Inc., 113 Astor St., Newark 5, N. J.
Callite Tungsten Corp., 540 39th St., Union City, N. J.
Cohn Corp., Sigmund, 44 Gold St., New York, N. Y.
Driver Co., Wilbur B., 150 Riverside Ave., Newark, N. J.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
GENERAL ELECTRIC CO., Nela Park, Cleveland 12, Ohio. SEE ADV. PGS. 51-8.
North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
Wildberg Bros. Smelting & Refining Co., 742 Market St., San Francisco 2, Calif.

Getters

Acheson Colloids Corp., Port Huron, Mich.
Callite Tungsten Corp., 540 39th St., Union City, N. J.

EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., North Chicago, Ill. SEE ADV. PG. 29.
 King Laboratories Inc., 127 Solar St., Syracuse 4, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Cover.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

Grids and Supports

Eitel-McCullough, Inc., San Bruno, Calif.
 Goat Co., Inc., Fred, 314 Dean St., Brooklyn, N. Y.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
NATIONAL CARBON CO., INC., Unit of Union Carbide & Carbon Corp., 30 E. 42nd Street, New York 17, N. Y. SEE ADV. PG. 57.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Grid Wire

Alloy Metal Wire Co., Prospect Pk. (Moore Sta.), Pa.
 Alpha Wire Corp., 50 Howard St., New York 13, N. Y.
 Callite Tungsten Corp., 540 39th St., Union City, N. J.
 Cleveland Tungsten, Inc., 10200 Meech Ave., Cleveland, Ohio
 Cohn Corp., Sigmund, 44 Gold St., New York, N. Y.
 Driver Co., Wilbur B., 150 Riverside Ave., Newark, N. J.
DRIVER-HARRIS CO., 201 Middlesex St., Harrison, N. J. SEE ADV. PG. 43.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
 Eitel-McCullough Inc., San Bruno, Calif.
FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., North Chicago, Ill. SEE ADV. PG. 29.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Heat Radiators

Eastern Industries Co., 296 Elm St., New Haven, Conn.
 Eitel-McCullough, Inc., San Bruno, Calif.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Rice's Sons, Inc., Bernard, 325 Fifth Ave., New York 16, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Metal Supports

ART WIRE AND STAMPING CO., 227 High St., Newark 2, N. J. SEE ADV. PG. 232.
 Cleveland Tungsten, Inc., 10200 Meech Ave., Cleveland, Ohio
FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., North Chicago, Ill. SEE ADV. PG. 29.
 Goat Co., Inc., Fred, 314 Dean St., Brooklyn, N. Y.

Fryling Mfg. Co., 639 W. 12th St., Erie, Pa.
 Goat Co., Inc., Fred, 314 Dean St., Brooklyn, N. Y.
 Greene Mfg. Corp., G. G., Warren, Pa.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
STAVAR CO., INC., 91 Pearl St., Brooklyn 1, N. Y. SEE ADV. PG. 188.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Mica Supports

Asheville Mica Co., 900 Jefferson Ave., Newport News, Va.
 Ford Radio & Mica Corp., 536 63rd St., Brooklyn, New York
 Fryling Mfg. Co., 639 W. 12th St., Erie, Pa.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Mica Fabricating Co., 53 Central Ave., Rochelle Park, N. J.
 Mica Insulator Co., Schenectady 1, N. Y.
 Micacraft Products Inc., 701 McCarter Highway, Newark 5, N. J.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

Tube Seal Leads

Bead Chain Mfg. Co., 110 Mountain Grove St., Bridgeport 5, Conn.
 Callite Tungsten Corp., 540 39th St., Union City, N. J.
 Cleveland Tungsten, Inc., 10200 Meech Ave., Cleveland 5, Ohio
ENGINEERING CO., 27 Wright St., Newark, N. J. SEE ADV. PG. 228.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Hermaseal Co., Inc., Riverside Dr., Elkhart, Ind.
HERMETIC SEAL PRODUCTS CO., 29-37 South 6th St., Newark, N. J. SEE ADV. PG. 223.
NATIONAL ELECTRONICS, INC., Geneva, Illinois. SEE ADV. PG. 102.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

Water Jackets

Ecco High Frequency Corp., 7020 Hudson Blvd., North Bergen, N. J.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
MACHLETT LABORATORIES, Springfield, Conn. SEE ADV. PG. 147.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Rotron Division, 7-9 Schoonmaker Lane, Woodstock, N. Y.

Wire Parts

ART WIRE AND STAMPING CO., 227 High St., Newark 2, N. J. SEE ADV. PG. 232.
 Bead Chain Mfg. Co., 110 Mountain Grove St., Bridgeport 5, Conn.
 Cleveland Tungsten, Inc., 10200 Meech Ave., Cleveland, Ohio
 Cohn Corp., Sigmund, 44 Gold St., New York, N. Y.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., North Chicago, Ill. SEE ADV. PG. 29.
 Goat Co., Inc., Fred, 314 Dean St., Brooklyn, N. Y.

HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
STAVAR CO., INC., 91 Pearl St., Brooklyn 1, N. Y. SEE ADV. PG. 188.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TUBES—Ballast

AMPERITE CO., 561 Broadway, New York 12, N. Y. SEE ADV. PG. 90.
 Arcturus Radio & Television Corp., 54 Clark St., Newark, N. J.
 Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.
 Electronic Enterprises, Inc., 65 7th Ave., Newark 4, N. J.
 Emerson Radio & Phonograph Corp., 111 8th Ave., New York, N. Y.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hytron Radio & Electronics Corp., 76 Lafayette St., Salem, Mass.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Kip Electronics Corp., 155 Waverly Place, New York 14, N. Y.
 National Union Radio Corp., 350 Scotland Rd., Orange, N. J.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

TUBES—Battery Charger

Arcturus Radio & Television Corp., 54 Clark St., Newark, N. J.
 Baldor Electric Co., 4353 Duncan Ave., St. Louis, Mo.
CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
CONTINENTAL ELECTRIC CO., Geneva, Ill. SEE ADV. PG. 176.
 Electric Heat Control Co., The, 9123 Inman Ave., Cleveland 5, Ohio
 Electronic Enterprises, Inc., 65 7th Ave., Newark 4, N. J.
ELECTRONS, INC., 127 Sussex Ave., Newark 4, N. J. SEE ADV. PG. 141.
 Mellaphone Corp., Rochester 2, N. Y.
NATIONAL ELECTRONICS, INC., Geneva, Ill. SEE ADV. PG. 102.
RADIO CORP. OF AMERICA, RCA VICTOR DIV., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TUBES—Bolometer

BALLANTINE LABS., INC., Boonton, N. J. SEE ADV. PG. 134.
 National Union Radio Corp., 350 Scotland Rd., Orange, N. J.
SPERRY GYROSCOPE CO., Div. of Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

TUBES—Cathode Ray

Amperex Electronic Corp., 25 Washington St., Brooklyn 1, N. Y.
 Arcturus Radio & Television Corp., 54 Clark St., Newark, N. J.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 DuMont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J.
 Electronic Tube Corp., 1200 E. Mermaid Ave., Phila. 18, Pa.

FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.

General Electronics, Inc., 101 Hazel St., Paterson, N. J.

Hytron Radio & Electronics Corp., 76 Lafayette St., Salem, Mass.

Kip Electronics Corp., 155 Waverly Place, New York 14, N. Y.

Major Television Corp., 19 W. 44th St., New York, N. Y.

National Union Radio Corp., 350 Scotland Rd., Orange, N. J.

North American Philips Co., 100 East 42nd St., New York 17, N. Y.

Oxford Radio Corp., 3911 S. Michigan Ave., Chicago 15, Ill.

Philco Corp., Tioga & C Sts., Phila. 34, Pa.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Rauland Corp., 4245 N. Knox Ave., Chicago 41, Ill.

RAYTHEON MFG. CO., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass. SEE ADV. PG. 55.

Standard Arcturus Corp., 54 Clark St., Newark, N. J.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

Taylor Tubes, Inc., 2312 Wabansia Ave., Chicago 47, Ill.

Tel-O-Tube Corp. of America, Paterson, N. J.

THOMAS ELECTRONICS, INC., 118 9th St., Passaic, N. J. SEE ADV. PG. 156.

TRANSVISION, INC., 460 North Ave., New Rochelle, N. Y. SEE ADV. PG. 172.

TUNG-SOL LAMP WORKS, INC., 95 Eighth Ave., Newark 4, N. J. SEE ADV. PG. 75.

U. S. Television Mfg. Corp., 3 W. 61st St., New York 23, N. Y.

Vacuum Tube Products, 203 North Clementine St., Oceanside, Calif.

Videodyne, Inc., 33 Jefferson St., Stamford, Conn.

WATERMAN PRODUCTS CO., INC., 2445-63 Emerald Street, Philadelphia 25, Pa. SEE ADV. PG. 146.

Zetka Television Tubes, Inc., 131-37 Getty Ave., Clifton, N. J.

TUBES—Detector

Arcturus Radio & Television Corp., 54 Clark St., Newark, N. J.

Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.

Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

TUBES—Electrometer

Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.

RAYTHEON MFG. CO., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass. SEE ADV. PG. 55.

SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

VICTOREEN INSTRUMENT CO., 5806 Hough Ave., Cleveland 3, Ohio. SEE ADV. PG. 227.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TUBES—Geiger

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.

Amperex Electronic Corp., 25 Washington St., Brooklyn, N. Y.

Anton Electronic Laboratories, Inc., 1226-1238 Flushing Ave., Brooklyn 6, N. Y.

ATOMIC INSTRUMENTS CO., 160 Charles St., Boston, Mass. SEE ADV. PG. 200.

BALLANTINE LABS., INC., Boonton, N. J. SEE ADV. PG. 134.

Bomac Laboratories, Beverly, Mass.

Cyclotron Specialties Co., Moraga 8, Calif.

Distillation Products, Inc., Vacuum Equipmt. Div., 755 Ridge Road West, Rochester 13, N. Y.

Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.

Electronic Products Co., 111 E. 3rd St., Mt. Vernon, N. Y.

EL-TRONICS, INC., 2647 No. Howard St., Philadelphia 33, Pa. SEE ADV. PG. 189.

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.

GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.

Geophysical Instrument Co., 1820 N. Nash St., Arlington, Va.

National Technical Lab., 820 Mission St., South Pasadena, Calif.

North American Philips Co. Inc., 100 E. 42nd St., New York 17, N. Y.

Nuclear Development Lab., Box 7601, Kansas City, Mo.

Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.

Omaha Scientific Supply Co., 3623 Lake St., Omaha 4, Neb.

Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill.

Radiation Counter Labs., Inc., 1844 W. 21st St., Chicago 8, Ill.

Radioactive Products Inc., 3201 E. Woodbridge St., Detroit 7, Mich.

RAYTHEON MFG. CO., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass. SEE ADV. PG. 55.

Sheboygan X-Ray Co., 1135 Indiana, Sheboygan, Wis.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

Technical Associates, 3730 San Fernando Rd., Glendale 4, Calif.

Tracerlab Inc., 55 Oliver St., Boston 10, Mass.

VICTOREEN INSTRUMENT CO., 5806 Hough Ave., Cleveland 3, Ohio. SEE ADV. PG. 227.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TUBES—Germicidal

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.

SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

Ultra-Violet Products, Inc., 5205 Santa Monica Blvd., Los Angeles 27, Calif.

TUBES—Hearing Aid

Aurex Corp., 1117 N. Franklin St., Chicago, Ill.

Globe Phone Mfg. Co., 2 Linden St., Reading, Mass.

RAYTHEON MFG. CO., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass. SEE ADV. PG. 55.

Sonotone Corp., P. O. Box 200, Saw Mill River Rd., Elmsford, N. Y.

Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.

SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

TUBES—Industrial

Amperex Electronic Corp., 25 Washington St., Brooklyn 1, N. Y.

Arcturus Radio & Television Corp., 54 Clark St., Newark, N. J.

CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.

CONTINENTAL ELECTRIC CO., Geneva, Ill. SEE ADV. PG. 176.

Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada

Eitel-McCullough, Inc., San Bruno, Calif.

Electronic Enterprises Inc., 65 7th Ave., Newark 4, N. J.

Electronic Products Co., 111 E. 3rd St., Mt. Vernon, N. Y.

ELECTRONS, INC., 127 Sussex Ave., Newark 4, N. J. SEE ADV. PG. 141.

FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.

Hytron Radio & Electronics Corp., 76 Lafayette St., Salem, Mass.

Kuthe Laboratories, 150 Summit St., Newark 4, N. J.

MACHLETT LABORATORIES, Springdale, Conn. SEE ADV. PG. 147.

Mellaphone Corp., Rochester 2, N. Y.

NATIONAL ELECTRONICS, INC., Geneva, Ill. SEE ADV. PG. 102.

National Union Radio Corp., 350 Scotland Rd., Orange, N. J.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.

RAYTHEON MFG. CO., Power Tube Div., Waltham 54, Mass. SEE ADV. PG. 55.

RAYTHEON MFG. CO., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass. SEE ADV. PG. 55.

Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. A. 2, England

SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

Taylor Tubes, Inc., 2312 Wabansia Ave., Chicago 47, Ill.

TUNG-SOL LAMP WORKS INC., 95 Eighth Ave., Newark 4, N. J. SEE ADV. PG. 75.

United Electronics Co., 42 Spring St., Newark 2, N. J.

VICTOREEN INSTRUMENT CO., 5806 Hough Ave., Cleveland 3, Ohio. SEE ADV. PG. 227.

Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TUBES—Klystron

Amperex Electronic Corp., 25 Washington St., Brooklyn 1, N. Y.

Arcturus Radio & Television Corp., 54 Clark St., Newark, N. J.

FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.

RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.

RAYTHEON MFG. CO., Power Tube Div., Waltham 54, Mass. SEE ADV. PG. 55.

SPERRY GYROSCOPE CO., Div. of Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.

Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England

SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

Varian Associates, 99 Washington St., San Carlos, Calif.

TUBES—Magnetron

Amperex Electronic Corp., 25 Washington St., Brooklyn 1, N. Y.

Anton Electronic Laboratories, Inc., 1226-1238 Flushing Ave., Brooklyn 6, N. Y.

Arcturus Radio & Television Corp., 54 Clark St., Newark, N. Y.

Bomac Laboratories, Beverly, Mass.

FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 Litton Industries, San Carlos, Calif.
MACHLETT LABORATORIES, Springdale, Conn. SEE ADV. PG. 147.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
RAYTHEON MFG. CO., Power Tube Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

TUBES—Mass Spectrometer

Vacuum Electronic Engineering Co., 316 37th St., Brooklyn 2, N. Y.

TUBES—Microwave Receiving or Transmitting

Amperex Electronics Corp., 25 Washington St., Brooklyn 1, N. Y.
 Bomac Laboratories, Beverly, Mass.
CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
 Eitel-McCullough, Inc., San Bruno, Calif.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Kuthe Laboratories, Inc., 150 Summit St., Newark 4, N. J.
MACHLETT LABORATORIES, Springdale, Conn. SEE ADV. PG. 147.
 National Union Radio Corp., 350 Scotland Rd., Orange, N. J.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
RAYTHEON MFG. CO., Power Tube Div., Waltham 54, Mass. SEE ADV. PG. 55.
SPERRY GROSSCOPE CO., Div. of Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TUBES—Phototubes and Photocells

American Scientific Co., P. O. Box 1, Highbridge Station, New York 52, N. Y.
 Anton Electronic Laboratories, Inc., 1226-1238 Flushing Ave., Brooklyn 6, N. Y.
 Arcturus Radio & Television Corp., 54 Clark St., Newark, N. J.
BRADLEY LABS., 82 Meadows St., New Haven, Conn. SEE ADV. PG. 171.
CONTINENTAL ELECTRIC CO., Geneva, Ill. SEE ADV. PG. 176.
 DeJur-Amsco Corp., Northern Blvd. at 45th St., L. I. City 1, N. Y.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 National Technical Lab., 820 Mission St., South Pasadena, Calif.
 National Union Radio Corp., 350 Scotland Rd., Orange, N. J.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Rauland Corp., 4245 N. Knox Ave., Chicago 41, Ill.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
VICKERS ELECTRIC DIV., Vickers, Inc., 1815 Locust St., St. Louis 3, Mo. SEE ADV. PG. 194.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TUBES—Pirani

Distillation Products, Inc., Vacuum Equipment Div., 755 Ridge Rd. W., Rochester, N. Y.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
 Fredericks Co., Geo. E., Bethayres, Pa.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TUBES—Quartz (for Short Wave Medical Apparatus)

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 Dallons Labs., 5066 Santa Monica Blvd., Los Angeles, Calif.
 Ultra-Violet Products, Inc., 5205 Santa Monica Blvd., Los Angeles 27, Calif.

TUBES—Receiving

Arcturus Radio & Television Corp., 54 Clark St., Newark, N. J.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Emerson Radio & Phonograph Corp., 111 8th Ave., New York, N. Y.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 General Electronics, Inc., 101 Hazel St., Paterson, N. J.
 Hytron Radio & Electronics Corp., 76 Lafayette St., Salem, Mass.
 National Union Radio Corp., 350 Scotland Rd., Orange, N. J.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
RAYTHEON MFG. CO., Power Tube Div., Waltham 54, Mass. SEE ADV. PG. 55.
RAYTHEON MFG. CO., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass. SEE ADV. PG. 55.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Technical Materiel Corporation, The, 453 West 47th St., New York 19, N. Y.
TUNG-SOL LAMP WORKS INC., 95 Eighth Ave., Newark 4, N. J. SEE ADV. PG. 75.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TUBES—Rectifying

Aerolux Light Co., 653 11th Ave., New York 19, N. Y.
 Amperex Electronic Corp., 25 Washington St., Brooklyn, N. Y.
 Arcturus Radio & Television Corp., 54 Clark St., Newark, N. J.
CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
CONTINENTAL ELECTRIC CO., Geneva, Ill. SEE ADV. PG. 176.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Eitel-McCullough, Inc., San Bruno, Calif.
 Electronic Enterprises Inc., 65 7th Ave., Newark 4, N. J.
 Electronic Products Co., 111 E. Third St., Mt. Vernon, N. Y.
ELECTRONS INC., 127 Sussex Ave., Newark 4, N. J. SEE ADV. PG. 141.
 Emerson Radio & Phonograph Corp., 111 8th Ave. New York, N. Y.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clinton, N. J. SEE ADV. PGS. 129, 131, 133, 135.

GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 General Electronics, Inc., 101 Hazel St., Paterson, N. J.
 Heintz & Kaufman, Ltd., South San Francisco, Calif.
 Hytron Radio & Electronics Corp., 76 Lafayette St., Salem, Mass.
 Kuthe Laboratories, Inc., 150 Summit St., Newark 4, N. J.
MACHLETT LABORATORIES, Springdale, Conn. SEE ADV. PG. 147.
 Mellaphone Corp., Rochester 2, N. Y.
NATIONAL ELECTRONICS, INC., Geneva, Ill. SEE ADV. PG. 102.
 National Union Radio Corp., 350 Scotland Rd., Orange N. J.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
RAYTHEON MFG. CO., Power Tube Div., Waltham 54, Mass. SEE ADV. PG. 55.
RAYTHEON MFG. CO., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass. SEE ADV. PG. 55.
 Sheyboyan X-Ray Co., 1135 Indiana, Sheyboyan, Wis.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Taylor Tubes, Inc., 2312 Wabansia Ave., Chicago 47, Ill.
TUNG-SOL LAMP WORKS INC., 95 Eighth Ave., Newark 4, N. J. SEE ADV. PG. 75.
 United Electronics Co., 42 Spring St., Newark 2, N. J.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TUBES—Sonic Gas-Filled

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
BALLANTINE LABS., INC., Boonton, N. J. SEE ADV. PG. 134.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.

TUBES—Strotron

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 Amgo Corp., 4234 Lincoln Ave., Chicago 18, Ill.
 Bomac Laboratories, Beverly, Mass.
 Electronic Enterprises, Inc., 65 7th Ave., Newark 4, N. J.
 Electronic Products Co., 111 E. 3rd St., Mt. Vernon, N. Y.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

TUBES—Subminiature

Arcturus Radio & Television Corp., 54 Clark St., Newark, N. J.
 Aurex Corp., 1117 N. Franklin St., Chicago, Ill.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Kip Electronics Corp., 155 Waverly Place, New York 14, N. Y.
 National Union Radio Corp., 350 Scotland Rd., Orange, N. J.
 Philco Corp., Tioga & C Sts., Phila. 34, Pa.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

RAYTHEON MFG. CO., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass. SEE ADV. PG. 55.
 Sonotone Corp., P. O. Box 200, Saw Mill River Rd., Elmsford, N. Y.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 VICTOREEN INSTRUMENT CO., 5806 Hough St., Cleveland 3, Ohio. SEE ADV. PG. 227.

TUBES—Television

See Tubes, Cathode Ray

TUBES—Television Pickup

Amperex Electronic Corp., 25 Washington St., Brooklyn 1, N. Y.
 GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 General Electronics, Inc., 101 Hazel St., Paterson, N. J.
 RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Remington Rand, Inc., Systems Div., Vericon Dept., South Norwalk, Conn.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.

TUBES—Television Picture

National Union Radio Corp., 350 Scotland Rd., Orange, N. J.
 Vacuum Tube Products, 302 North Clementine St., Oceanside, Calif.

TUBES—Thyratron

Arcturus Radio & Television Corp., 54 Clark St., Newark, N. J.
 CONTINENTAL ELECTRIC CO., Geneva, Ill. SEE ADV. PG. 176.
 Du Mont Labs., Allen B., 2 Main Ave., Passaic, N. J.
 Eitel-McCullough, Inc., San Bruno, California Electronic Enterprises, Inc., 65 7th Ave., Newark 4, N. J.
 ELECTRONS INC., 127 Sussex Ave., Newark 4, N. J. SEE ADV. PG. 141.
 FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 General Electronics, Inc., 101 Hazel St., Paterson, N. J.
 Kuthe Laboratories, Inc., 150 Summit St., Newark 4, N. J.
 NATIONAL ELECTRONICS, INC., Geneva, Ill. SEE ADV. PG. 102.
 RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

TUBES—Transmitting and Power

Amperex Electronic Corp., 25 Washington St., Brooklyn, N. Y.
 Arcturus Radio & Television Corp., 54 Clark St., Newark, N. J.
 CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
 Collins Radio Co., Cedar Rapids, Iowa
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Eitel-McCullough, Inc., San Bruno, Calif.
 Electronic Enterprises, Inc., 65 7th Ave., Newark 4, N. J.
 Electronic Products Co., 111 E. Third St., Mt. Vernon, N. Y.

FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 127, 131, 133, 135.
 GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 General Electronics, Inc., 101 Hazel St., Paterson, N. J.
 Heintz & Kaufman, Ltd., South San Francisco, Calif.
 Hytron Radio & Electronics Corp., 76 Lafayette St., Salem, Mass.
 JENNINGS RADIO MFG. CO., 1098 E. William St., San Jose 12, Calif. SEE ADV. PGS. 158, 159.
 Kuthe Laboratories, Inc., 150 Summit St., Newark 4, N. J.
 MACHLETT LABORATORIES, Springdale, Conn. SEE ADV. PG. 147.
 NATIONAL ELECTRONICS, INC., Geneva, Ill. SEE ADV. PG. 102.
 RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Taylor Tubes, Inc., 2312 Wabansia Ave., Chicago 47, Ill.
 United Electronics Co., 42 Spring St., Newark 2, N. J.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TUBES—TR and Anti TR

Arcturus Radio & Television Corp., 54 Clark St., Newark, N. J.
 Boma Laboratories, Beverly, Mass.
 GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TUBES—uhf

Amperex Electronic Corp., 25 Washington St., Brooklyn 1, N. Y.
 Arcturus Radio & Television Corp., 54 Clark St., Newark, N. J.
 Eitel-McCullough Inc., San Bruno, Calif.
 FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Road, Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hytron Radio & Electronics Corp., 76 Lafayette St., Salem, Mass.
 MACHLETT LABORATORIES, Springdale, Conn. SEE ADV. PG. 147.
 National Union Radio Corp., 350 Scotland Rd., Orange, N. J.
 RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 RAYTHEON MFG. CO., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass. SEE ADV. PG. 55.
 SPERRY GYROSCOPE CO., Div. of Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Taylor Tubes, Inc., 2312 Wabansia Ave., Chicago 47, Ill.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TUBES—Vacuum Thermocouple

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 American Thermo Electric Co., 67 E. 8th St., New York 3, N. Y.
 BALLANTINE LABS., INC., Boonton, N. J. SEE ADV. PG. 134.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Distillation Products, Inc., Vacuum Equip. Div., 755 Ridge Rd., W., Rochester, N. Y.
 Eclipse-Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
 FIELD ELECTRICAL INSTRUMENT CO., 109 E. 184th St., New York 53, N. Y. SEE ADV. PG. 80.
 Fredericks Co., Geo. E. Bethayres, Pa.
 GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Hastings Instrument Co., Box 1275, Hampton, Va.
 National Research Corp., 70 Memorial Drive, Cambridge 42, Mass.
 Sensitive Research Instrument Corporation, 9 Elm Ave., Mt. Vernon, N. Y.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England.
 SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

TUBES—Voltage Regulating

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 Amperex Electronic Corp., 25 Washington St., Brooklyn 1, N. Y.
 Anton Electronic Laboratories, Inc., 1226-1238 Flushing Ave., Brooklyn 6, N. Y.
 Arcturus Radio & Television Corp., 54 Clark St., Newark, N. J.
 CHATHAM ELECTRONICS CORP., 475 Washington St., Newark 2, N. J. SEE ADV. PG. 28.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Electronic Enterprises, Inc., 65 7th Ave., Newark 4, N. J.
 GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 General Electronics, Inc., 101 Hazel St., Paterson, N. J.
 Hytron Radio & Electronics Corp., 76 Lafayette St., Salem, Mass.
 Kuthe Laboratories, Inc., 150 Summit St., Newark 4, N. J.
 National Union Radio Corp., 350 Scotland Rd., Orange, N. J.
 RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 RAYTHEON MFG. CO., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass. SEE ADV. PG. 55.
 Standard Arcturus Corp., 54 Clark St., Newark 4, N. J.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England.
 SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Taylor Tubes, Inc., 2312 Wabansia Ave., Chicago 47, Ill.
 VICTOREEN INSTRUMENT CO., 5806 Hough Ave., Cleveland 3, Ohio. SEE ADV. PG. 227.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TUBES—X-Ray

Amperex Electronic Corp., 25 Washington St., Brooklyn 1, N. Y.
 Anton Electronic Laboratories, Inc., 1226-1238 Flushing Ave., Brooklyn 6, N. Y.
 General Electric X-Ray Corp., 4855 W. McGeoch Ave., Milwaukee, Wis.
 General Electronics, Inc., 101 Hazel St., Paterson, N. J.

MACHLETT LABORATORIES, Springdale, Conn. SEE ADV. PG. 147.
 North American Philips Co., Inc., 100 East 42nd St., New York, N. Y.
 Picker X-Ray Corp., 300 Fourth Ave., New York 10, N. Y.
 Sheboygan X-Ray Co., 1135 Indiana, Sheboygan, Wis.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Triplett & Barton, Inc., 831 N. Lake St., Burbank, Calif.
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TUBING—Aluminum Waveguide

SUPERIOR TUBE CO., 2504 Germantown Pike, Norristown, Pa. SEE ADV. PGS. 101, 102.

TUBING—Brass & Copper

American Brass Co., Waterbury 88, Conn.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Ilco Copper Tube & Products, Inc., Mariemont Ave., Mariemont, Cincinnati 27, Ohio
 JELLIFF MFG. CORP., C. O., 200 Pequot Ave., Southport, Conn. SEE ADV. PG. 102.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 PRODUCTION ENGINEERING CO., 173 Sargeant Ave., Clifton, N. J. SEE ADV. PG. 212.
 Republic Copper & Brass, Inc., 230 Park Avenue, New York 17, N. Y.
 Uniform Tubes, Shurs Lane & Lauriston St., Roxborough, Philadelphia, Pa.

TUBING—Ceramic

AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
 CENTRALAB DIV., Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.
 Crowley & Co., Inc., Henry L., 1 Central Ave., West Orange, N. J.
 Electrical Refractories Co., 50 Clark St., East Palestine, Ohio
 General Ceramics & Steatite Corp., Keasbey, N. J.
 Kirchberger & Co., Inc., M., 1425 37th St., Brooklyn 18, N. Y.
 Lapp Insulator Co., Inc., 31 Gilbert St., LeRoy, N. Y.
 Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
 RADIO CORP. OF AMERICA, RCA Victor Div., Front & Camden Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Richards Co., Inc., Arklay S., 78 Winchester St., Newton Highlands 61, Mass.
 Star Porcelain Co., 61 Muirhead Ave., Trenton 9, N. J.
 Steward Mfg. Co., D. M., Chattanooga, Tenn.
 STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.
 United Insulator Co., Ltd., Tolworth-Surbiton-Surrey, England

TUBING—Fabric

Alpha Wire Corp., 50 Howard St., New York 13, N. Y.
 Anchor Webbing Co., P. O. Box 1624, Providence, R. I.
 BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 Franklin Fibre-Lamitex Corp., 12th and French Sts., Wilmington, Delaware
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Insulating Tube Co., 26 Cottage St., P. O. Box 1, Poughkeepsie, N. Y.
 INSULATION MFRS. CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Irvington Varnish & Insulator Co., 10 Argyle Terrace, Irvington 11, N. J.
 MITCHELL-RAND INSULATION CO., INC., 51 Murray St., New York 7, N. Y. SEE ADV. PG. 54.

NATIONAL VARNISHED PRODUCTS CORP., 211 Randolph Ave., Woodbridge, N. J. SEE ADV. PG. 117.
 NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 Synthane Corp., Oaks, Pa.
 Taylor Fibre Co., Norristown, Pa.
 Vartflex Corp., N. Jay St., Rome, N. Y.

TUBING—Fibre

Auburn Mfg. Co., Middletown, Conn.
 Baer Co., N. S., 9 Montgomery St., Hillside, N. J.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
 CLEVELAND CONTAINER CO., THE, 6201 Barberton Ave., Cleveland 2, Ohio. SEE ADV. PG. 183.
 Franklin Fibre-Lamitex Corp., 12th & French Sts., Wilmington, Del.
 INSULATION MFRS. CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Lamicoid Fabricators, Inc., 4545 Cortland St., Chicago 39, Ill.
 NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 Sheffco Mfg. Co., 116 W. Ruby Ave., Palisades Park, N. J.
 Spaulding Fibre Co., Inc., 310 Wheeler St., Tonawanda, N. Y.
 Varflex Corp., N. Jay St., Rome, N. Y.

TUBING—Glass

Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
 Corning Glass Works, Corning, N. Y.
 Fischer & Porter Co., Hatboro, Pa.
 Fish-Schurman Corp., 230 E. 45th St., New York 17, N. Y.
 Fredericks Co., Geo. E., Bethayres, Pa.
 HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.

TUBING—Glass Fibre Insulation

Alpha Wire Corp., 50 Howard St., New York, N. Y.
 BENTLEY-HARRIS MFG. CO., Conshocken, Pa. SEE ADV. PG. 127.
 BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
 CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Delaware. SEE ADV. PGS. 119-122.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 INSULATION MFRS. CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Mica Insulator Co., Schenectady 1, N. Y.
 MITCHELL-RAND INSULATION CO., INC., 51 Murray St., New York 7, N. Y. SEE ADV. PG. 54.
 National Electric Coil Co., Columbus 16, Ohio
 NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 Synthane Corp., Oaks, Pa.
 Varflex Corp., N. Jay St., Rome, N. Y.

TUBING—Knitted Wire

Alpha Wire Corp., 50 Howard Street, New York, N. Y.
 Chicago Metal Hose Corp., 1309 S. 3rd Ave., Maywood, Ill.
 Essex Wire Corp., 1601 Wall St., Fort Wayne 6, Ind.

TUBING—Metal and Alloy

Allegheny Ludlum Steel Corp., Pittsburgh 22, Pa.
 American Brass Co., Waterbury 88, Conn.
 Bundy Tubing Co., 8109 E. Jefferson Ave., Detroit 14, Mich.

Carpenter Steel Co., Kenilworth, N. J.
 Carpenter Steel Co., 142 West Bern St., Reading, Pa.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Division Lead Co., 836 W. Kinzie St., Chicago 22, Ill.
 GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
 Gordon Co., Claud S., 3000 S. Wallace St., Chicago 16, Ill.
 Haynes Stellite Co., Unit of Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y.
 International Nickel Co., Inc., 67 Wall St., New York 5, N. Y.
 MAKEPEACE CO., D. E., Attleboro, Mass. SEE ADV. PG. 84.
 National Lead Co., 111 Broadway, New York 6, N. Y.
 PRODUCTION ENGINEERING CO., 173 Sargeant Ave., Clifton, N. J. SEE ADV. PG. 212.
 Revere Copper & Brass, Inc., 230 Park Avenue, New York 17, N. Y.
 Reynolds Metals Co., Technical Service Dept., 2500 So. Third St., Louisville 1, Ky.
 Summerill Tubing Co., Div. Columbia Steel & Shafting Co., P. O. Box 1557, Pittsburgh 30, Pa.
 SUPERIOR TUBE CO., 2504 Germantown Pike, Norristown, Pa. SEE ADV. PGS. 100, 101.
 Timken Roller Bearing Co., The, Canton, Ohio
 Uniform Tubes, Shurs Lane & Lauriston St., Roxborough, Phila., Pa.

TUBING—Mica

Asheville Mica Co., 900 Jefferson Ave., Newport News, Va.
 CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Del. SEE ADV. PGS. 119-122.
 INSULATION MFRS. CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Mica Insulator Co., Schenectady 1, N. Y.
 MITCHELL-RAND INSULATION CO., INC., 51 Murray St., New York 7, N. Y. SEE ADV. PG. 54.
 Tar Heel Mica Co., Plumbtree, N. C.

TUBING—Nickel

Bundy Tubing Co., 8109 E. Jefferson Ave., Detroit 14, Mich.
 Carpenter Steel Co., Kenilworth, N. J.
 Gordon Co., Claud S., 3000 S. Wallace St., Chicago 16, Ill.
 International Nickel Co., Inc., 67 Wall St., New York 5, N. Y.
 PRODUCTION ENGINEERING CO., 173 Sargeant Ave., Clifton, N. J. SEE ADV. PG. 212.
 SUPERIOR TUBE CO., 2504 Germantown Pike, Norristown, Pa. SEE ADV. PGS. 100, 101.

TUBING—Paper

Auburn Mfg. Co., Middletown, Conn.
 CLEVELAND CONTAINER CO., THE, 6201 Barberton Ave., Cleveland 2, Ohio. SEE ADV. PG. 183.
 Franklin Fibre-Lamitex Corp., 12th and French Sts., Wilmington, Del.
 Insulating Tube Co., 26 Cottage St., P. O. Box 1, Poughkeepsie, N. Y.
 INSULATION MFRS. CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Paramount Paper Tube Corp., 614 Lafayette St., Fort Wayne 4, Ind.
 PRECISION PAPER TUBE CO., 2033 W. Charleston St., Chicago 47, Ill. SEE ADV. PG. 112.

TUBING—Plastic

AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 ANCHOR PLASTICS CO., INC., 533-541 Canal St., New York 13, N. Y. SEE ADV. PG. 200.
 B & C Insulation Products, Inc., Lincoln Highway, Iselin, N. J.
 Baer Co., N. S., 9 Montgomery St., Hillside, N. J.
 Blum & Co., Julius, 532 W. 22nd St., New York 11, N. Y.
 BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.

Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
CLEVELAND CONTAINER CO., THE, 6201 Barberton Ave., Cleveland 2, Ohio. SEE ADV. PG. 183.
CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Del. SEE ADV. PGS. 119-122.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.
 Franklin Fibre-Lamitex Corp., 12th & French Sts., Wilmington, Del.
 Gemloid Corp., 79-10 Albion Ave., Elmhurst, N. Y.
GENERAL ELECTRIC CO., Chemical Dept., Pittsfield, Mass. SEE ADV. PGS. 5-18.
 Howard Mfg. Corp., 1401 S. Main St., Council Bluffs, Iowa.
 Industrial Synthetics Corp., 225 North Ave., Garwood, N. J.
 Insulating Tube Co., 26 Cottage St., P. O. Box 1, Poughkeepsie, N. Y.
INSULATION MFRS. CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Irvington Varnish & Insulator Co., 10 Argyle Terrace, Irvington 11, N. J.
 Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
 Lamicoid Fabricators, Inc., 4545 Cortland St., Chicago 39, Illinois
 Mica Insulator Co., Schenectady 1, N. Y.
 Micacraft Products Inc., 701 McCarter Highway, Newark 5, N. J.
MITCHELL-RAND INSULATION CO., INC., 51 Murray St., New York 7, N. Y. SEE ADV. PG. 54.
NATIONAL VARNISHED PRODUCTS CORP., 211 Randolph Ave., Woodbridge, N. J. SEE ADV. PG. 31.
 Panelyte Div., St. Regis Paper Co., 230 Park Ave., New York, N. Y.
 Phalo Plastics Corp., 25 Foster St., Worcester 8, Mass.
 Plastex Corp., 402 Mt. Vernon Ave., Columbus 3, Ohio
 Plax Corp., P. O. Box 1019, Hartford, Conn.
PRECISION PAPER TUBE CO., 2033 W. Charleston St., Chicago 47, Ill. SEE ADV. PG. 112.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, California
 Spaulding Fibre Co., Inc., 310 Wheeler St., Tonawanda, N. Y.
 Surprenant Mfg. Co., 199 Washington Street, Boston 10, Mass.
 Synthane Corp., Oaks, Penna.
 Taylor Fibre Co., Norristown, Pa.
 United Radio Mfg. Co., 191 Greenwich St., New York, N. Y.
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
 U. S. Stoneware Co., The, Akron 9, Ohio
 Varflex Corp., N. Jay St., Rome, N. Y.
 Willson Plastic Div., Willson Magazine Camera Co., 6022 Media St., Phila. 31, Pa.

TUBING—Precious Metal

AMERICAN PLATINUM WORKS, N. J. R. R. at Oliver St., Newark 5, N. J. SEE ADV. PG. 192.
 Baker Co., Inc., 113 Astor St., Newark 5, N. J.
 Callite Tungsten Corp., 540 39th St., Union City, N. J.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
MAKEPACE CO., D. E., Attleboro, Mass. SEE ADV. PG. 84.
NEY CO., J. M., 179 Elm St., Hartford, Conn. SEE ADV. PG. 56.
 Wildberg Bros. Smelting & Refining Co., 742 Market St., San Francisco 2, Calif.

TUBING—Steel

American Rolling Co., 368 Curtis St., Middletown, Ohio
 Arnco Steel Corp., 703 Curtis St., Middletown, Ohio
 Bundy Tubing Co., 8109 E. Jefferson Ave., Detroit 14, Mich.
 Carpenter Steel Co., Kenilworth, N. J.

Carpenter Steel Co., 142 West Bern St., Reading, Pa.
 Essex Wire Corp., 1601 Wall St., Ft. Wayne 6, Ind.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
PRODUCTION ENGINEERING CO., 173 Sargeant Ave., Clifton, N. J. SEE ADV. PG. 212.
 Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio
 Revere Copper & Brass Inc., 230 Park Avenue, New York 17, N. Y.
 Ryerson & Son, Inc., J. T., Box 8000-A, Chicago, Ill.
 Summerill Tubing Co., Div. Columbia Steel & Shafting Co., P. O. Box 1557, Pittsburgh 30, Pa.
SUPERIOR TUBE CO., 2504 Germantown Pike, Norristown, Pa. SEE ADV. PGS. 100, 101.
 Timken Roller Bearing Co., The, Canton, Ohio

TUBING—Synthetic Resin

American Hard Rubber Co., 11 Mercer St., New York 13, N. Y.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Delaware. SEE ADV. PGS. 119-122.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 du Point de Nemours & Co., Inc., E. I., Wilmington 98, Del.
 Industrial Synthetics Corp., 225 North Ave., Garwood, N. J.
 Insulating Tube Co., 26 Cottage St., P. O. Box 1, Poughkeepsie, N. Y.
INSULATION MFRS. CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 Irvington Varnish & Insulator Co., 10 Argyle Terrace, Irvington 11, N. J.
 Lamicoid Fabricators, Inc., 4545 Cortland St., Chicago 39, Illinois
 Mica Insulator Co., Schenectady 1, N. Y.
MITCHELL-RAND INSULATION CO., INC., 51 Murray St., New York 7, N. Y. SEE ADV. PG. 54.
 Plastex Corp., 402 Mt. Vernon Ave., Columbus 3, Ohio
 Spaulding Fibre Co., Inc., 310 Wheeler St., Tonawanda, N. Y.
 Surprenant Mfg. Co., 199 Washington Street, Boston 10, Mass.
 Synthane Corp., Oaks, Pa.
 Taylor Fibre Co., Norristown, Pa.
 U. S. Stoneware Co., The, Akron 9, Ohio
 Varflex Corp., N. Jay St., Rome, N. Y.
 Western Felt Works, 4029 Ogden Ave., Chicago, Ill.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TUBING—Varnished or Lacquered

Aerolite Electronic Hardware Corp., 24 Cliff St. Jersey City, N. J.
 Alpha Wire Corp., 50 Howard St., New York 13, N. Y.
 Anchor Webbing Co., P. O. Box 1624, Providence, R. I.
 B & C Insulation Products, Inc., Lincoln Highway, Iselin, N. J.
BRAND & CO., WILLIAM, 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
CLEVELAND CONTAINER CO., THE, 6201 Barberton Ave., Cleveland 2, Ohio. SEE ADV. PG. 183.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
INSULATION MFRS. CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
 National Electric Coil Co., Columbus 16, Ohio
NATIONAL VARNISHED PRODUCTS CORP., 211 Randolph Ave., Woodbridge, N. J. SEE ADV. PG. 117.

PRECISION PAPER TUBE CO., 2033 W. Charleston St., Chicago 47, Ill. SEE ADV. PG. 112.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, California
 Varflex Corp., N. Jay St., Rome, N. Y.

TUBING—Varnished Cambric Insulation

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Alpha Wire Corp., 50 Howard St., New York 13, N. Y.
 Anchor Webbing Co., P. O. Box 1624, Providence, R. I.
BENTLEY-HARRIS MFG. CO., Conshocken, Pa. SEE ADV. PG. 127.
BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
NATIONAL VARNISHED PRODUCTS CORP., 211 Randolph Ave., Woodbridge, N. J. SEE ADV. PG. 117.
 Varflex Corp., N. Jay St., Rome, N. Y.

TUNERS—a-m

Adaptol Co., 120 New Lots Ave., Brooklyn, N. Y.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
 Bogen Co., David, 663 Broadway, New York 12, N. Y.
BROWNING LABORATORIES, INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
 Collins Audio Products Co., P. O. Box 368, Westfield, N. J.
 Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
 Grigsby-Allison Co., Inc., 407 N. Salem Ave., Arlington Heights, Ill.
 Heath Co., Benton Harbor, Mich.
 Kinsey Radio Mfg. Co., 5804 Oak St., Omaha 7, Neb.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
 Oak Mfg. Co., 1260 N. Clybourn Ave., Chicago 10, Ill.
 Sargent-Rayment Co., The, 212 9th St., Oakland 7, Calif.
 Sickles Co., F. W., 165 Front St., Chicopee, Mass.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.

TUNERS—f-m

Bogen Co., David, 663 Broadway, New York 12, N. Y.
BROWNING LABORATORIES, INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
 Collins Audio Products Co., P. O. Box 368, Westfield, N. J.
EL-TRONICS, INC., 2647 No. Howard St., Phila. 33, Pa. SEE ADV. PG. 189.
 Heath Co., Benton Harbor, Mich.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
 Modulation Products Co., 202 E. 44th St., New York, N. Y.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Radio Engineering Labs., Inc., 34-54 36th Street, Long Island City, N. Y.
 Regal Electronics Corp., 603 W. 130th St., New York 27, N. Y.
 Sargent-Rayment Co., The, 212 9th St., Oakland 9, Calif.
 Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
 U. S. Electronics Corp., 275 Warren St., Lyndhurst, N. J.

TUNERS—f-m/a-m

Bogen Co., David, 663 Broadway, New York 12, N. Y.
BROWNING LABS., INC., 750 Main St., Winchester, Mass. SEE ADV. PG. 179.
 Collins Audio Products, Co., P. O. Box 368, Westfield, N. J.
 Hallicraifters Co., 4401 W. Fifth Ave., Chicago 24, Ill.
 Heath Co., Benton Harbor, Mich.
 Modulation Products Co., 202 E. 44th St., New York, N. Y.
 Radio Craftsmen, Inc., 1341 S. Michigan Ave., Chicago 5, Ill.
 Sargent-Rayment Co., The, 212 9th St., Oakland 7, Calif.
 Televista Corp. of America, 114 E. 16th St., New York 3, N. Y.
 U. S. Electronics Corp., 275 Warren St., Lyndhurst, N. J.

TUNERS—Klystron

Microwave Equipment Co., North Caldwell, N. J.
SPERRY GYROSCOPE CO., Div. of Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.

TUNERS—Permeability

Aermotive Equipment Corp., 1632-8 Central St., Kansas City 10, Mo.
 Aladdin Radio Industries, Inc., 501 W. 35th St., Chicago 16, Ill.
 Clippard Instrument Laboratory, Inc., 1125 Bank St., Cincinnati 14, Ohio
 Electronic Labs., Inc., 24 W. 24th St., Indianapolis 4, Ind.
 Grigsby-Allison Co., Inc., 407 N. Salem Ave., Arlington Heights, Ill.
 Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
 Modulation Products Co., 202 E. 44th St., New York, N. Y.
 Oak Mfg. Co., 1260 N. Clybourn Ave., Chicago 10, Ill.
 Radio Condenser Co., Camden, N. J.
STANDARD PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
 Teleradio Engineering Corp., 99 Wall St., New York 5, N. Y.
 U. S. Electronics Corp., 275 Warren St., Lyndhurst, N. J.

TUNERS—Television

Automatic Mfg. Corp., 65 Gouverneur St., Newark, N. J.
 Guthman Inc., Edwin I., 15 S. Throop St., Chicago, Ill.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
STANDARD COIL PRODUCTS CO., 2329 N. Pulaski Rd., Chicago 39, Ill. SEE ADV. PG. 219.
TRANSVISION INC., 460 North Ave., New Rochelle, N. Y. SEE ADV. PG. 172.
 U. S. Electronics Corp., 275 Warren St., Lyndhurst, N. J.

TUNERS—Television rf

General Instrument Corp., 829 Newark Ave., Elizabeth 3, N. J.

TUNERS—uhf Ring

Clarkstan Corp., 11927 W. Pico Blvd., Los Angeles 34, Calif.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.

TUNING DEVICES—Receiver Mechanical

Aermotive Equipment Corp., 1632-8 Central St., Kansas City 10, Mo.
BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Collins Audio Products Co., P. O. Box 368, Westfield, N. J.

Collins Radio Co., Cedar Rapids, Iowa
 Delco Radio Div., General Motors Corp., Kokomo, Ind.
 Elm Laboratories, 18 South Broadway, Dobbs Ferry, N. Y.
 General Instrument Corp., 829 Newark Ave., Elizabeth 3, N. J.
 Grigsby-Allison Co., Inc., 407 N. Salem Ave., Arlington Heights, Ill.
 Hammarlund Mfg. Co., 460 W. 34th St., New York 1, N. Y.
 Hi-Par Products Co., Fitchburg, Mass.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Leland, Inc., G. H., 123 Webster St., Dayton 2, Ohio
 Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Modulation Products Co., 202 E. 44th St., New York, N. Y.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Oak Mfg. Co., 1260 N. Clybourn Ave., Chicago 10, Ill.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Radio Condenser Co., Camden, N. J.
 Sickles Co., F. W., 165 Front St., Chicopee, Mass.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 U. S. Electronics Corp., 275 Warren St., Lyndhurst, N. J.
 Yates Engineering Services, Box 67, Cranford, N. J.

TUNING DEVICES—Transmitter Mechanical

BARKER & WILLIAMSON, 235 Fairfield Ave., Upper Darby, Pa. SEE ADV. PG. 39.
 Collins Radio Co., Cedar Rapids, Iowa
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Technical Materiel Corp., The, 453 W. 47th St., New York 19, N. Y.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
 Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.

TUNING DEVICES—Turntable Units

General Industries Co., Taylor & Olive Sts., Elyria, Ohio
 Magnetic Products Corp., The, Norwalk, Conn.
 Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
PREMAX PRODUCTS DIV., Chisholm-Ryder Co., Inc., Niagara Falls 2, N. Y. SEE ADV. PG. 44.

TURNTABLES—Recording and Transcription

Alliance Mfg. Co., Lake Park Blvd., Alliance, Ohio
 Allied Recording Products Co., 21-09 43rd Ave., Long Island City 1, N. Y.
 Bardwell & McAllister, Inc., P. O. Box 1310, Hollywood, Calif.
 Berndt-Bach, Inc., 7377 Beverly Blvd., Los Angeles 36, Calif.
 Califone Corp., 1041 N. Sycamore Ave., Hollywood 38, Calif.
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Ellinwood Industries, 150 W. Slauson Ave., Los Angeles 3, Calif.
 Fairchild Recording Equipment Corp., 154th St. & 7th Ave., Whitestone, N. Y.
FEDERAL TELEPHONE & RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Flock Process Co., Velvetone Div., 3 Quincy St., Norwalk, Conn.

Garrard Sales Corp., 315 Broadway, New York 7, N. Y.
 General Industries Co., Taylor & Olive Sts., Elyria, Ohio
 Gray Mfg. Co., 16 Arbor St., Hartford, Conn.
GRAY RESEARCH & DEVELOPMENT CO., 16 Arbor St., Hartford 1, Conn. SEE ADV. PG. 187.
 Harris Mfg. Co., 2422 W. Seventh St., Los Angeles 5, Calif.
 Langevin Mfg. Corp., 37 W. 65th St., New York 23, N. Y.
 Magnetic Products Corp., The, Norwalk, Conn.
PRESTO RECORDING CORP., Paramus, N. J. SEE ADV. PGS. 40, 41.
PROCTOR SOUNDEX CORP., 133 N. 6th Ave., Mt. Vernon, N. Y. SEE ADV. PG. 230.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Radio Engineering Labs., Inc., 35-54 36th St., L. I. City, N. Y.
 Radio-Music Corp., Port Chester, New York
 Rek-O-Kut Co., Inc., 38-01 Queens Blvd., L. I. City, N. Y.
 Rowe Industries, 1702 Wayne St., Toledo 9, Ohio
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.

TWEETERS

See Loudspeakers

ULTRASONIC EQUIPMENT

Refer to any of the following:
GENERATORS, Ultrasonic
GAGES, Ultrasonic Thickness
CRYSTALS, Ultrasonic

VACUUM GAGES

See Gages, Vacuum or Pirani

VACUUM INDICATING, RECORDING AND CONTROL EQUIPMENT

Bailey Meter Co., 1044 Ivanhoe Rd., Cleveland 10, Ohio
 Bristol Co., The, Waterbury 91, Conn.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
CONTINENTAL ELECTRIC CO., Geneva, Ill. SEE ADV. PG. 176.
 Distillation Products, Inc., Vacuum Equipment Div., 765 Ridge Rd. W., Rochester, N. Y.
 Ecco High Frequency Corp., 7020 Hudson Blvd., North Bergen, N. J.
 Foxboro Co., The, Foxboro, Mass.
 Fredericks Co., Geo. E., Bethayres, Pa.
 Hastings Instrument Co., Box 1275, Hampton, Va.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
 National Research Corp., 70 Memorial Drive, Cambridge 42, Mass.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Research Electronic Lab., 2859 Susquehanna Rd., Roslyn, Pa.
 Skaneateles Mfg. Co., Inc., 122 Dickerson St., Syracuse 2, N. Y.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Tagliabue Corp., C. J., 614 Frelinghuysen Ave., Newark 5, N. Y.
 Thompson Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.
 Vacuum Electronic Engineering Co., 316 37th St., Brooklyn 2, N. Y.
 Wallace & Tiernan Products, Inc., Belleville 9, N. J.
 Weksler Thermometer Co., 52 W. Houston St., New York 12, N. Y.
 Winslow Company, Inc., The, 9 Liberty St., Newark 5, N. J.

VACUUM PUMPS—High

BEACH-RUSS CO., 50 Church St., New York 7, N. Y. SEE ADV. PG. 196.
 Callite Tungsten Corp., 540 39th St., Union City, N. J.
 Central Scientific Co., 1700 Irving Park Road, Chicago 13, Ill.
 Distillation Products, Inc., Vacuum Equipment Div., 755 Ridge Rd. W., Rochester, N. Y.
 EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
 Eitel-McCullough Inc., San Bruno, Calif.
 Fredericks Co., Geo. E., Bethayres, Pa.
 HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 International Machine Works, 2027 46th St., North Bergen, N. J.
 KAHLE ENGINEERING CO., 1307 Seventh St., North Bergen, N. J. SEE ADV. PG. 152.
 Kinney Mig. Co., 3529 Washington St., Boston, Mass.
 Leiman Bros., 114 Christie St., Newark 5, N. J.
 National Research Corp., 70 Memorial Drive, Cambridge 42, Mass.
 Nelson Vacuum Pump Co., Geo. F., 2133 Fourth St., Berkeley 10, Calif.
 Optical Film Engineering Co., 2125 Cherry St., Philadelphia 3, Pa.
 RADIO CORP. OF AMERICA, RCA Victor Div., Front & Camden Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Stokes Machine Co., F. J., 5850 Tabor Rd., Olney P. O., Philadelphia 20, Pa.
 Vacuum Tube Products, 203 North Clementine St., Oceanside, Calif.
 Welch Scientific Co., W. M., 1515 Sedgwick St., Chicago 10, Ill.

Vacuum Tube Voltmeter

See Voltmeters, Electronic

VACUUM UNITS

Distillation Products, Inc., Vacuum Equipment Div., 755 Ridge Rd. W., Rochester, N. Y.
 Fredericks Co., Geo. F., Bethayres, Pa.
 HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Leiman Bros., 114 Christie St., Newark 5, N. J.
 National Research Corp., 70 Memorial Drive, Cambridge 42, Mass.
 Optical Film Engineering Co., 2125 Cherry St., Philadelphia 3, Pa.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back & Back Covers.
 Skaneateles Mfg. Co., Inc., 122 Dickerson St., Syracuse 2, N. Y.

VALVES—Solenoid

Adel Precision Products Corp., 10777 Van Owen St., Burbank, Calif.
 Alco Valve Co., 865 Kingsland St., St. Louis 5, Mo.
 Automatic Switch Co., 391 Lakeside Ave., Orange, N. J.
 Barber Colman Co., Rockford, Ill.
 Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
 Caltron Co., 1406 S. Hobart Blvd., Los Angeles 6, Calif.
 Cooper Co., Clark, 374 N. Market St., Palmyra, N. J.
 Cutler-Hammer Inc., 315 N. 12th St., Milwaukee 1, Wis.
 Distillation Products, Inc., Vacuum Equipment Div., 755 Ridge Rd. W., Rochester, N. Y.
 General Controls Co., Glendale 1, Calif.
 Hercules Electric & Mfg. Co., Inc., 2500 Atlantic Ave., Brooklyn 7, N. Y.
 McQuay-Norris Mfg. Co., 2320 Marconi Ave., St. Louis 10, Mo.
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave. S., Minneapolis, Minn.
 Piezo Mfg. Corp., 110 E. 42nd St., New York 17, N. Y.

Sarco Co., Inc., Empire State Bldg., New York 1, N. Y.
 Skinner Electric Valve Div., The Skinner Chuck Co., 40 Belden Ave., Norwalk, Conn.
 Viking Products Sales Co., 2373 East Eight Mile Rd., Hazel Park, Mich.

VARISTORS

Carborundum Co., The Global Div., Niagara Falls, N. Y.
 GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 VICKERS ELECTRIC DIV., Vickers Inc., 1815 Locust St., St. Louis 3, Mo. SEE ADV. PG. 194.
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

VARNISH CAMBRIC COATINGS

See Insulating Compounds

VIBRATION ANALYSIS EQUIPMENT

Aircraft Electronics Associates, Inc., 1031 New Britain Ave., Hartford 10, Conn.
 Calidyne Co., The, 751 Main St., Winchester, Mass.
 CENTURY GEOPHYSICAL CORP., Tulsa 3, Oklahoma. SEE ADV. PG. 164.
 Commercial Research Labs, Inc., 20 Bartlett Ave., Detroit 3, Mich.
 Consolidated Engineering Corp., 620 N. Lake Ave., Pasadena 4, Calif.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Electro Products Labs, Inc., 549 W. Randolph St., Chicago 6, Ill.
 Electronic Control Corp., 1573 E. Forest St., Detroit, Mich.
 Electronic Engineers, 1039-B Pacific St., Santa Monica, Calif.
 Gates Radio Co., Quincy, Ill.
 GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
 Heiland Research Corp., 130 East 5th Avenue, Denver 9, Colo.
 KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 M B MFG. CO., 1060 State St., New Haven 11, Conn. SEE ADV. PG. 221.
 Massa Laboratories, 3868 Carnegie St., Cleveland, Ohio
 MICO INSTRUMENT CO., 90 Trowbridge St., Cambridge 38, Mass. SEE ADV. PG. 170.
 Miller Corp., Wm., 362 W. Colorado St., Pasadena, Calif.
 PICKERING & CO., 309 Woods Ave., Oceanside, L. I., N. Y. SEE ADV. PG. 130.
 RAHM INSTRUMENTS, INC., 12 W. Broadway, New York 7, N. Y. SEE ADV. PG. 222.
 Rollin Co., 2070 N. Fair Oaks Ave., Pasadena 3, Calif.
 Scott Inc., Herman Hosmer, 385 Putnam Ave., Cambridge 39, Mass.
 Sheffield Corp., The, Dayton 1, Ohio
 SPERRY GYROSCOPE CO., Div. of Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Televiso Products Inc., 7466 West Irving Park Road, Chicago, Ill.
 Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

VIBRATION ANALYSIS EQUIPMENT Electronic Balancing

Annis Co., R. B., 1101 N. Delaware St., Indianapolis, Ind.
 Electro-Mechanical Instrument Co., 812 Chestnut St., Perkasie, Pa.

Gisholt Machine Co., 1245 E. Washington Ave., Madison 3, Wisc.
 Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
 Sheffield Corp., The, Dayton 1, Ohio
 SPERRY GYROSCOPE CO., Div. of Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Televiso Products Inc., 7466 West Irving Park Road, Chicago 34, Ill.
 Vibroscope Co., 6 East 39th St., New York 16, N. Y.
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

VIBRATION ANALYSIS EQUIPMENT — High Temperature Fatigue

Sheffield Corp., The, Dayton 1, Ohio

VIBRATION ANALYSIS EQUIPMENT — Vibration Fatigue

Dilks Co., Seymour, Conn.
 Gates Radio Co., Quincy, Ill.
 M B MFG. CO., 1060 State St., New Haven 11, Conn. SEE ADV. PG. 221.
 Sheffield Corp., The, Dayton 1, Ohio
 WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

VIBRATORS

Aerovox Corp., 740 Belleville Ave., New Bedford, Mass.
 Airpax Products Co., 1024 Greenmount Ave., Baltimore 2, Md.
 AMERICAN TELEVISION & RADIO CO., 300 E. Fourth St., St. Paul, Minn. SEE ADV. PG. 192.
 Calidyne Co., The, 751 Main St., Winchester, Mass.
 CORNELL DUBILIER ELECTRIC CORP., 1000 Hamilton Blvd., S. Plainfield, N. J. SEE ADV. PG. 87.
 Electronic Labs., Inc., 24 W. 24th St., Indianapolis 4, Ind.
 Eltron, Inc., 407 N. Jackson St., Jackson, Mich.
 Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
 Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
 MALLORY & CO., INC., P. R., 3029 E. Washington St., Indianapolis 6, Ind. SEE ADV. PGS. 71-74.
 NATIONAL CO., INC., 61 Sherman St., Malden 48, Mass. SEE ADV. PGS. 105-108.
 National Union Radio Corp., 350 Scotland Rd., Orange, N. J.
 Oak Mfg. Co., 1260 N. Clybourn Ave., Chicago 10, Ill.
 Radiart Corp., The, 3571 W. 62nd St., Cleveland 2, Ohio
 Vibrapower Co., James, 3224 W. Armitage Ave., Chicago, Ill.
 Vokar Corp., 7300 Huron River Dr., Dexter, Mich.

VISCOSIMETERS WITH ELECTRONIC RECORDERS

Patterson Co., C. J., 3947 Broadway, Kansas City, Mo.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
 Thompson & Associates, John E., 7210 S. Yates Ave., Chicago 49, Ill.

VOLTAGE SUPPLIES—Decade

Clippard Instrument Lab., Inc., 1125 Bank St., Cincinnati 14, Ohio
 INDUSTRIAL ELECTRONICS, INC., 2457 Woodward Ave., Detroit 1, Mich. SEE ADV. PG. 226.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 UNITED TRANSFORMER CO., 150 Varick St., New York 13, N. Y. SEE ADV. PG. Inside Front Cover.

VOLTMETERS

Assembly Products, Inc., Chagrin Falls 6, Ohio
 Associated Research, Inc., 3758 W. Belmont, Chicago 18, Ill.
 Beede Electrical Instrument Co., Inc., Penacook, N. H.
 Bristol Co., The, Waterbury 91, Conn.
 Burlington Instrument Co., Burlington, Iowa
 Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
 Coastwise Electronics Co., Inc., 130 N. Beaudry Ave., Los Angeles, Calif.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 DeJur-Amsco Corp., Northern Blvd. at 45th St., Long Island City 1, N. Y.
 Electric Design & Mfg. Corp., Burlington, Iowa
 Electric Heat Control Co., The, 9123 Inman Ave., Cleveland 5, Ohio
 Electro-Mechanical Instrument Co., 812 Chestnut St., Perkasie, Pa.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska
ELECTRONIC INSTRUMENT CO., INC., 276 Newport St., Brooklyn 12, N. Y. SEE ADV. PG. 233.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
ESTERLINE-ANGUS CO., INC., P. O. Box 596, Indianapolis, Ind.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Heath Co., Benton Harbor, Mich.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Industrial Devices, Inc., 22 State Rd., Edgewater, N. J.
 International Instruments, Inc., 331 East St., New Haven 11, Conn.
JBT INSTRUMENTS, INC., 441 Chapel St., New Haven 8, Conn. SEE ADV. PG. 229.
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
 Martindale Electric Co., Box 617, Edgewater Branch, Cleveland 7, Ohio
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Norton Electrical Instrument Co., 59 Hilliard St., Manchester, Conn.
 Precision Apparatus Co., Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Rawson Electrical Instrument Co., Inc., 110 Potter St., Cambridge 42, Mass.
 Reliance Instrument Co., 3027 W. Van Buren St., Chicago 12, Ill.
 Roller-Smith, Bethlehem, Pa.
 Sensitive Research Instrument Corporation, 9 Elm Avenue, Mount Vernon, N. Y.
 Shalleross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
SHURITE METERS, 61 Hamilton St., New Haven 6, Conn. SEE ADV. PG. 225.
 Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.
 Star Measurements Co., 442 East 166th St., New York 56, N. Y.
STERLING MFG. CO., 9205 Detroit Ave., Cleveland, Ohio. SEE ADV. PG. 232.
 Sticht Co., Inc., Herman H., 27 Park Pl., New York 7, N. Y.
 Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
 Triplett Electrical Instrument Co., 286 Harmon Rd., Buffton, Ohio

U. S. Gauge Div., American Machine & Metals, Inc., Sellersville, Pa.
 Wallace & Tiernan Products, Inc., Belleville 9, N. J.
 Welch Scientific Co., W. M., 1515 Sedgwick St., Chicago 10, Ill.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.
 Willard Storage Battery Co., 246 E. 131st St., Cleveland 1, Ohio

VOLTMETERS—Crystal

GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.

VOLTMETERS—Electronic

American British Technology, Inc., 57 Park Ave., New York 16, N. Y.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
BALLANTINE LABS., INC., Boonton, N. J. SEE ADV. PG. 134.
 Barber Labs., Alfred W., 34-04 Francis Lewis Blvd., Flushing, N. Y.
BETA ELECTRONICS CO., 1762 Third Ave., New York 29, N. Y. SEE ADV. PG. 126.
 Clippard Instrument Lab., Inc., 1125 Bank St., Cincinnati 14, Ohio
 Coastwise Electronics Co., Inc., 130 N. Beaudry Ave., Los Angeles, Calif.
 Development Engineering Co., Inc., The, 1818 Ashland St., Houston 8, Texas
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
ELECTRODYNE COMPANY, 899 Boylston St., Boston 15, Mass. SEE ADV. PG. 188.
ELECTRONIC DESIGNS, INC., Irvington, N. Y. SEE ADV. PG. 230.
ELECTRONIC INSTRUMENT CO., INC., 276 Newport St., Brooklyn 12, N. Y. SEE ADV. PG. 233.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
 Fluke Engineering Co., John, Box 755, Springdale, Conn.
FREED TRANSFORMER CO., 1736 Weirfield Ave., Brooklyn 27, N. Y. SEE ADV. PG. 53.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
GENERAL RADIO CO., 275 Massachusetts Ave., Cambridge 39, Mass. SEE ADV. PGS. 114, 115.
 Heath Co., Benton Harbor, Mich.
HEWLETT-PACKARD CO., 395 Page Mill Rd., Palo Alto, Calif. SEE ADV. PGS. 64, 65.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Instrument Electronics, 42-17A Douglaston Blvd., Douglaston, L. I., N. Y.
 Jackson Electrical Instrument Co., 16 S. Patterson Blvd., Dayton 1, Ohio.
KAY ELECTRIC CO., 14 Maple Ave., Pine Brook, N. J. SEE ADV. PG. 215.
 McMurdo Silver Co., Inc., 1240 Main St., Hartford 3, Conn.
 MacLeod & Hanopol, 10 Joiner St., Charlestown 29, Mass.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
MEASUREMENTS CORP., Boonton, N. J. SEE ADV. PG. 110.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 National Technical Labs., 820 Mission St., South Pasadena, Calif.
 Precision Apparatus Co., Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.
 Radio City Products Co., Inc., 152 W. 25th St., New York 1, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.

Radio Design Co., 1353 Sterling Pl., Brooklyn, N. Y.
 Reiner Electronics Co., 152 W. 25th St., New York, N. Y.
 Rowe Engineering Corp., 2422 N. Pulaski Road, Chicago 39, Ill.
 Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.
 Sierra Electronic Corp., Belmont & San Carlos, Calif.
 Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.
 Southwestern Industrial Electronic Co., 2831 Post Oak Rd., Houston 19, Texas
 Superior Instruments Co., 227 Fulton St., New York 7, N. Y.
 Supreme, Inc., Greenwood, Miss.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Thermo Labs., Inc., 355 W. 26th St., New York 1, N. Y.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Avenue, Newark 5, N. J. SEE ADV. PG. 193.

VOLTMETERS—Electrostatic

Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York 20, N. Y. SEE ADV. PG. 86.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 Rawson Electrical Instrument Co., 110 Potter St., Cambridge 42, Mass.
 Sensitive Research Instrument Corporation, 9 Elm Ave., Mt. Vernon, N. Y.
 Weston Laboratories, Weston 93, Mass.

VOLTAGE REGULATORS & STABILIZERS

See Regulators, Voltage Regulators & Stabilizers

VOLT-OHM-MILLIAMMETERS

Associated Research, Inc., 3758 W. Belmont, Chicago 18, Ill.
 Beede Electrical Instrument Co., Inc., Penacook, N. H.
 Coastwise Electronics Co., Inc., 130 N. Beaudry Ave., Los Angeles, Calif.
 Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
 Dayco Radio Corp., 915 Valley St., Dayton 4, Ohio
 Douglas Radio Labs., 40 Wayland St., Boston 25, Mass.
 Electro-Mechanical Instrument Co., 812 Chestnut St., Perkasie, Pa.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Electronic Development Co., 4420 N. 23rd St., Omaha 11, Nebraska
ELECTRONIC MEASUREMENTS CO., Red Bank, N. J. SEE ADV. PG. 172.
 Feiler Engineering Co., 945 W. George St., Chicago 14, Ill.
GENERAL ELECTRIC CO., Electronics Dept., Syracuse, N. Y. SEE ADV. PGS. 5-18.
 Heath Co., Benton Harbor, Mich.
 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio
 International Instruments, Inc., 331 East St., New Haven 11, Conn.
 Jackson Electrical Instrument Co., 16 Patterson Blvd., Dayton 1, Ohio
 McMurdo Silver Co., 1240 Main St., Hartford 3, Conn.
MARION ELECTRICAL INSTRUMENT CO., Manchester, N. H. SEE ADV. PG. 79.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.

Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Philco Corp., Tioga & C Sts., Philadelphia 34, Pa.
 Precision Apparatus Co., Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.
 Radio City Products Co., Inc., 152 W. 25th St., New York 1, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Rawson Electrical Instrument Co., 110 Potter St., Cambridge 42, Mass.
 Reiner Electronics Co., 152 W. 25th St., New York, N. Y.
 Roller-Smith, Bethlehem, Pa.
 Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
 Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.
 Star Measurements Co., 442 East 166th St., New York 56, N. Y.
STERLING MFG. CO., 9205 Detroit Ave., Cleveland 2, Ohio. SEE ADV. PG. 232.
 Superior Instruments Co., 227 Fulton St., New York 7, N. Y.
 Supreme, Inc., Greenwood, Miss.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
 Triplett Electrical Instrument Co., 286 Harmon Rd., Bluffton, Ohio
 Triumph Mfg. Co., 913 W. Van Buren St., Chicago 7, Ill.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

WASHERS—Insulating

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
AMERICAN LAVA CORP., Chattanooga 5, Tenn. SEE ADV. PG. 97.
 American Radio & Hardware Co., 152 MacQuesten Parkway, South, Mt. Vernon, N. Y.
 Asheville Mica Co., 900 Jefferson Ave., Newport News, Va.
 Auburn Mfg. Co., Middletown, Conn.
 Baer Co., N. S., 9 Montgomery St., Hillside, N. J.
BIWAX CORP., 3445 Howard St., Skokie, Ill. SEE ADV. PG. 206.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
CENTRALAB DIV., Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wis. SEE ADV. PGS. 26, 27.
 Chicago Expansion Bolt Co., 1338 W. Concord Pl., Chicago 22, Ill.
CONTINENTAL DIAMOND FIBRE CO., 16 Chapel St., Newark 16, Del. SEE ADV. PGS. 119-122.
 Crowley & Co. Inc., Henry L., 1 Central Ave., West Orange, N. J.
 Electrical Insulation Co., Inc., 12 Vestry St., New York, N. Y.
 Emeloid Co., Inc., The, 1239 Central Ave., Hillside 5, N. J.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 Felsenthal & Sons, Inc., G., 4100 W. Grand Ave., Chicago 51, Ill.
 Felt Products Mfg. Co., 1504 W. Carroll Ave., Chicago 7, Ill.
 Formica Insulation Co., 4662 Spring Grove Ave., Cincinnati 32, Ohio
 Franklin Fibre-Lamitex Corp., 12th & French Sts., Wilmington, Del.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 Gasket Engineering Co., 2440 Charlotte St., Kansas City 8, Mo.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 General Ceramics & Steatite Corp., Keasbey, N. J.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
INSULATION MFRS. CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
 Kirchberger & Co., Inc., M., 1425 37th St., Brooklyn 18, N. Y.
 Lamicoid Fabricators, Inc., 4545 Cortland St., Chicago 39, Illinois
 Martindale Electric Co., Box 617, Edgewater Branch, Cleveland 7, Ohio
 Mica Insulator Co., Schenectady 1, N. Y.
 Micacraft Products Inc., 701 McCarter Highway, Newark 5, N. J.
 Moore Co., Howard J., 108 Park Row, New York 7, N. Y.
MYCALEX CORP. OF AMERICA, 60 Clifton Blvd., Clifton, N. J. SEE ADV. PGS. 124, 125.
 Mykroy, Inc., Arlington Heights Airport, Arlington Heights, Ill.
 National Gasket & Washer Mfg. Co., 122 E. 25th St., New York 10, N. Y.
NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. SEE ADV. PG. 31.
 Parisian Novelty Co., 3510 South Western Ave., Chicago 9, Ill.
 Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Philadelphia 44, Pa.
 Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
 Plastcraft Products Co., 20 Hudson St., New York 13, N. Y.
 Precision Fabricators, Inc., Roosevelt Rd., E. Rochester, N. Y.
 Printloid Inc., 95 Mercer St., New York, N. Y.
 Quadriga Mfg. Co., 213 W. Grand Ave., Chicago 11, Ill.
 Rogan Bros., 2500 W. Irving Pk., Chicago 18, Ill.
 Rogers Corp., Manchester, Connecticut
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Spaulding Fibre Co., Inc., 310 Wheeler St., Tonawanda, N. Y.
 Star Porcelain Co., 61 Muirhead Ave., Trenton 9, N. J.
 Stronghold Screw Products Inc., 216-222 W. Hubbard St., Chicago 10, Ill.
STUPAKOFF CERAMIC & MFG. CO., Latrobe, Pa. SEE ADV. PG. 78.
SWITCHCRAFT, INC., 1328-30 N. Halsted St., Chicago 22, Ill. SEE ADV. PG. 231.
 Synco Products Co., Malden, Mass.
 Synthane Corp., Oaks, Pa.
 Tar Heel Mica Co., Plumtree, N. C.
 Taylor Fibre Co., Norristown, Pa.
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
 Waterbury Companies, Inc., Waterbury 90, Conn.
 Willard's, Hampden, Mass.
 Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington 99, Del.

WASHERS—Lock

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
ALLMETAL SCREW PRODUCTS CO., INC., 33 Greene St., New York 13, N. Y. SEE ADV. PG. 32.
 American Nut & Bolt Fastener Co., 2045 Doerr St., Pittsburgh 12, Pa.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 Garrett Co., Inc., G. K., 1421 Chestnut St., Phila. 2, Pa.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Harper Co., H. M., 2620 Fletcher St., Chicago 18, Ill.
 Hobbs Mfg. Co., 26 Salisbury St., Worcester, Mass.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.

Lambert Mfg. Co., 639 W. 12th St., Erie, Pa.
 Lamson & Sessions Co., 1971 W. 85th St., Cleveland, Ohio
 Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
 National Lock Washer Co., 40 Hermon St., Newark 5, N. J.
 New England Screw Co., Keene, New Hampshire
 Penn-Union Electric Corp., 315 State Street, Erie, Pa.
 Philadelphia Steel & Wire Corp., Penn St. & Belfield Avenue, Philadelphia, Pa.
 Positive Lock Washer Co., 181 Miller St., Newark, N. J.
 St. Louis Screw & Bolt Co., 6900 Broadway, St. Louis 15, Mo.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Cal.
 Shakeproof, Inc., Div. of Illinois Tool Wks., 2501 N. Keeler Ave., Chicago 39, Ill.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
 Standard Locknut & Lockwasher, Inc., 118 W. St. Clair St., Indianapolis 4, Ind.
 Sterling Bolt Co., 209 W. Jackson Blvd., Chicago 6, Ill.
 Stronghold Screw Products, Inc., 216-222 West Hubbard St., Chicago 10, Ill.
 Thompson-Bremer & Co., 1640 W. Hubbard St., Chicago, Ill.
 United Screw & Bolt Corp., 2513 W. Cullerton St., Chicago 8, Ill.
 Wrought Washer Mfg. Co., 2264 S. Bay St., Milwaukee 7, Wis.

WASHERS—Metal

Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
ALLMETAL SCREW PRODUCTS CO., INC., 33 Greene St., New York 13, N. Y. SEE ADV. PG. 32.
 American Nut & Bolt Fastener Co., 2045 Doerr St., Pittsburgh 12, Pa.
ART-LLOYD METAL PRODUCTS CORP., 2973 Croysey Ave., Brooklyn 14, N. Y. SEE ADV. PG. 174.
 Auburn Mfg. Co., Middletown, Conn.
 Bound Brook Oil-Less Bearing Co., Bound Brook, N. J.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Chicago Expansion Bolt Co., 1338 W. Concord Pl., Chicago 22, Ill.
 Continental Screw Co., New Bedford, Mass.
 Corbin Screw Div., Amer. Hardware Corp., High, Myrtle & Grove Sts., New Britain, Conn.
 Federal Screw Products Co., 224 W. Huron St., Chicago 10, Ill.
 Franklin Mfg. Corp., A. W., 43-20 34th St., Long Island City, N. Y.
 Fryling Mfg. Co., 639 W. 12th St., Erie, Pa.
 Garrett Co., Inc., G. K., 1421 Chestnut St., Phila. 2, Pa.
 General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.
 Greene Mfg. Corp., G. G., Warren, Pa.
 Harper Co., H. M., 2620 Fletcher Ct., Chicago 18, Ill.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
 Hubbard Spring Co., M. D., Central Ave., Pontiac, Mich.
INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y. SEE ADV. PG. 80.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 La Magna Mfg. Co., Inc., East Rutherford, N. J.
 Lamson & Sessions Co., 1971 W. 85th St., Cleveland, Ohio
 Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
 National Gasket & Washer Mfg. Co., 122 E. 25th St., New York 10, N. Y.
 Penn Fibre & Specialty Co., 2030 E. Westmoreland St., Phila. 44, Pa.
 Pheoll Mfg. Co., 5700 Roosevelt Rd., Chicago 50, Ill.
 Precision Fabricators, Inc., Roosevelt Rd., E. Rochester, N. Y.
 Quadriga Mfg. Co., 213 W. Grand Ave., Chicago 11, Ill.

Sheffco Mfg. Co., 116 W. Ruby Ave., Palisades Park, N. J.
 St. Louis Screw & Bolt Co., 6900 Broadway, St. Louis 15, Mo.
 Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
 Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
STAVEL CO., INC., 91 Pearl St., Brooklyn 1, N. Y. SEE ADV. PG. 188.
 Sterling Bolt Co., 209 W. Jackson Blvd., Chicago 6, Ill.
 Stimpson Co., Inc., Edwin B., 74 Franklin Ave., Brooklyn 5, N. Y.
 Stronghold Screw Products, Inc., 216-222 West Hubbard St., Chicago 10, Ill.
SWITCHCRAFT, INC., 1328-30 N. Halsted St., Chicago 22, Ill. SEE ADV. PG. 231.
 United Screw & Bolt Co., 2513 W. Cullerton St., Chicago 8, Ill.
 Wrought Washer Mfg. Co., 2264 S. Bay St., Milwaukee 7, Wis.

WATTMETERS

Associated Research, Inc., 3758 W. Belmont, Chicago 18, Ill.
BIRD ELECTRONIC CORP., 1800 E. 38th St., Cleveland 14, Ohio. SEE ADV. PG. 217.
 Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
ELECTRO-TECH EQUIPMENT CO., 117 Lafayette St., New York 13, N. Y. SEE ADV. PG. 181.
 Esterline-Angus Co., Inc., P. O. Box 596, Indianapolis, Ind.
 Fluke Engineering Co., John, Box 755, Springdale, Conn.
GENERAL ELECTRIC CO., Schenectady 5, N. Y. SEE ADV. PGS. 5-18.
 Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.
 Heath Co., Benton Harbor, Mich.
JONES ELECTRONICS CO., M. C., 96 North Main St., Bristol, Conn. SEE ADV. PG. 184.
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Norton Electrical Instrument Co., 59 Hilliard St., Manchester, Conn.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Rawson Electrical Instrument Co., Inc., 110 Potter St., Cambridge 42, Mass.
 Reliance Instrument Co., 3027 W. Van Buren St., Chicago 12, Ill.
 Roller-Smith, Bethlehem, Pa.
 Rollin Co., 2070 N. Fair Oaks Ave., Pasadena 3, Calif.
 Sensitive Research Instrument Corporation, 9 Elm Ave., Mt. Vernon, N. Y.
 Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.
SPERRY GYROSCOPE CO., Div. of Sperry Corp., Great Neck, N. Y. SEE ADV. PGS. 51, 52.
 Triplett Electrical Instrument Co., 286 Harmon Road, Bluffton, Ohio
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.
WESTON ELECTRICAL INSTRUMENT CORP., 618 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 193.

WAVEGUIDES—Combination Rigid & Flexible

Technicraft Laboratories, Inc., Box 1908, Waterbury, Conn.

WAVEGUIDES—Flexible

AIRTRON, INC., 101 E. Elizabeth Ave., Linden, N. J. SEE ADV. PG. 146.
 DeMornay-Budd, Inc., 475 Grand Concourse, New York 51, N. Y.
 Hammarlund Mfg. Co., 460 W. 34th St., New York 1, N. Y.
 Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
 Microwave Equipment Co., North Caldwell, N. J.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Selector Industries, Inc., 401 E. 138th St., New York 54, N. Y.

Technicraft Laboratories, Inc., Box 1908, Waterbury, Conn.
TITEFLEX, INC., 500 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 231.
 Waveguide Mfg. & Equipment Co., Inc., 190-A Duane St., New York, N. Y.

WAVEGUIDES—Rigid

AIRTRON, INC., 101 E. Elizabeth Ave., Linden, N. J. SEE ADV. PG. 146.
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
 DeMornay-Budd, Inc., 475 Grand Concourse, New York 51, N. Y.
 Diamond Instrument Co., North Ave., Wakefield, Mass.
 Eastern Metals Industries, 250 W. 54th St., New York 19, N. Y.
 Gorham Co., Bronze Div., Providence 7, R. I.
 Hammarlund Mfg. Co., 460 W. 34th St., New York 1, N. Y.
 Industrial Products Co., Danbury, Conn.
 Kent Co., F. C., 64-72 Howard St., Irvington, N. J.
 Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
 Microwave Equipment Co., North Caldwell, N. J.
 Network Mfg. Corp., Bayonne, N. J.
POLYTECHNIC RESEARCH & DEVELOPMENT CO., INC., 66 Court St., Brooklyn 2, N. Y. SEE ADV. PG. 63.
 Premier Instrument Corp., 52 W. Houston St., New York 12, N. Y.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
 Rice's Sons, Inc., Bernard, 325 Fifth Ave., New York 16, N. Y.
 Schutter, Carl W., Rockville Centre, N. Y.
 Selector Industries, Inc., 401 E. 138th St., New York 54, N. Y.
 Technicraft Laboratories, Inc., Box 1908, Waterbury, Conn.
TITEFLEX, INC., 500 Frelinghuysen Ave., Newark 5, N. J. SEE ADV. PG. 231.
 Waveguide Mfg. & Equipment Co., Inc., 190-A Duane St., New York, N. Y.

WAXES

See Insulating Compounds

WEDGES—Wood Slot

B-P Specialties Works, Third National Bldg., Dayton 2, Ohio
INSULATION MFERS. CORP., 565 W. Washington Blvd., Chicago 6, Ill. SEE ADV. PG. 137.
MITCHELL-RAND INSULATION CO., INC., 51 Murray St., New York 7, N. Y. SEE ADV. PG. 54.

WELDERS—Electronic Controlled

DoAll Co., 254 N. Laurel Ave., Des Plaines, Ill.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
 Eutectic Welding Alloys Corp., 40 Worth St., New York 13, N. Y.
 Progressive Welder Co., 3050 E. Outer Dr., Detroit, Mich.
RAYTHEON MFG. CO., Equipment Sales Div., Waltham 54, Mass. SEE ADV. PG. 55.
 Sciakly Bros., 4915 W. 67th St., Chicago 38, Ill.
 Sheffield Corp., The, Dayton 1, Ohio
 Vangtronic Corp., The, 237 John St., Bridgeport 3, Conn.

WINDING MACHINES, COIL

See Coil Winding Machines

WIRE—Aluminum

Aluminum Co. of America, Gulf Bldg., Pittsburgh, Pa.
 Hazard Insulated Wire Works Div., The, Okonite Co., Wilkes Barre, Pa.
 North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.

Permanente Products Co., Inc., 1924 Broadway, Oakland 12, Calif.
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.

WIRE—Annunciator

Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Electric Cable Co., Holyoke, Mass.
 American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio
 Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
 Birnbach Radio Co. Inc., 145 Hudson St., New York, N. Y.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
CORNISH WIRE CO., 15 Park Row, New York 7, N. Y. SEE ADV. PG. 24.
 Diamond Wire & Cable Co., Sycamore, Ill.
 Federal Wire & Cable Corp., Haverstraw, N. Y.
 Goldmark Wire Co., James, The, 75 Murray St., New York 7, N. Y.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Plastic Wire & Cable Corp., Jewett City, Conn.
 Plastoid Corp., 10 Mill Rd., Hamburg, N. J.
 Roebing's Sons Co., John A., 640 Broad St., Trenton 2, N. J.
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
 Western Insulated Wire Co., 1001 E. 62nd St., Los Angeles 1, Calif.

WIRE—Antenna

Acme Wire Co., New Haven 14, Conn.
 Alloy Metal Wire Co., Prospect Pk. (Moore Sta.), Pa.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Electric Cable Co., Holyoke, Mass.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
 Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Brach Mfg. Co., L. S., 200 Central Ave., Newark, N. J.
BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
CORNISH WIRE CO., 15 Park Row, New York 7, N. Y. SEE ADV. PG. 24.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 Essex Wire Corp., 1601 Wall St., Ft. Wayne 6, Ind.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Federal Wire & Cable Corp., Haverstraw, N. Y.
 Flexo Wire Co., Inc., 70 W. First St., Oswego, N. Y.
 General Cable Corp., 420 Lexington Ave., New York, N. Y.
HUDSON WIRE CO., Winsted Div., Winsted, Conn. SEE ADV. PG. 202.
 J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Johnson Co., E. F., Waseca, Minn.
 New England Electrical Works, Inc., Lisbon, N. H.
 Phalo Plastics Corp., 25 Foster St., Worcester 8, Mass.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Plastic Wire & Cable Corp., Jewett City, Conn.
 Plastoid Corp., 10 Mill Rd., Hamburg, N. J.
 Roebing's Sons Co., John A., 640 Broad St., Trenton 2, N. J.
 Technical Appliance Corp., Sherbourne, N. Y.
 Wilson Co., H. A., The, 105 Chestnut St., Newark 5, N. J.

WIRE—Asbestos Insulated

Accurate Insulated Wire Corp., 25 Fox St., New Haven, Conn.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio
 Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
 Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Collyer Insulated Wire Co., 249 Roosevelt Ave., Pawtucket, R. I.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Cords Ltd., 780 Frelinghuysen Ave., Newark 5, N. J.
 Cossor (Canada), Ltd., 301-301 Windsor St., Halifax, N. S., Canada
 Diamond Wire & Cable Co., Sycamore, Ill.
 Federal Wire & Cable Corp., Haverstraw, N. Y.
 General Cable Corp., 420 Lexington Ave., New York, N. Y.
GENERAL ELECTRIC CO., Construction Materials Dept., Bridgeport, Conn. SEE ADV. PGS. 5-18.
 Inductive Equipment Co., Gettysburg, Pa.
 Okonite Co., Canal St., Passaic, N. J.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Roebbing's Sons Co., John A., 640 Broad St., Trenton 2, N. J.
 Rockbestos Products Corp., 308 Nicoll St., New Haven 4, Conn.
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
 Western Insulated Wire Co., 1001 E. 62nd St., Los Angeles 1, Calif.

WIRE—Ceramic Insulated

Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Sprague Electric Co., North Adams, Mass.

WIRE—Copper

Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Brass Co., Waterbury 88, Conn.
 American Electric Cable Co., Holyoke, Mass.
 American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio
 Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Carol Cable Co., 190 Middle St., Pawtucket, R. I.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Cords Ltd., 780 Frelinghuysen Ave., Newark 5, N. J.
CORNISH WIRE CO., 15 Park Row, New York 7, N. Y. SEE ADV. PG. 24.
 Diamond Wire & Cable Co., Sycamore, Ill.
 Electric Auto-Lite Co., The, Toledo 1, Ohio
 Essex Wire Corp., 1601 Wall St., Ft. Wayne 6, Ind.
 Federal Wire & Cable Corp., Haverstraw, N. Y.
 Flexo Wire Co., Inc., 70 W. First St., Oswego, N. Y.
 General Cable Corp., 420 Lexington Ave., New York, N. Y.
 Goldmark Wire Co., James, 75 Murray St., New York 7, N. Y.
HUDSON WIRE CO., Winsted Div., Winsted, Conn. SEE ADV. PG. 202.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Nonotuck Mfg. Co., Holyoke, Mass.
 North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Revere Copper & Brass, Inc., 230 Park Ave., New York 17, N. Y.
 Roebbing's Sons Co., John A., 640 Broad St., Trenton 2, N. J.
ROME CABLE CORP., 330 Ridge St., Rome, N. Y. SEE ADV. PG. 38.

WIRE—Copper Insulated

Accurate Insulated Wire Corp., 25 Fox St., New Haven, Conn.
 Acme Wire Co., New Haven 14, Conn.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Electric Cable Co., Holyoke, Mass.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio
 Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
 Ansonia Electrical Co., 63 Main St., Ansonia, Conn.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.
BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
 Carol Cable Co., 190 Middle St., Pawtucket, R. I.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Collyer Insulated Wire Co., 249 Roosevelt Ave., Pawtucket, R. I.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Cords Ltd., 780 Frelinghuysen Ave., Newark 5, N. J.
CORNISH WIRE CO., 15 Park Row, New York 7, N. Y. SEE ADV. PG. 24.
 Diamond Wire & Cable Co., Sycamore, Ill.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 Electric Auto-Lite Co., The, Toledo 1, Ohio
 Essex Wire Corp., 1601 Wall St., Ft. Wayne 6, Ind.
 Federal Wire & Cable Corp., Haverstraw, N. Y.
 General Cable Corp., 420 Lexington Ave., New York, N. Y.
GENERAL ELECTRIC CO., Construction Materials Dept., Bridgeport, Conn. SEE ADV. PGS. 5-18.
 General Insulated Wire Works, Inc., 69 Gordon Ave., Providence 5, R. I.
 Goldmark Wire Co., James, 75 Murray St., New York 7, N. Y.
 Hazard Insulated Wire Works Div., The, Okonite Co., Wilkes-Barre, Pa.
HUDSON WIRE CO., Winsted Div., Winsted, Conn. SEE ADV. PG. 202.
 Inductive Equipment Co., Gettysburg, Pa.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Lowell Insulated Wire Co., 171 Lincoln St., Lowell, Mass.
 New England Electrical Works, Inc., Lisbon, N. H.
 North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
 Okonite Co., Canal St., Passaic, N. J.
 Phalo Plastics Corp., 25 Foster St., Worcester 8, Mass.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Plastic Wire & Cable Corp., Jewett City, Conn.
 Plastoid Corp., 10 Mill Rd., Hamburg, N. J.
 Rhode Island Insulation Wire Co., Inc., 50 Burnham Ave., Cranston, R. I.
 Roebbing's Sons Co., John A., 640 Broad St., Trenton 2, N. J.
ROME CABLE CORP., 330 Ridge St., Rome, N. Y. SEE ADV. PG. 38.
 Simplex Wire & Cable Co., 79 Sidney St., Cambridge 39, Mass.
 Standard Telephones & Cables, Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Surprenant Mfg. Co., 199 Washington St., Boston 10, Mass.
 Tensolite Corp., The, 17 E. 42nd St., New York 17, N. Y.
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
 Western Insulated Wire Co., 1001 E. 62nd St., Los Angeles 1, Calif.
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.
 Whitaker Cable Corp., Kansas City 16, Mo.
 Whitney Blake Co., New Haven, Conn.

WIRE—Enameled

Acme Wire Co., New Haven 14, Conn.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio
 Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Driver Co., Wilbur B., 150 Riverside Ave., Newark, N. J.
DRIVER-HARRIS CO., 201 Middlesex St., Harrison, N. J. SEE ADV. PG. 43.
 Electric Auto-Lite Co., The, Toledo 1, Ohio
 Essex Wire Corp., 1601 Wall St., Ft. Wayne 6, Ind.
 General Cable Corp., 420 Lexington Ave., New York, N. Y.
 Goldmark Wire Co., James, 75 Murray St., New York 7, N. Y.
HUDSON WIRE CO., Winsted Div., Winsted, Conn. SEE ADV. PG. 202.
 Inductive Equipment Co., Gettysburg, Pa.
 Johnson Co., E. F., Waseca, Minn.
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
 Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
 National Molding Co., 2141 W. Washington Blvd., Los Angeles 7, Calif.
 New England Electrical Works, Inc., Lisbon, N. H.
 North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Rea Magnet Wire Co., E. Pontiac St., Fort Wayne, Ind.
 Roebbing's Sons Co., John A., 640 Broad St., Trenton 2, N. J.
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

WIRE—Fine Wire Specialties

Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Electric Cable Co., Holyoke, Mass.
 Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.
 Callite Tungsten Corp., 540 39th St., Union City, N. J.
 Cohn Corp., Sigmund, 44 Gold St., New York, N. Y.
 Flexo Wire Co., Inc., 70 W. First St., Oswego, N. Y.
 Goldmark Wire Co., James, 75 Murray St., New York 7, N. Y.
 Grammes & Sons, Inc., L. F., 389 Union St., Allentown 2, Pa.
HAYDU BROS., Plainfield, N. J. SEE ADV. PG. 209.
HUDSON WIRE CO., Winsted Div., Winsted, Conn. SEE ADV. PG. 202.
MAKEPEACE CO., D. E., Attleboro, Mass. SEE ADV. PG. 84.
 New England Electrical Works, Inc., Lisbon, N. H.
 North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Plastic Wire & Cable Corp., Jewett City, Conn.
 Secon Metals Corp., 228 E. 45th St., New York 17, N. Y.
 Sheffco Mfg. Co., 116 W. Ruby Ave., Palisades Park, N. J.
 Wickwire Spencer Steel Div., The, Colorado Fuel and Iron Corp., The, 500 Fifth Avenue, New York 18, N. Y.
 Wilson Co., H. A., The, 105 Chestnut St., Newark 5, N. J.

WIRE—Glass Insulated

Acme Wire Co., New Haven 14, Conn.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.

Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Electric Cable Co., Holyoke, Mass.
 American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio
 Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
 Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.
BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Diamond Wire & Cable Co., Sycamore, Ill.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
DRIVER-HARRIS CO., 201 Middlesex St., Harrison, N. J. SEE ADV. PG. 43.
 Electric Auto-Lite Co., The, Toledo 1, Ohio
 Essex Wire Corp., 1601 Wall St., Ft. Wayne 6, Ind.
 Federal Wire & Cable Corp., Haverstraw, N. Y.
 General Cable Corp., 420 Lexington Ave., New York, N. Y.
GENERAL ELECTRIC CO., Construction Materials Dept., Bridgeport, Conn. SEE ADV. PGS. 5-18.
HUDSON WIRE CO., Winsted Div., Winsted, Conn. SEE ADV. PG. 202.
 Okonite Co., Canal St., Passaic, N. J.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Plastoid Corp., 10 Mill Rd., Hamburg, N. J.
 Rockbestos Products Corp., 308 Nicoll St., New Haven 4, Conn.
 Roebing's Sons Co., John A., 640 Broad St., Trenton 2, N. J.
ROME CABLE CORP., 330 Ridge St., Rome, N. Y. SEE ADV. PG. 38.
 Surprenant Mfg. Co., 199 Washington St., Boston 10, Mass.
 Varflex Corp., N. Jay St., Rome, N. Y.
 Western Insulated Wire Co., 1001 E. 62nd St., Los Angeles 1, Calif.
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

WIRE—Guy

Alpha Wire Corp., 50 Howard St., New York 4, N. Y.
 American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Brach Mfg. Co., L. S., 200 Central Ave., Newark, N. J.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
CORNISH WIRE CO., 15 Park Row, New York 7, N. Y. SEE ADV. PG. 24.
 Flexo Wire Co., Inc., 70 W. First St., Oswego, N. Y.
 House of Television, 601 W. 26th St., New York, N. Y.
 Indiana Steel & Wire Co., 700 S. Council St., Muncie, Ind.
 Lowell Insulated Wire Co., 171 Lincoln St., Lowell, Mass.
 Roebing's Sons Co., John A., 640 Broad St., Trenton 2, N. J.
 Wickwire Spencer Steel Div., The Colorado Fuel & Iron Corp., 500 Fifth Ave., New York 18, N. Y.

WIRE—Hookup

Accurate Insulated Wire Corp., 25 Fox St., New Haven, Conn.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Electric Cable Co., Holyoke, Mass.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 54, Ill. SEE ADV. PG. 167.
 Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.

Ansonia Electrical Co., 63 Main St., Ansonia, Conn.
 Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.
BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
CORNISH WIRE CO., 15 Park Row, New York 7, N. Y. SEE ADV. PG. 24.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Diamond Wire & Cable Co., Sycamore, Ill.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Federal Wire & Cable Corp., Haverstraw, N. Y.
 General Cable Corp., 420 Lexington Ave., New York, N. Y.
 General Insulated Wire Works, Inc., 69 Gordon Ave., Providence 5, R. I.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 New England Electrical Works, Inc., Lisbon, N. H.
 Phalo Plastics Corp., 25 Foster St., Worcester 8, Mass.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Philadelphia Insulated Wire Co., 220 N. 3rd St., Philadelphia, Pa.
 Plastic Wire & Cable Corp., Jewett City, Conn.
 Plastoid Corp., 10 Mill Rd., Hamburg, N. J.
 Rhode Island Insulated Wire Co., Inc., 50 Burnham Ave., Cranston, R. I.
 Rockbestos Products Corp., 308 Nicoll St., New Haven 4, Conn.
ROME CABLE CORP., 330 Ridge St., Rome, N. Y. SEE ADV. PG. 38.
 Surprenant Mfg. Co., 199 Washington Street, Boston 10, Mass.
 Tensolite Corp., The, 17 E. 42nd St., New York 17, N. Y.
 U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.

WIRE—Litz

Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
 Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Essex Wire Corp., 1601 Wall St., Ft. Wayne 6, Ind.
 General Cable Corp., 420 Lexington Ave., New York, N. Y.
 Guthman, Inc., Edwin I., 15 S. Throop St., Chicago, Ill.
HUDSON WIRE CO., Winsted Div., Winsted, Conn. SEE ADV. PG. 202.
 Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.
 Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
 New England Electrical Works, Inc., Lisbon, N. H.
 Philadelphia Insulated Wire Co., 220 N. 3rd St., Philadelphia, Pa.
 Ross Mfg. Co., 860 Washington St., Burlington, Iowa
STEVENS MFG. CO., INC., GEO., 1850 Henderson St., Chicago, Ill. SEE ADV. PG. 232.
 Stevens Wire Insulating Co., 462 N. Parkside Ave., Chicago 44, Ill.
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

WIRE—Magnet

Acme Wire Co., New Haven 14, Conn.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio

Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
 Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Electric Auto-Lite Co., The, Toledo 1, Ohio
 Essex Wire Corp., 1601 Wall St., Ft. Wayne 6, Ind.
 General Cable Corp., 420 Lexington Ave., New York, N. Y.
GENERAL ELECTRIC CO., Construction Materials Dept., Bridgeport, Conn. SEE ADV. PGS. 5-18.
 Goldmark Wire Co., James, 75 Murray St., New York 7, N. Y.
 Guthman, Inc., Edwin I., 15 S. Throop St., Chicago, Ill.
HUDSON WIRE CO., Winsted Div., Winsted, Conn. SEE ADV. PG. 202.
 Inductive Equipment Co., Gettysburg, Pa.
 Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
 Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
 New England Electrical Works, Inc., Lisbon, N. H.
 North American Philips Co., Inc., 100 East 42nd St., New York 17, N. Y.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Philadelphia Insulated Wire Co., 220 N. 3rd St., Philadelphia, Pa.
 Rea Magnet Wire Co., Inc., E. Pontiac St., Fort Wayne, Ind.
 Rockbestos Products Corp., 308 Nicoll St., New Haven 4, Conn.
 Roebing's Sons Co., John A., 640 Broad St., Trenton 2, N. J.
ROME CABLE CORP., 330 Ridge St., Rome, N. Y. SEE ADV. PG. 38.
 Ross Mfg. Co., 860 Washington St., Burlington, Iowa
 Wheeler Insulated Wire Co., Inc., Waterbury 91, Conn.

WIRE—Molybdenum

Callite Tungsten Corp., 540 39th St., Union City, N. J.
 Cleveland Tungsten, Inc., 10200 Meech Ave., Cleveland, Ohio
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., North Chicago, Ill. SEE ADV. PG. 29.
 North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.

WIRE—Nickel Clad Copper

Alloy Metal Wire Co., Prospect Pk. (Moore Sta.), Pa.
 Callite Tungsten Corp., 540 39th St., Union City, N. J.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Wilson Co., E. A., The, 105 Chestnut St., Newark 5, N. J.

WIRE—Phosphor Bronze

Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Brass Co., Waterbury 88, Conn.
 American Electric Cable Co., Holyoke, Mass.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Callite Tungsten Corp., 540 39th St., Union City, N. J.
 Chase Brass and Copper Co., Inc., Waterbury 91, Conn.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Flexo Wire Co., Inc., 70 W. First St., Oswego, N. Y.
 General Cable Corp., 420 Lexington Ave., New York, N. Y.

HUDSON WIRE CO., Winsted Div., Winsted, Conn. SEE ADV. PG. 202.
 Little Falls Alloys, Inc., 189 Caldwell Ave., Paterson 1, N. J.
 Phosphor Bronze Corp., 2200 Washington Ave., Philadelphia 46, Pa.
 Revere Copper & Brass, Inc., 230 Park Ave., New York 17, N. Y.
 Riverside Metal Co., Riverside, N. J.

WIRE—Plastic Insulated

Accurate Insulated Wire Corp., 25 Fox St., New Haven, Conn.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Electric Cable Co., Holyoke, Mass.
AMERICAN PHENOLIC CORP., 1830 S. 54th Ave., Chicago 50, Ill. SEE ADV. PG. 167.
 American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio
 Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
ANCHOR PLASTICS CO., INC., 533-541 Canal St., New York 13, N. Y. SEE ADV. PG. 200.
 Ansonia Electrical Co., 63 Main St., Ansonia, Conn.
 Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.
BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.
 Carol Cable Co., 190 Middle St., Pawtucket, R. I.
 Collyer Insulated Wire Co., 249 Roosevelt Ave., Pawtucket, R. I.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Cords, Ltd., 780 Frelinghuysen Ave., Newark 5, N. J.
CORNISH WIRE CO., 15 Park Row, New York 7, N. Y. SEE ADV. PG. 24.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Diamond Wire & Cable Co., Sycamore, Ill.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 Electric Auto-Lite Co., Inc., Toledo 1, Ohio
 Essex Wire Corp., 1601 Wall St., Ft. Wayne 6, Ind.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Federal Wire & Cable Corp., Haverstraw, N. Y.
 General Cable Corp., 420 Lexington Ave., New York, N. Y.
GENERAL ELECTRIC CO., Construction Materials Dept., Bridgeport, Conn. SEE ADV. PGS. 5-18.
 General Insulated Wire Works, Inc., 69 Gordon Ave., Providence 5, R. I.
 Hazard Insulated Wire Works Div., The Okonite Co., Wilkes-Barre Pa.
HUDSON WIRE CO., Winsted Div., Winsted, Conn. SEE ADV. PG. 202.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Lowell Insulated Wire Co., 171 Lincoln St., Lowell, Mass.
 National Molding Co., 2141 W. Washington Blvd., Los Angeles 7, Calif.
 Okonite Co., Canal St., Passaic, N. J.
 Phalo Plastics Corp., 25 Foster St., Worcester 8, Mass.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Philadelphia Insulated Wire Co., 220 N. 3rd St., Philadelphia, Pa.
 Plastic Wire & Cable Corp., Jewett City, Conn.
 Plastoid Corp., 10 Mill Rd., Hamburg, N. J.
 Rhode Island Insulated Wire Co., Inc., 50 Burnham Ave., Cranston, R. I.
 Rockbestos Products Corp., 308 Nicoll St., New Haven 4, Conn.
 Roebling's Sons Co., John A., 640 Broad St., Trenton 2, N. J.
ROME CABLE CORP., 330 Ridge St., Rome, N. Y. SEE ADV. PG. 38.

Simplex Wire & Cable Co., 79 Sidney St., Cambridge 39, Mass.
 Sprague Electric Co., North Adams, Mass.
 Standard Telephones & Cables, Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Surprenant Mfg. Co., 199 Washington St., Boston 10, Mass.
 Tensolite Corp., The, 17 E. 42nd St., New York 17, N. Y.
U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
 Whitney Blake Co., New Haven, Conn.

WIRE—Platinum

Cohn Corp., Sigmund, 44 Gold St., New York, N. Y.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
 Goldsmith Bros. Smelting & Refining Co., 109 N. Wabash Ave., Chicago, Ill.
NEY CO., J. M., 179 Elm St., Hartford, Conn. SEE ADV. PG. 56.
 Richards Co., Inc., Arklay S., 78 Winchester St., Newton Highlands 61, Mass.
 Secon Metals Corp., 228 E. 45th St., New York 17, N. Y.
 Thwing-Albert Instrument Co., 5351 Pulaski Ave., Philadelphia 44, Pa.
 Tricon Mfg. Co., 8318 S. Racine Ave., Chicago, Ill.
 Wildberg Bros. Smelting & Refining Co., 742 Market St., San Francisco 2, Calif.
 Wilson Co., H. A., The, 105 Chestnut St., Newark 5, N. J.

WIRE—Resistance and Filament

Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Alloy Metal Wire Co., Prospect Pk. (Moore Sta.), Pa.
 Cohn Corp., Sigmund, 44 Gold St., New York, N. Y.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
 Driver Co., Wilbur B., 150 Riverside Ave., Newark, N. J.
DRIVER-HARRIS CO., 201 Middlesex St., Harrison, N. J. SEE ADV. PG. 43.
 Eagle Electric Mfg. Co., Inc., 23-10 Bridge Plaza S., Long Island City, N. Y.
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
 Goldmark Wire Co., James, 75 Murray St., New York 7, N. Y.
 Hoskins Mfg. Co., 4445 Lawton Ave., Detroit 8, Mich.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
JELLIFF MFG. CORP., C. O., 200 Pequot Ave., Southport, Conn. SEE ADV. PG. 102.
 Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
 North American Phillips Co., 100 E. 42nd St., New York 17, N. Y.
 Sprague Electric Co., North Adams, Mass.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.

WIRE—Shielded

Accurate Insulated Wire Corp., 25 Fox St., New Haven, Conn.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 American Electric Cable Co., Holyoke, Mass.
 American Steel & Wire Co., U. S. Steel Corp. Sub., Rockefeller Bldg., Cleveland 13, Ohio
 Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
 Ansonia Electrical Co., 63 Main St., Ansonia, Conn.
 Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.
BRAND & CO., WM., 276 Fourth Ave., New York 10, N. Y. SEE ADV. PGS. 92, 93.

Carol Cable Co., 190 Middle St., Pawtucket, R. I.
 Collyer Insulated Wire Co., 249 Roosevelt Ave., Pawtucket, R. I.
 Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
 Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Ill.
CORNISH WIRE CO., 15 Park Row, New York 7, N. Y. SEE ADV. PG. 24.
 Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada
 Diamond Wire & Cable Co., Sycamore, Ill.
 Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.
 Elliot Mfg. Co., 218 Prospect Ave., Binghamton, N. Y.
 Essex Wire Corp., 1601 Wall St., Fort Wayne 6, Ind.
FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Rd., Clifton, N. J. SEE ADV. PGS. 129, 131, 133, 135.
 Federal Wire & Cable Corp., Haverstraw, N. Y.
 General Cable Corp., 420 Lexington Ave., New York, N. Y.
GENERAL ELECTRIC CO., Construction Materials Dept., Bridgeport, Conn. SEE ADV. PGS. 5-18.
 General Insulated Wire Works, Inc., 69 Gordon Ave., Providence 5, R. I.
J. F. D. MFG. CO., 6101-23 Sixteenth Ave., Brooklyn, N. Y. SEE ADV. PG. 112.
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
 New England Electrical Works, Inc., Lisbon, N. H.
 Okonite Co., Canal St., Passaic, N. J.
 Phalo Plastics Corp., 25 Foster St., Worcester 8, Mass.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
 Philadelphia Insulated Wire Co., 220 N. 3rd St., Philadelphia, Pa.
 Plastoid Corp., 10 Mill Rd., Hamburg, N. J.
 Precision Tube Co., Inc., 3828 Terrace St., Philadelphia 28, Pa.
 Rome Cable Corp., 330 Ridge St., Rome, N. Y.
 Simplex Wire & Cable Co., 79 Sidney St., Cambridge 39, Mass.
 Standard Telephones & Cables Ltd., Connaught House, Aldwych, London, W. C. 2, England
 Surprenant Mfg. Co., 199 Washington St., Boston 10, Mass.
 Tensolite Corp., The, 17 E. 42nd St., New York 17, N. Y.
 Uniform Tubes, Shurs Lane & Lauriston St., Roxborough, Phila., Pa.
 Western Insulated Wire Co., 1001 E. 62nd St., Los Angeles 1, Calif.
 Whitney Blake Co., New Haven, Conn.

WIRE—Silver Plated

Cohn Corp., Sigmund, 44 Gold St., New York, N. Y.
 Flexo Wire Co., Inc., 70 W. First St., Oswego, N. Y.
GENERAL PLATE DIV., Metals & Controls Corp., Attleboro, Mass. SEE ADV. PG. 149.
HUDSON WIRE CO., Winsted Div., Winsted, Conn. SEE ADV. PG. 202.
 Little Falls Alloys, Inc., 189 Caldwell Ave., Paterson 1, N. J.
MAKEPEACE CO., D. E., Attleboro, Mass. SEE ADV. PG. 84.
 North American Philips Co., 100 E. 42nd St., New York 17, N. Y.
 Wilson Co., H. A., The, 105 Chestnut St., Newark 5, N. J.

WIRE—Stainless Steel

Allegheny Ludlum Steel Corp., Pittsburgh 22, Pa.
 Alloy Metal Wire Co., Prospect Pk. (Moore Sta.), Pa.
 American Steel & Wire Co., U. S. Steel Corp. Subs., Rockefeller Bldg., Cleveland 13, Ohio
 Carpenter Steel Co., The, 142 West Bern St., Reading, Pa.
 Crucible Steel Co. of America, 405 Lexington Ave., New York 17, N. Y.
 Driver Co., Wilbur B., 150 Riverside Ave., Newark, N. J.

DRIVER-HARRIS CO., 201 Middlesex St., Harrison, N. J. SEE ADV. PG. 43.
Electric Auto-Lite Co., Inc., Toledo 1, Ohio
HUDSON WIRE CO., Winsted Div., Winsted, Conn. SEE ADV. PG. 202.
North American Philips Co., Inc., 100 E 42nd St., New York 17, N. Y.
Republic Steel Corp., Republic Building, Cleveland 1, Ohio

WIRE—Tungsten

Callite Tungsten Corp., 540 39th St., Union City, N. J.
Cleveland Tungsten, Inc., 10200 Meech Ave., Cleveland, Ohio
EISLER ENGINEERING CO., INC., 740 S. 13th St., Newark 3, N. J. SEE ADV. PG. 128.
FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., North Chicago, Ill. SEE ADV. PG. 29.
Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.
North American Phillips Co., 100 E. 42nd St., New York 17, N. Y.
RADIO CORP. OF AMERICA, RCA Victor Div., Front & Cooper Sts., Camden, N. J. SEE ADV. PGS. 197, Inside Back and Back Covers.
SYLVANIA ELECTRIC PRODUCTS, INC., 500 5th Ave., New York 18, N. Y. SEE ADV. PGS. 240-244.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

WIRE RECORDER ASSEMBLIES

Air King Products Co., Inc., 170 53rd St., Brooklyn, N. Y.

Aurex Corp., 1117 N. Franklin St., Chicago, Ill.
AVIOMETER DIV. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y. SEE ADV. PG. 206.
BRUSH DEVELOPMENT CO., THE, 3405 Perkins Ave., Cleveland 14, Ohio. SEE ADV. PGS. 168, 169.
Electronic Systems Co., 201 N. Wells Ave., Chicago 1, Ill.
Lear, Inc., 110 Ionia Ave., N.W., Grand Rapids 2, Mich.
Magnecord, Inc., 360 N. Michigan Ave., Chicago 1, Ill.
Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Phila., Pa.
Precision Audio Products, Inc., 1133 Broadway, New York 10, N. Y.
Rowe Industries, 1702 Wayne St., Toledo 9, Ohio

WOOFERS

See Loudspeakers

X-RAY EQUIPMENT—Industrial

Central Research Laboratories, Inc., Red Wing, Minn.
Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.
du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.
General Electric X-Ray Corp., 4855 W. McGeoch Ave., Milwaukee, Wis.
High Voltage Engineering Corp., 7 University Rd., Cambridge 38, Mass.
North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.

Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.
Peerless X-Ray Labs. & Mfg. Corp., 467 10th Ave., New York 18, N. Y.
Picker X-Ray Corp., 300 Fourth Ave., New York 10, N. Y.
St. John X-Ray Laboratory, Califon, N. J.
Standard Electronics Research Corp., 2 East End Ave., New York 21, N. Y.
Triplet & Barton, Inc. 831 N. Lake St., Burbank, Calif.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

X-RAY EQUIPMENT—Medical

du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Del.
General Electric X-Ray Corp., 4855 W. McGeoch Ave., Milwaukee, Wis.
High Voltage Engineering Corp., 7 University Rd., Cambridge 38, Mass.
Liebel-Flarsheim Co., 303 W. Third St., Cincinnati 2, Ohio
North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.
Peerless X-Ray Labs. & Mfg. Corp., 467 10th Ave., New York 18, N. Y.
Picker X-Ray Corp., 300 Fourth Ave., New York 10, N. Y.
Radiation Counter Laboratories, Inc., 1844 West 21st St., Chicago 8, Ill.
WESTINGHOUSE ELECTRIC CORP., P. O. Box 868, Pittsburgh 30, Pa. SEE ADV. PGS. 66, 67.

TRADE NAME INDEX

The following list, provided by manufacturers, comprises the registered trade names of products in or related to the electronic field. It is intended for use in determining the manufacturer's name when only a trade name is known. Addresses can be obtained by referring to the Manufacturers Index on page D-191.

Only coined trade names are listed, as it was deemed unnecessary to include a company name, even though it was a registered trade name, inasmuch as the manufacturer's identity was immediately apparent.

- "A" NICKEL**
International Nickel Co., Inc.
- A & A**
Electriccoil Coil Winding Co.
- ACA**
Amplifier Corp. of America
- ACCWIRE**
Accurate Insulated Wire Corp.
- AC-2**
Automatic Signal Div.
Eastern Industries, Inc.
- ACE**
American Hard Rubber Co.
- ACE**
Crosley Corp.
- ACME-MOLD**
Acme Wire Co.
- ACOUSTEEL**
The Celotex Corp.
- ACOUSTICEL**
Brush Development Co.
- ACOUSTIFIBRE**
National Gypsum Co.
- ACOUSTI-CELOTEX**
The Celotex Corp.
- ACOUSTIMETAL**
National Gypsum Co.
- ACOUSTONE**
United States Gypsum Co.
- ACRAWAX C**
Glyco Products Co., Inc.
- ACROCEL**
Acromark Co.
- ACROCUT**
Acromark Co.
- ACRO-ETCH**
Acromark Co.
- ACROGRAVE**
Acromark Co.
- ACROFLEX**
Anchor Plastics Co., Inc.
- ACRO-INK**
Acromark Co.
- ACROMARKER**
Acromark Co.
- ACRO PLAC**
Acromark Co.
- ACRO-PRINTER**
Acromark Co.
- ACROSNAP**
Acro Electric Co.
- ACROSOUND**
Acro Products Co.
- ACROTOOL**
Acromark Co.
- ACROVISION**
Acro Products Co.
- ACRYWELD**
American Phenolic Corp.
- ACRYLOID**
Rohm & Haas Co.
- ACTIVAPOR**
Airadio Inc.
- ACTRON**
Radionic Transformer Co.
- ADAPTORS**
ABC Radio Labs
- ADC**
Audio Development Co.
- ADJUSTOHM**
Ward Leonard Electric Co.
- ADJUST-A-CONE**
Quam Nichols Co.
- ADJUST-A-VOLT**
Standard Electrical Products Co.
- ADLAKE**
Adams & Westlake Co.
- ADVANCE**
Driver-Harris Co.
- AECO**
American Elec. Cable Co.
- AERIOTRON**
Westinghouse Electric Corp.
- AEROCOM**
Aeronautical Communications Equipment Co.
- AERO COMMUNICATION**
Erie Radio Labs., Inc.
- AERO-GUN**
Shallercross Mfg. Co.
- AEROLENE**
Aerovox Corp.
- AERO-MAGNETTE**
Heinemann Electric Co.
- "AERONAUT" PRODUCTS**
Aeronautical Radio Mfg. Co.
- AEROPOINT**
Aero Needle Co.
- AERO SEAL**
Breeze Corpn., Inc.
- AERO-THREAD**
Aircraft Screw Products Co., Inc.
- AEROTROL**
Cook Electric Co.
- AGASTAT**
American Gas Accumulator Co.
- AGWADAG**
Acheson Colloids Corp.
- AICO**
American Insulator Corp.
- AIDEX**
Aldine Paper Co., Inc.
- AIDRITE**
Aldine Paper Co., Inc.,
- AIRACOUSTIC**
Johns-Manville Sales Corp.
- AIR-CHAMP**
E. A. M. Corp., The
- AIRCO**
Air Reduction Sales Co.
- AIR-COM**
Aeromotive Equipment Corp.
- AIRCORE**
Communication Products Co., Inc.
- AIRFONE**
Electronic Specialty Co.
- AIR INDUCTORS**
Barker & Williamson
- AIR-LOOP**
Franklin Mfg. Corp., A. W.
- AIR-O-LINE**
Brown Instrument Co.
- AIR-RAY**
Edin Electronics Co.
- AJAX**
Sherwin-Williams Co.
- AKRA-OHM**
Shallercross Mfg. Co.
- ALABAX**
Pass & Seymour, Inc.
- ALCOA**
Aluminum Company of America
- ALCROHM**
Magnetic Metals Co.
- ALDEX**
Aldine Paper Co.
- ALECO**
American Lens Co., Inc.
- ALFERON**
Driver-Harris Co.
- ALGCO**
Auburn Manufacturing Co.
- ALL-HYDRAULIC**
Hydraulic Press Mfg. Co.
- "ALL-RELAY"**
North Electric Mfg. Co.
- ALL-WEATHER RADIOGUIDE**
Radio Navigational Instrument Corp.
- ALMET**
Alloy Metal Wire Co.
- ALNOR**
Illinois Testing Labs., Inc.
- ALPHATRON**
Alpha Laboratories
- ALPHATRON**
National Research Corp.
- ALPO**
Standard Varnish Works
- ALRAY**
Alloy Metal Wire Co.
- ALROK**
Aluminum Co. of America
- ALSCO**
Automatic Switch Co.
- ALSILLOY**
Doehler-Jarvis Corp.
- ALSIMAG**
American Lava Corp.
- ALUMATREET**
Farrelloy Co.
- ALUMAWELD**
Johnson Mfg. Co., Inc.
- ALUMILITE**
Aluminum Co. of America
- ALUMON**
Enthone, Inc.
- ALUMOX**
Enthone, Inc.
- ALZAK**
Aluminum Co. of America
- AMINCO**
American Instrument Co.
- ALUMINUM OILITE**
Amplex Div.
Chrysler Corp.
- ALUNDUM**
Norton Co.
- AMAR-FLUX**
Ensign Industries, Inc.
- AMARON**
Ensign Industries, Inc.
- AMAR-WELD**
Ensign Industries, Inc.
- AMBERLITE**
Rohm & Haas Co.
- AMBEROL**
Rohm & Haas Co.
- AMBERYL**
Vaco Products Co.
- AMCO**
American Solder & Flux Co.
- AMCON**
American Condenser Co.
- AMECO**
American Electronics Corp.
- AMERBESTOS**
American Steel & Wire Co.,
U. S. Steel Corp., Sub.
- AMERCLAD**
American Steel & Wire Co.,
U. S. Steel Corp., Sub.
- AMERFLEX**
Marco Industries
- AMERFLEX**
Searle Aero Industries, Inc.
- AMERGLASS**
American Steel & Wire Co.
U. S. Steels Corp., Sub.
- AMERICAN**
Manning, Maxwell & Moore, Inc.

AMERICAN BEAUTY
 American Electrical Heater Co.
AMERICAN BRAND
 Snyder Mfg. Co.
AMERICAN ELECTRIC
 The Kelley-Koet Mfg. Co., Inc.
AMERICAN-PHILLIPS
 American Screw Co.
AMERINE
 American Insulator Corp.
AMERITE RESINS
 American Resinous Chemical Co.
AMEROID
 American Plastics Corp.
AMERSTRAND
 American Steel & Wire Co.,
 U. S. Steel Corp., Sub.
AMERTRAN
 American Transformer Co.
AMINCO
 American Instrument Co.
AMMOGAS
 Westinghouse Electric Corp.
AMO
 General Cement Mfg. Co.
AMOIL
 American Condenser Co.
AMPACET
 American Molding Powder & Chemical Corp.
AMPEC
 Centralab Div.
 Globe Union, Inc.
AMPHENOL
 American Phenolic Corp.
AMPLICALL
 Rauland-Borg Corp.
AMPLIMUSE
 Crystal Research Labs., Inc.
AMPLIPHONE
 Eastern Electronics Corp.
AMPLISET
 Bristol Co., The
AMPLITONE
 Walco Sales Co.
AMPLITUBE
 Eastern Amplifier Corp.
AMPLUG
 Electrodyne Co.
AMPTRON
 Friez Instrument Div.
 Bendix Aviation Corp.
AMPYROL
 American Steel & Wire Co.,
 U. S. Steel Corp. Sub.
AMRAD
 Crosley Corp.
AMRECON
 American Relay & Controls, Inc.
AMVAR
 American Steel & Wire Co.,
 U. S. Steel Corp. Sub.
ANACONDA
 American Brass Co.
ANADEL
 Joseph Dixon Crucible Co.
"ANCO"
 Automatic Nut Co., Inc.
AN-COR-LOL
 Laminated Shim Co., Inc.
ANKOSEAL
 Ansonia Electrical Co.
ANNOUNC-O-RAY
 Detect-O-Ray Co.
ANTELCO
 Automatic Electric Co.
ANTEN-A-CATOR
 Gordon Specialties Co.,
ANTI LINK
 American Nut & Bolt Fastener Co.
ANYVOLT
 Sorensen & Co.
APECO
 American Photocopy Equipment Co.
APELCO
 Applied Electronic Corp.
APIMELA
 Cantol Wax Products Co.
APW
 American Platinum Works.
AQUADAG
 Acheson Colloids Corp.
AQUALITE
 National Vulcanized Fibre Co.
AQUALUX
 Westinghouse Electric Corp.
AQUA-NIL
 Standard Electrical Products Co.
AQUAPLATE
 Bache & Co., Semon
AQUIFLUX
 Special Chemicals Co.

ARCHO
 Amalgamated Radio Television Corp.
ARCOZON
 Arco Co.
ARC-RITE
 Mellaphone Corp.
ARCTURUS
 Standard Arcturus Corp.
ARISTA
 Coronet Radio & Television Corp.
ARKLESS
 Economy Fuse & Mfg. Co.
ARL
 Applied Research Labs.
ARLAB
 Radionic Transformer Co.
ARLAVOX
 Radionic Transformer Co.
ARMITE
 Spaulding Fibre Co., Inc.
ARRAZIN
 Hood Rubber Co.
ARRESTONE
 Armstrong Cork Co.
ARVIN
 Noblitt Sparks Industries
ASBESTOPAK
 Felt Products Mfg. Co.
ASCO
 Automatic Switch Co.
ASHCROFT
 Manning, Maxwell & Moore, Inc.
ATC
 Automatic Temperature Control Co., Inc.
ATCOTRAN
 Automatic Temperature Control Co., Inc.
ATOMOER
 Maico Co., Inc.
ATR
 American Television & Radio Co.
AUBESTON
 Auburn Manufacturing Co.
AUDAX
 Audak Co.
AUDIAD
 Magnecord, Inc.
AUDIGAGE
 Branson Instruments, Inc.
AUDIODISCS
 Audio Devices, Inc.
AUDITONE
 United States Gypsum Co.
AUDIOID
 Cook Labs.
AUDIO-LINE
 Audio Equipment Sales
AUDIO-RULE
 Audio Equipment Sales
AUDIOPOINTS
 Audio Devices, Inc.
AUDIOTAPE
 Audio Devices, Inc.
AUDITION
 Reeves Soundcraft Corp.
AUDOGRAPH
 Gray Mfg. Co.
AURICON
 Berndt-Bach, Inc.
AUROSAL
 Baker & Co.
AUTHOTONE CHIMES
 Auth Elec. Specialty Co.
AUTOCROMATIC
 Acton Co., H. W.
AUTO-DRYAIRE
 Communication Products Co., Inc.
AUTODYNE
 Westinghouse Electric Corp.
AUTOMATIC TERMINATOR
 Aircraft-Marine Products, Inc.
AUTOMIX
 Westinghouse Electric Corp.
AUTOPLATER
 Tracerlab, Inc.
AUTOSCALER
 Tracerlab, Inc.
AUTOSET
 Bristol Co., The
AUTO-SONIC
 Vendo Co.
AUTOSYN
 Eclipse-Pioneer Div.,
 Bendix Aviation Corp.
AUTOTROL
 Westinghouse Electric Corp.
AUTOTUNE
 Collins Radio Co.
AUTOVALVE
 Westinghouse Electric Corp.
AUTRASTAT
 Ward Leonard Electric Co.

AVTEX
 Hood Plastics, Inc.
AWEBCO
 Anchor Webbing Co.
AXIFLO
 Westinghouse Electric Corp.
"B8"
 Peck & Harvey
BAACH—INTERNATIONAL
 International Machine Works
BABY-LISTENER
 Lyman Electronic Corp.
BADGER
 Reliance Automatic Lighting Co.
BALAC
 Conant Laboratories
BALANCED LAG
 Pierce Renewable Fuses, Inc.
BALLALIOR
 Sandwick-Bowen Corp.
BANDBOX
 Crosley Corp.
BANTAM GT
 Hytron Radio & Electronics Corp.
BANTAM JR.
 Hytron Radio & Electronics Corp.
BARANM
 Ward Leonard Elec. Co.
BAR-COL
 Barber Colman Co.
BARCOMBO
 Electronic Enterprises, Inc.
BAREX
 King Laboratories, Inc.
BAROHM
 Ward Leonard Electric Co.
BARRYMOUNTS
 Barry Corp., The
BASELINER
 Globe Products Corp.
BASS REFLEX
 Jensen Radio Mfg. Co.
BEACHCOMBER
 Lincoln Electronics Corp.
BECHAMINE
 Reichhold Chemicals, Inc.
BECKMAN
 National Technical Lab.
BECO
 Brown Engineering Co.
BECO
 Westinghouse Electric Corp.
BEE
 Buchanan Electrical Products Corp.
BEEBLE
 American Cyanamid Co.
 Plastics Div.
BELCO
 Bogue Electric Co.
BELFONE
 Bell Sound Systems, Inc.
BELFONE MESTRO
 Bell Sound Systems, Inc.
BELL-TIME
 Industrial Timer Corp.
BEN HAR
 Bentley, Harris Mfg. Co.
BENELEX
 Masonite Corp.
BEPCO
 Buchanan Electrical Products Corp.
BERGER
 Republic Steel Corp.
BERKELEY DECIMAL
 Berkeley Scientific Co.
"BEST PRODUCTS"
 Cossor (Canada) Ltd.
BESTO-WIRE
 Rhode Island Insulated Wire Co.
BIBLETONE
 Bibletone Records, Inc.
B.I.W.
 Boston Insulated Wire & Cable Co.
BIMORPH
 Brush Development Co.
BINAC
 Eckert-Mauchly Computer Corp.
BINRACK
 Hall Co., Gordan L.
BL
 Browning Laboratories, Inc.
BLACK DIAMOND
 Dunton Co., M. W.
BLUDWORTH MARINE
 National-Simplex-Bludworth, Inc.
 Marine Division
BLUE BEAVER
 Condenser Corp. of America.
BLUE BELL
 Western Electric Co., Inc.

BLUE STREAK
 American Electric Cable Co.
BOARDMASTER
 Universal Drafting Machine Co.
BOAS-ALLIED
 Allied Lab. Instrument, Inc.
BOLT MAN, THE
 Pawtucket Mfg. Co.
BONALOG
 Bonney Forge & Tool Works
BOND
 Olin Industries, Inc.
BONDERITE
 Parker Rust Proof Co.
BOND-ROD
 Sherman Mfg. Co., H. B.
BOVIE
 Liebel-Flarsheim Co.
BOXSEAL
 Paisley Products Inc.
BRADLEY
 De Jur-Amsco Corp.
BRANDES
 Cannon Co., C. F.
BRANTRONIC
 Branston Electric Mfg. Co.
BRAZO
 Linde Air Products Co.
 Unit of Union Carbide & Carbon Corp
BREWSTER
 Maguire Industries
BRILLIANTONE
 Acton Co., H. W.
BRINELCO
 Brinnell Co., The
BRISTO
 Bristol Co., The
BROADCASTER
 Reeves Soundcraft Corp.
BRONCO
 Western Insulated Wire Co.
BRONCO 40
 Western Insulated Wire Co.
BRONCO 60
 Western Insulated Wire Co.
BRONZOCHROME
 Eutectic Welding Alloys Co.
BROWN DEVIL
 Ohmite Mfg. Co.
BRYANT
 Westinghouse Electric Corp.
BUDGET
 Aircraft Marine Products Inc.
BUG, THE
 Vibroplex Co., Inc.
BUILT IN WATCHMAN
 Westinghouse Electric Corp.
BULLDOG
 Phelps Dodge Copper Products Corp.
BULLS-I-UNITS
 Kirkland Co., H. R.
BUNDYWELD
 Bundy Tubing Co.
BUSHEND
 Buchanan Electrical Products Corp.
BUSS
 Bussmann Mfg. Co.
BUTACITE
 E. I. du Pont de Nemours Co., Inc.
BUTAPRENE
 Firestone Tire & Rubber Co.
BUTTON MICAS
 Erie Resistor Corp.
BUTYL
 Esso Standard Oil Co.
B&W
 Barker & Williamson
BUZZ-TIME
 Industrial Timer Corp.
BYOHMETER
 RMS Electronics, Inc.

C & C
 McColpin-Christie Corp.
CMSZ ALLOY
 Electro Metallurgical Co.
 Unit of Union Carbide & Carbon Corp.
CALLIFLEX
 Callite Tungsten Corp.
CALLINITE
 Callite Tungsten Corp.
CALIVOLTER
 Calidyne Co., The
CAL LUX
 Callite Tungsten Corp.
CALIFORNIA KILOWATT
 Kluge Electronics Inc.
CALLMASTER
 Lyman Electronic Corp.
CALORIA
 Esso Standard Oil Co.

CALORIMETER
 Whiteman, R. A.
CAMCO
 Camburn, Inc.
CANDOHMS
 Muter Co.
CANNON-BALL
 Cannon Co., C. F.
CAPACILOGS
 Wheelco Instruments Co.
CAPACITROLS
 Wheelco Instruments Co.
CAPE COD
 Submarine Signal Div.
 Raytheon Mfg. Co.
CAPEHART
 Farnsworth Television & Radio Corp.
CAPOHMIST
 Special Products Co.
CARBIC
 Linde Air Products Co.
 Unit of Union Carbide & Carbon Corp.
CARBOFILM
 Wilkor Products, Inc.
CARBOLITE
 Linde Air Products Co.
 Unit of Union Carbide & Carbon Corp.
CARBOMITE
 Continental Carbon, Inc.
CARBONYL
 General Aniline & Film Corp.
CARDAX
 Electro-Voice, Inc.
CARDIETTE
 Sanborn Co.
CARDIOFAX
 Electrofax Corp.
CARDIOSCRIBE
 General Electric X-Ray Corp.
CARDIOTRON
 Electro-Physical Labs., Inc.
CARDYNE
 Electro-Voice, Inc.
CARILLON DYNAMIC
 Miller Mfg. Co., M. A.
CARTRIJ-DRY
 Pyramid Electric Co.
CASCADE
 Audio Industries
CASCADE
 Linde Air Products Co.
 Unit of Union Carbide & Carbon Corp.
CASCAMITE
 The Borden Co.,
 Chemical Division
CASCO
 The Borden Co.,
 Chemical Division
CASCOPHEN
 The Borden Co.,
 Chemical Division
CASCOREZ
 The Borden Co.,
 Chemical Division
CASTORDAG
 Acheson Colloids Corp.
CATABOND
 Catalin Corp. of America
CATAPAK
 Catalin Corp. of America
CATAVAR
 Catalin Corp. of America
CAT'S EYE
 Ess Instrument Corp.
CAVALCADE
 Molded Insulation Co.
 Aircraft Control Div.
CCC CHICAGO
 Chicago Condenser Corp.
CCO
 Bitley Electric Co.
CECOTITE
 Cook Electric Co.
CELAB
 Clark Electronic Labs
CELASCREEN
 Celanese Corp. of America
CELCON
 Celanese Corp. of America
CELECTRAY
 Tagliabue Corp., C. J.
CELLO-BOND
 Paisley Products, Inc.
CELLUFOAM
 Masonite Corp.
CELLULOID
 Celanese Corp. of America
CELORON
 Continental Diamond Fibre Co.
CENCO
 Central Scientific Co.

CENCO HYPERVAC
 Central Scientific Co.
CENCO HYVAC
 Central Scientific Co.
CENCO MEGOVAC
 Central Scientific Co.
CENCO PRESSOVAC
 Central Scientific Co.
CENTRALINE
 Central Paper Co., Inc.
CERAMICON
 Erie Resistor Corp.
CERAMICAPS
 Muter Co.
CEREX
 Monsanto Chemical Co.
 Plastics Div.
CEROC 200
 Sprague Electric Co.
CETRON
 Continental Electric Co.
CHALLENGER
 Division Lead Co.
CHAMPION
 Sewell, Inc., Norman M.
CHAMPION No. 180
 Division Lead Co.
CHANALYST
 Radio Corporation of America
CHAN-L-MOUNT
 Lord Mfg. Co.
CHARGALYZER
 McColpin-Christie Corp.
CHARGOMETER
 Electronic Development Co.
CHARGR-O-MATIC
 Hertner Electric Co.
CHASS-EZ
 General Cement Mfg. Co.
CHEERIO
 Crosley Corp.
CHEMAÇO
 Koppers Co.
CHEMI-GLAS
 Radiocrafters
CHEMIGUM
 Goodyear Tire & Rubber Co.
CHINALAK
 Dolph Co., John C.
CHROMARFLASH
 Triumph Mfg. Co.
CHROMAX
 Driver-Harris Co.
CHROMEL
 Hoskins Mfg. Co.
CHRONO-SPRAY
 Paragon Electric Co.
CHRONOTRON
 Eclipse Pioneer Div.
 Bendix Aviation Corp.
CHRONOVOX
 Radio Development & Research Co.
CIMET
 Driver-Harris Co.
CINAUDAGRAPH
 Aireon Mfg. Corp.
CINCH
 National Lead Co.
CINEMAPHONE
 SOS Cinema Supply Co.
CIRCLE ESS
 Stewart Mfg. Corp., F. W.
CIRCLET
 Trumbull Electric Mfg. Co.
CIRCUITMASTER
 Fordham Mfg. Co.
CIRCUTROLS
 Kollsman Instrument Div. of Square D Co.
"CL"
 Alpha Wire Corp.
CLAM PIPE
 Mueller Electric Co.
CLASSIC
 Jensen Industries, Inc.
CLASSIC POINT
 Elden Co., The
CLEARSITE
 Economy Fuse & Mfg. Co.
CLEARSONIC
 U. S. Television Mfg. Corp.
CLETALOV
 Cleveland Tungsten, Inc.
CLETRON
 Cleveland Electronics, Inc.
CLEVE-TUNG
 Cleveland Tungsten, Inc.
CLIMAX
 Driver-Harris Co.
CLIP ON
 Ferranti Electric, Inc.
CMH
 Chicago Metal Hose Corp.

AJITUBE
 Precision Tube Co., Inc.
COAXWITCH
 Bird Electronic Corp.
COBANIC
 Driver Co., Wilbur B.
CODUR
 Maas & Waldstein Co.
COHARDITE
 Connecticut Hard Rubber Co.
COHRLASTIC
 Connecticut Hard Rubber Co.
COKELASTIC
 Connecticut Hard Rubber Co.
COLLARO
 Micro-Sonic Corp.
COLONIAL
 Pyramid Products Co.
COLORMIKE
 St. Louis Microphone Co.
COLORTOP
 Trico Fuse Mfg. Co.
COMCO
 Communications Co., Inc.
COMET
 Driver-Harris Co.
COMMULAC
 Martindale Electric Co.
COMMUNOPHONES
 Bogen Co., David
COMMUTATOR RESURFACERS
 Ideal Industries, Inc.
COMPAR
 Goodyear Tire & Rubber Co.
COMPARITOL
 Scherr Co., Inc., George
COMPLAC
 Poinsettia, Inc.
COMPO
 Bound Brook Oil-Less Bearing Co.
COMPO
 Muter Co.
COMPREGNITE
 Borden Co., The, Chemical Div.
COMTONE
 Communications Co., Inc.
CONCERT
 Jensen Industries, Inc.
CONCRETITE
 American Resinous Chemical Co.
CONDENS-O-WELD
 Westinghouse Electric Corp.
CONDUCTALUTE
 Sauerseisen Cements Co.
CONFIDENCER
 Aviometer Corp.
CONNECTICUT WINDER
 Connecticut Specialties Co.
CONNISONATA
 Conn Ltd., C. G.
CONPERNIK
 Westinghouse Electric Corp.
CONSOWED
 Consolidated Water Power & Paper Co.
CONTRIFLEX
 Eagle Signal Corp.
CONTROL PANEL
 Ewart & Koch
CONTROLITE
 Ward Leonard Electric Co.
CONVECTRON
 Eclipse Pioneer Div.
 Bendix Aviation Corp.
CONVERS-O-CALL
 National Intercommunicating Systems
COOLER-PROOF
 Paisley Products Inc.
COOLIDGE TUBE
 General Electric X-Ray Corp.
COPOLENE
 American Phenolic Corp.
COPRENE
 Maas & Waldstein Co.
COREPROOFED
 Magnetic Metals Co.
COREX
 Standard Varnish Works
CORKOUSTIC
 Armstrong Cork Co.
CORONOX
 Westinghouse Electric Corp.
COROX
 Westinghouse Electric Corp.
CORRIB
 Ohmite Mfg. Co.
CORULITE
 Premax Products Div.
 Chisholm-Ryder Co., Inc.
CORWICO
 Cornish Wire Co.
COSMALITE
 Cleveland Container Co., The
CO-SPIRAL
 Stephens Mfg. Corp.
COTO
 Coto-Coil Co., Inc.
COTTONITE
 Acme Wire Co.
COUNTOMATIC
 Instrument Development Labs.
COUPLATE
 Centralab Div.
 Globe Union Inc.
COX
 Commercial Research Labs., Inc.
CO-X
 Boston Insulated Wire & Cable Co.
COXPROX
 Bradley Labs.
CRAFTSMEN
 Radio Craftsmen, Inc.
CRAPO
 Indiana Steel & Wire Co.
CREME-O-WAX
 General Cement Mfg. Co.
CRESCENDON
 Crosley Corp.
CROLITE
 Crowley & Co., Inc., Henry L.
CROLOY
 Crowley & Co., Inc., Henry L.
CROMALLOY
 Linde Air Products Co.
 Unit of Union Carbide & Carbon Corp.
CROTHANE
 Crowley & Co., Inc., Henry L.
CRUCIBLE WELD
 Westinghouse Electric Corp.
CRYSCON
 Crystal Research Labs, Inc.
CRYSTALEAR
 Brush Development Co.
CRYSTALIGNED
 Magnetic Metals Co.
CRYSTOGRAPH
 Offner Electronics, Inc.
C S P
 Westinghouse Electric Corp.
C T S
 Chicago Telephone Supply Corp.
CUNNINGHAM
 Radio Corp. of America
 Tube Division
CUPALLOY
 Westinghouse Electric Corp.
CUPRON
 Driver Co., Wilbur B.
CUSHIONTONE
 Armstrong Cork Co.
CUSTOMODE
 Jensen Mfg. Co.
CYCLE-PROGRESS
 Automatic Temperature Control Co.
CYCLELOG
 The Foxboro Co.
CYCLE-RAY
 Friez Instrument Div.
 Bendix Aviation Corp.
CYCLE-FLEX
 Wilson & Co., G. C.
CYCLOTROL
 Minneapolis-Honeywell Regulator Co.
DACO
 Dayton Acme Co.
D 54
 Mallory & Co., Inc., P. R.
"D" NICKEL
 The International Nickel Co., Inc.
DAG
 Acheson Colloids Corp.
DAKA-WARE
 Davies Molding Co., Harry
DALBAR
 Electronic Enterprises
DALE
 Electronic Development Co.
DALMOTRON
 Dalmo Victor Co.
DAMASCITE
 Amplex Div.
 Chrysler Corp.
DAVENOIL
 Daven Co.
DAVEY
 Vibroscope Co.
DAVOHM
 Daven Co.
DC 4
 Dow Corning Corp.
DC* Silicones
 Dow Corning Corp.
DC 200 and DC 500
 Dow Corning Corp.
DC 703
 Dow Corning Corp.
DC 801, DC 802, DC 803, DC 804
 Dow Corning Corp.
DC 993 and DC 996
 Dow Corning Corp.
DC 2103
 Dow Corning Corp.
DCS
 Mathieson Alkali Works
DE ARMOND
 Rowe Industries
DECATRAN
 Melco Products, Inc.
DECO
 Development Engineering Co., Inc., The
DECOHM
 Davis Electric Co.
DE-FROST-IT
 Paragon Electric Co.
DEHYDRA
 Wappler, Inc.
DE-ION
 Westinghouse Electric Corp.
DEKADHESE
 Technical Specialties Co.
DEKA-XTAL
 Scientific Radio Products Co.
DELMAR
 Globe Electronics, Inc.
DELTAMAX
 Allegheny Ludlum Steel Corp.
DEMCO
 Dormitizer Electric & Mfg. Corp.
DEOXO
 Baker & Co.
DENSITE
 West Virginia Pulp & Paper Co.
 Pulp Products Dept.
DEPTHOMETER
 National-Simplex-Bludworth, Inc.
 Bludworth Marine Division
DESCO
 Dietz Design & Mfg. Co.
DESPARD
 Pass & Seymour, Inc.
DETECT-A-FIRE
 Fenwal, Inc.
DETECTOMETER
 Dillon & Co., Inc., W. C.
DETERMOMH
 Ohmite Mfg. Co.
DETROLA
 International Detrola Corp.
DEW POINTER
 Illinois Testing Labs., Inc.
DIABO
 Tibbetts Industries, Inc.
DIACLOR
 Sangamo Electric Co.
DIACONE
 Altec Lansing Corp.
DI-ACRO
 O'Neil Irwin Mfg. Co.
DIAL
 Nebel Lab., R. E.
DIALCO
 Dial Light Co. of America
DIAMATROL
 Standard Electronics Research Corp.
DIAMOND
 Continental Diamond Fibre Co.
DIAMOND
 Tetrad Corp.
DIAMOND G
 Garrett Co., Inc., G. K.
DIAMOND H
 Hart Mfg. Co.
DIAMOND PRODUCTS
 Garrett Co., Inc., George K.
DIAPHLEX
 Cook Electric Co.
DICO
 Diamond Instrument Co.
DICTAPE
 Sound Recorder and Reproducer Corp.
DICTO
 Magnograph Corp.
DIEFLEX
 Insulation Mfrs. Corp.
DIEGRAF
 Grafo Colloids Corp.
DIE-LESS
 O'Neil-Irwin Mfg. Co.
DIELITE
 Wirt Co.
DI-FAN
 Andrew Co.
DILECTENE
 Continental Diamond Fibre Co.

- DILECTO**
Continental Diamond Fibre Co.
- DIMMERETTE**
Ward Leonard Electric Co.
- DIPMASTER**
Aeroil Products Co.
- DIPWITE**
Special Chemicals Co.
- DIPWRAP**
Paisley Products Inc.
- DISCALOY**
Westinghouse Electric Corp.
- DISCOHM**
Ward Leonard Electric Co.
- DIVCO**
Division Lead Co.
- DIVIDOHM**
Ohmite Mfg. Co.
- DOBAR**
Dobeckmun Co., The
Industrial Products Div.
- DOBRO**
Valco Mfg. Co.
- DOLER**
Doehler-Jarvis Corp.
- DOLFLEX**
Dolph Co., John C.
- DOLITE**
Doehler-Jarvis Corp.
- DOMINO**
Solar Mfg. Corp.
- DONUT**
Associated Research Inc.
- DOPLEX**
Dobeckmun Co., The
Industrial Products Div.
- DOISMETER**
Instrument Development Labs
- DOT FASTENERS**
United-Carr Fastener Corp.
- DOUBLE DIAMOND**
H-B Instrument Co.
- DOWMETAL**
Dow Chemical Co.
- D. R. C.**
Dayco Radio Corp.
- DRIMETER**
Fielden Electronics Inc.
- DRI-N-TITE**
Horn Co., Inc., A. C.
- DRIOX**
Linde Air Products Co.
Unit of Union Carbide & Carbon Corp.
- DRITHERM**
North American Electric Lamp Co.
- DUAL DANDEE**
Aerovox Corp.
- DURANITE**
Aerovox, Corp.
- DUALRUM**
Gorrell & Gorrell
- DUART**
Maas & Waldstein Co.
- DUBLER**
Precision Plastic Products Inc.
- DUBL-X**
Telrex, Inc.
- DUCCO**
E. I. du Pont de Nemours & Co., Inc.
- DUCON**
Dual-Remote Control Co.
- DULAC**
Maas & Waldstein Co.
- DULUX**
E. I. du Pont de Nemours & Co., Inc.
- DUOCARB**
Driver Co., Wilbur B.
- DUOCRE X**
Horn Co., Inc., A. C.
- DUODIAL**
Helipot Corp.
- DUO-FLEX**
Dumore Co., The
- DUO-PULSE**
Automatic Temperature Control Co., Inc.
- DUOSCALE**
Tracerlab, Inc.
- DUO-SEAL**
Welch Scientific Co., W. M.
- DUO-SPEED**
V-M Corp.
- DUPLEX**
Altec Lansing Corp.
- DURALON**
U. S. Stoneware Co., The
- DURA-FLEX**
Interstate Mfg. Corp.
- DURASHIELD**
Plastic Fabricators Co.
- DURATAPE**
Rahm Instruments, Inc.
- DURATIP**
Weller Mfg. Co.
- DURATRON**
Hofmann Corp., C. L.
- DUREX**
General Lead Batteries Co.
- DURITE**
Borden Co., The, Chemical Div.
- DURO**
Rogers Corp.
- DUROID**
Rogers Corp.
- DUTCH BOY**
National Lead Co.
- DX'ER**
Babcock Radio Engineering Inc.
- DX MASTERSPEAKERS**
DX Radio Products Co., Inc.
- DYKANOL**
Condenser Corp. of America
- DYNACOIL**
Crosley Corp.
- DYNA-LINK**
Yardeny Laboratories, Inc.
- DYNALOG**
Foxboro Co., The
- DYNAMASTER**
Bristol Co., The
- DYNAPHONE**
Ansley Radio Corp.
- DYNATONE**
Ansley Radio Corp.
- DYNATONE**
Crosley Corp.
- DYNETRIC**
Westinghouse Electric Corp.
- DYNOGRAPH**
Annis Co., R. B.
- DYNOGRAPH**
Offner Electronics, Inc.
- E. A. D.**
Eastern Air Devices, Inc.
- "E" NICKEL**
The International Nickel Co., Inc.
- EAGLE-EYES**
Larrimore Sales Co.
- EARSET**
Telex, Inc.
- EASY-FLO**
Handy & Harman
- E C A**
Electronic Corp. of America
- ECCO**
Triad Transformer Mfg. Co.
- ECHOPHONE**
Hallcrafters Co.
- ECKCO**
Eckstein Radio & Television Co.
- ECO**
Economy Fuse & Mfg. Co.
- ECONACOUSTIC**
National Gypsum Co.
- EDGEOHM**
Ward Leonard Electric Co.
- EDIN**
Electronic Supply Co.
- EDIPHONE**
Edison Inc., Thomas A.
- EDIPROBE**
Electronic Designs, Inc.
- EDUCATOR**
Operadio Mfg. Co.
- EEL**
Electronic Enterprises Inc.
- EFFARSEE**
Fishwick Radio Co.
- EICO**
Electronic Instrument Co.
- EIMAC**
Eitel-McCullough, Inc.
- EJECT-O-MATIC**
Multi-Products Tool Co.
- EKOTAPE**
Webster Electric Co.
- EL**
Electrons, Inc.
- ELASTOBOND**
Paisley Products, Inc.
- ELASTRON**
Industrial Synthetics Corp.
- ELCOFONE**
Loral Electronics Corp.
- ELECTONE**
Northeastern Engineering, Inc.
- ELECTOY**
Electronic Labs, Inc.
- ELECTR O VANE**
Brown Instrument Co.
- ELECTREX**
Gorrell & Gorrell
- ELECTRICORD**
Pacific Electricord Company
- ELECTRITE**
West Virginia Pulp & Paper Co.
Pulp Products Dept.
- ELECTRIX**
U. S. Rubber Co.
- ELECTRO-CAL**
Industrial Electronics, Inc.
- ELECTROCAM**
Westinghouse Electric Corp.
- ELECTRO-COUNTER**
Lansing Engineering Co., Electronics Div.
- ELECTRO-EAR**
American Earphone Co.
- ELECTROHEMOMETER**
Fisher Scientific Co.
- ELECTRO-LARYNX**
Aurex Corp.
- ELECTROLIMIT**
Pratt Whitney Div., Niles-Bement-Pond Co.
- ELECTROLONE**
Harris Mfg. Co.
- ELECTROMANOMETER**
Sanborn Co.
- ELECTRO-MATIC**
Automatic Signal Div.
Eastern Industries, Inc.
- ELECTROMAX**
Leeds & Northrup Co.
- ELECTROMET**
Electro Metallurgical Division
Union Carbide & Carbon Corp.
- ELECTRON BELL**
Riggs & Jeffreys, Inc.
- ELECTRONA-BOND**
Electronic Chemical Engineering Co.
- ELECTRONAMIC**
Precision Apparatus Co.
- ELECTRONA-SEAL**
Electronic Chemical Engineering Co.
- ELECTRONE TONE**
Electronic Chemical Engineering Co.
- ELECTRONIC FEATHER**
Westinghouse Electric Corp.
- ELECTRONIK**
Brown Instrument Co.
- ELECTRONIK**
Minneapolis-Honeywell Regulator Co.
- ELECTRONOFIRE**
Electronic Chemical Engineering Co.
- ELECTRONOMETER**
Precision Apparatus Co.
- ELECTROPHOT**
Adair & Rhamstine
- ELECTROPHOTOMETER**
Fisher Scientific Co.
- ELECTROSE**
Insulation Mfg. Co.
- ELECTROTEMP**
Westinghouse Electric Corp.
- ELECTROTHERM**
Thermionic Engr. Corp.
- ELECTROX**
Schauer Machine Co.
- ELENCO**
Electronic Enterprises, Inc.
- ELEPHANT**
Phosphor Bronze Corp.
- ELIM-O-STAT**
Solar Mfg. Co.
- ELINCO**
Electric Indicator Co.
- ELINCOR**
Electronic Indicator Corp.
- ELKALOY**
P. R. Mallory & Co., Inc.
- ELKONITE**
P. R. Mallory & Co., Inc.
- ELKONIUM**
P. R. Mallory & Co., Inc.
- ELMET**
North American Philips Co., Inc.
- ELVANOL**
E. I. du Pont de Nemours & Co., Inc.
- EMC**
Electric Motor Corp.
- EMDECO**
Magnetic Devices Corp.
- EMICO**
Electro-Mechanical Instrument Co.
- EMPCO**
Electronic Mechanical Products Co.
- EMPIRE**
Mica Insulator Co.
- EMPIRE**
Russell, Burdsall & Ward Bolt and Nut Co.
- ENAMELITE**
Acme Wire Co.
- ENDURO**
Republic Steel Corp.

NDUR-PRENE
 General Insulated Wire Works, Inc.
ENNJAY
 Esso Standard Oil Co.
ENPO
 Piqua Machine & Mfg. Co.
EONITE
 U. S. Rubber Co.
EOPRENE
 U. S. Rubber Co.
EPCO
 Etched Products Corp.
EPLAB
 Eppley Lab., Inc., The
EQUALLOAD
 Keystone Carbon Co., Inc.
ERSIN MULTICORE
 British Industries Corp.
ESCO
 Electric Specialty Co.
ESCO
 Electric Switch Corp.
ESICO
 Electric Soldering Iron Co.
ESNA
 Elastic Stop Nut Corp. Of America
ETHOCEL
 Dow Chemical Co.
ETHYLON
 American Phenolic Corp.
ETCO
 Electronic Transformer Co., Inc.
EUREKA
 Morse Co., Frank W.
EUTEC-SILVER-WELD
 Eutectic Welding Alloys Corp.
EUTECHROM
 Eutectic Welding Alloys Corp.
EUTECROD
 Eutectic Welding Alloys Corp.
EUTECTOR
 Eutectic Welding Alloys Corp.
EUTECTRODE
 Eutectic Welding Alloys Corp.
EVABRITE
 Bache & Co., Semon
EVALAST
 Bache & Co., Semon
EVEN-BREAK
 Electric Eye Equipment Co.
EVENRAY
 Fostoria Pressed Steel Corp.
EVERLASTING
 Harper Co., The, H. A.
EVELYN
 Rubicon Co.
EVEREADY
 National Carbon Co., Inc.
EVERLOCK
 Thompson-Bremer & Co.
EXACT-PHOTO
 Photo Reproducing Equip. Co.
EXAMETER
 Solar Mfg. Corp.
EXIDE
 Electric Storage Battery Co.
EXPLAINETTE
 Operadio Mfg. Co.
E-Z
 Pyramid Products Co.
E-Z CODE
 Western Lithograph Co.,
 E-Z Code Div.
E-Z CUE
 Amplifier Corp. of America

FARATRON
 Lumenite Electric Co.
FARCO
 Farrelloy Co.
FARLITE
 Farley & Loetscher Mfg. Co.
FASTACK
 Paisley Products, Inc.
FASTAX
 Western Electric Co., Inc.
FASTENEERING
 Central Screw Co.
FASTICK
 Paisley Products, Inc.
FATHOMETER
 Submarine Signal Div.,
 Raytheon Mfg. Co.
FAX
 Radio Inventions, Inc.
FAXIMILE
 Radio Inventions, Inc.
FAXPAPER
 Radio Inventions, Inc.
FEATHERIDE
 Webster Electric Co.

FEDCO
 Federal Engineering Co.
FEDERAL RECORDER
 Conn Ltd., C. G.
FEL-PAK
 Felt Products Mfg. Co.
FEL-PRO
 Felt Products Mfg. Co.
FEMCO
 Farmers' Engineering & Mfg. Co.
FENOX
 Bakelite Corp.
FERRAMICS
 General Ceramics & Steatite Corp.
FERRET
 Coastwise Electronic Co., Inc.
FERROTUNE
 S-W Inductor Co.
FIBERGLAS
 Owens-Corning Fiberglas Corp.
FIBRACOUSTIC
 Johns-Manville Sales Corp.
FIBRINOMETER
 Allied Elec. Instrument Co.
FIBESTOS
 Monsanto Chemical Co., Plastics Div.
FIBRETONE
 Johns-Manville Sales Corp.
FIDELITONE
 Permo, Inc.
FIFTY FOUR
 Cardwell Mfg. Corp., Allen D.
FILMGRAPH
 Miles Reproducer Co., Inc.
FILMSCRIBER
 Miles Reproducer Co., Inc.
FILNIC GRIDNIC
 Driver-Harris Co.
FILPEC
 Centralab Div., Globe Union Inc.
FILTERETTE
 Deutschmann Corp., Tobe
FILTERNOYS
 Continental Carbon, Inc.
FILTERVOLT
 Insuline Corp. of America
FIREBALL
 Farmer's Engineering & Mfg. Co.
FIRE DEVIL
 Littelfuse, Inc.
FIREYE
 Combustion Control Corp.
FISHERFONE
 Fisher Research Lab.
FIVER
 Crosley Corp.
FLAME
 Mettler Co., Lee B.
FLAME-OTROLS
 Wheelco Instrument Co.
FLAME-WARDEN
 Combustion Research Laboratories, Inc
FLASH
 Baker-Phillips Co.
FLATAK
 Paisley Products Inc.
FLATWRAP
 Paisley Products Inc.
FLECTROL
 Yardeny Laboratories, Inc.
FLEXAGUIDE
 Airtron Inc.
FLEX-A-POWER
 Trumbull Electric Mfg. Co.
FLEXARC
 Westinghouse Electric Corp.
FLEXARM
 Art Specialty Co.
FLEXFLAT
 Paisley Products Inc.
FLEXIFONE
 Operadio Mfg. Co.
FLEXILUGS
 Frankel Connector Co.
FLEXISPLICES
 Frankel Connector Co.
FLEXITIP
 Weller Mfg. Co.
FLEXI-TROL
 Wilson & Co. G. C.
FLEXITONE
 Operadio Mfg. Co.
FLEXLOC
 Standard Pressed Steel Co.
FLEXO
 Art Specialty Co.
FLEXOPULSE
 Eagle Signal Corp.
FLEX-O-TENSION
 Rumac Mfg. Co.

FLEX-SOK
 Stupakoff Ceramic & Mfg. Co.
FLEX-STAFF
 Pfanstiel Chemical Co.
FLEXTACK
 Paisley Products Inc.
FLIGHTWEIGHT
 Bendix Radio Corp.
FLIPON
 Westinghouse Electric Corp.
FLOTROL
 Lorain Products Corp.
FLOWRATOR
 Fischer & Porter Co.
FLUORADEX
 Westinghouse Electric Corp.
FLUORO-RECORD
 Fairchild Camera & Instrument Corp.
FLUOROSPOT
 Westinghouse Electric Corp.
FLUOROVUE
 Westinghouse Electric Corp.
FLUSH-LITE
 Littelfuse, Inc.
FLUTO
 Pass & Seymour Inc.
FLUTOLIER
 Pass & Seymour Inc.
FLUX GATE
 Eclipse-Pioneer Div.,
 Bendix Aviation Corp.
FLUXRITE
 National Lead Co.
FM-G
 General Controls Co.
F. N. A.
 Paisley Products, Inc.
FORDMICA
 Ford Radio & Mica Corp.
FORMVAR
 Shawinigan Products Corp.
FORTICEL
 Celanese Corp. of America
FORTISAN
 Celanese Corp. of America
"49" ALLOY
 Magnetic Metals Co.
FOSTERITE
 Westinghouse Electric Corp.
FOTOLECTRIC
 Worner Electronic Devices
F P INDUCTUNER
 Mallory & Co., Inc., P. R.
FRAHM
 Biddle Co., James G.
FREE-CUT INVAR "36"
 Carpenter Steel Co.
FREED-EISEMANN
 Freed Radio Corp.
FREE-VANE
 Bristol Co., The
FREQUEMATIC
 Federal Telephone & Radio Corp.
FROST
 Chicago Telephone Supply Corp.
FURNATRON
 Westinghouse Electric Corp.
FURZEHILL
 American British Technology, Inc.
FUSETRONS
 Bussmann Mfg. Co.
FUSITE HERMETICIANS
 Cincinnati Electric Products Co.
FUSTATS
 Bussmann Mfg. Co.
FYBERGLASS
 Eraser Co., Inc.,
 Industrial Products Div.
FYBEROID
 Wilmington Fibre Specialty Co.

G-C
 General Cement Mfg. Co.
G-MAX
 Flight Research Engineering Corp.
G-METER
 Schottland, Frederick D.
GALVANOID
 Wickwire Spencer Steel, Div.,
 Colorado Fuel & Iron Corp.
GALVEX
 Wickwire Spencer Steel, Div.,
 Colorado Fuel & Iron Corp.
GAMMATRON
 Heintz & Kaufman Ltd.
GARCEAU
 Electro-Medical Lab., Inc.
GARCO
 Gardiner Mfg. Co.

GARIT
Garfield Mfg. Co.

GELVA
Shawinigan Products Corp.

GEMCOTE
Gemloid Corp.

GEMFLEX
Gemloid Corp.

GEMGLEEN
Gemloid Corp.

GEMLIKE
Gemloid Corp.

GEMLITE
Gemloid Corp.

GEMLOID
Gemloid Corp.

GEMSTONE
Knoedler Chemical Co.

GEMWELD
Gemloid Corp.

GENEMOTOR
Carter Motor Co.

GENERAL BRAND
General Dry Batteries, Inc.

GENERALITIES
Fostoria Pressed Steel Corp.

GENEVALOC
Bendix Aviation Corp.,
Pacific Div.

GEN-RAL
Muter Co.

GEON
Goodrich Chemical Co., B. F.

GIBSILOY
Gibson Electric Co.

GIBSON-SPRINGS
Associated Spring Corp.

GLAMORTONE
Crosley Corp.

GLASOHM
Clarostat Mfg. Co., Inc.

GLASS SEALING "42", "426", "49"
Carpenter Steel Co.

GLASTIC
Laminated Plastics, Inc.

GLIDER
Shure Brothers

GLOBAL
Molded Insulation Co.,
Aircraft Control Div.

GLOBAR
Carborundum Co.

GLO-TECH
Fischer & Porter Co.

GLYDAG
Acheson Colloids Corp.

GOLD-SEAL
Miller, B. F.

GOLDEN-TONE
Five Star Radio Co.

GON-SET
Waterproof-Electric Co.

GOODELL
Minnesota Electronics Corp.

GOOD-RITE
Goodrich Chemical Co., B. F.

GOTHAM
Shevers Inc., Harold

GOTHARD
Johnson Co., E. F.

G-P
Erie Resistor Corp.

GRACOIL
Gramer Co., The

GRAFOIL
Brush Development Co.

GRAFOLUX
Grafo Colloids Corp.

GRAFO CONCENTRATE
Grafo Colloids Corp.

GRALAB
Dimco-Gray Co.

GRANODIZING
American Chemical Paint Co.

GRAPHALLOY
Graphite Metallizing Corp.

GREENOHM
Clarostat Mfg. Co., Inc.

GRENZ
Westinghouse Electric Corp.

GRIDNIC
Driver-Harris Co.

GRIP-HOLD
J. F. D. Mfg. Co.

GRIP-POINT
Vaco Products Co.

GRIP TIGHT
Paisley Products, Inc.

GRIPMASTER
Walker Co., George

GRIPPER
Scovill Mfg. Co.,
Waterville Screw Prods. Div.

GRIP-TITE
Stevens-Walden, Inc.

GRIP-X
Rattan Mfg. Co., The

GRIZZLY
U. S. Rubber Co.

GUEST TELEVISION
Industrial Television, Inc.

GITAN
Rowe Industries

GUMMON
Garfield Mfg. Co.

GYRO
Sperry Gyroscope Co.

GYROPILOT
Sperry Gyroscope Co.

GYROSYN
Sperry Gyroscope Co.

GYRO-TENNA
Public Operating Co.

HABIRLENE
Phelps Dodge Copper Products Corp.

HABIRSHAW
Phelps Dodge Copper Products Corp.

HAF-TSON
Hait & Sons, Inc.

HALLOWELL
Standard Pressed Steel Co.

HALOWAX
Union Carbide & Carbon Corp.

HAMM CRYSTALS
Nebel Lab., R. E.

HAMMERTONE
Maas & Waldstein Co.

HANDI-GLOW
Industrial Devices Inc.

HANDI-MIKE
Universal Microphone Co.

HANDI-PHONE
Murdock Mfg. Co., Wm. J.

HANDI-TALKIE
Motorola, Inc.

HANDY ANDY
Rattan Mfg. Co., The

HANDY-FLUX
Handy & Harman

HANDYVAR
Martindale Electric Co.

HAR-CAM
Harvey Radio Labs., Inc.

HARTRON
Hart & Co., Inc., Frederick

HARVEL
Irvington Varnish & Insulator Co.

HARVEY
Harvey Wells Electronics, Inc.

HARVEY
Peck & Harvey

HASCROME
Haynes Stellite Co.,
Unit of Union Carbide & Carbon Corp.

HASTELLOY
Haynes Stellite Co.,
Unit of Union Carbide & Carbon Corp.

HAYSTELLITE
Haynes Stellite Co.,
Unit of Union Carbide & Carbon Corp.

HAZEGAGE
Ess Instrument Co.

HC
Nebel Lab., R. E.

HEAD
Industrial Electronics, Inc.

HEALTHAIRE
Johnson Fan & Blower Corp.

HEATEX
Acme Wire Co.

HEATHKIT
Heath Co.

HEETMASTER
Aeroil Products Co.

HELI-COIL
Aircraft Screw Products Co., Inc.

HELIOFLASH No. 124
MacLeod & Hanopol

HELIOS
Keuffel & Esser Co.

HELIO-THERM
Airadio Inc.

HELISCOPE
Crosley Corp.

HEMIT
Garfield Mfg. Co.

HERCO
Hercules Electric & Mfg. Co., Inc.

HERCULES
Acronark Co.

HERCULES
Rubicon Co.

HERECROL
Heresite & Chemical Co.

HERMETICIAN
Fusite Corp.

HERMICO
Hermetic Seal Products Co.

HETROFOIL
Mullen Mfg. Co., James

HEX-LOK
Boots Aircraft-Nut Corp.

HEX LOX
Prestole Corp.

HEX-SCRU
Stronghold Screw Products

HEYCO
Heyman Mfg. Co.

HI-FLUX
Annis Co., R. B.

HI-G
General Controls Co.

HIGH PERMEABILITY '49"
Carpenter Steel Co.

HIKAPS
Centralab, Div.
Globe Union, Inc.

HI K CERAMICONS
Erie Resistor Corp.

HI-LOAD
United Insulator Co., Ltd.

HINJON
Thomas & Betts Co., Inc.

HIPERCO
Westinghouse Electric Corp.

HIPERNIK
Westinghouse Electric Corp.

HIPERSIL
Westinghouse Electric Corp.

HI-Q
Electrical Reactance Corp.

HI-TEMP
Rome Cable Corp.

HI VOLT
Industrial Devices, Inc.

HYVOKAPS
Centralab, Div.
Globe Union, Inc.

HOBBY-FLEX
Dumore Co., The

HOLD-HEET
Russell Electric Co.

HOLD-TITE
U. S. Rubber Co.

HOLLYTRAN
Transformer Engineers

HOLTITE
Continental Screw Co.

HOMAC
Hose-McCann Telephone Co., Inc.

HOMCHARGER
Automatic Electrical Devices Co.

HOMEASE
Bogue Electric Mfg. Co.

HOM-O-ZONE
Automatic Electrical Devices Co.

HORNAC
Horn Co., Inc., A. C.

HP
Hewlett-Packard Co.

H. R. S.
Dine and Co., Inc., F. E.

HUMIDIGRAPH
Bristol Co., The

HUMIDOLAIN
Star Porcelain Co.

HURLETRON
Electric Eye Equipment Co.

HUSEITE
Huse Liberty Mica Co.

HUSHATONE
Brush Development Co.

HUSKY
Price Electric Corp.

HYCAR
Goodrich Chemical Co., B. F.

HYDENT
Burdny Engineering Co.

HYDEX
Jensen Mfg. Co.

HYDRAMOTOR
General Controls Co.

HYDRAULIC
White Rodgers Electric Co.

HYDROGRAF
Grafo Colloids Corp.

HYDROSEC
U. S. Rubber Co.

HY-EFF
Taylor Mfg. Co.

HYFLEX
Irvington Varnish & Insulator Co.

FLUX
Indiana Steel Products Co.

HYHERVAC
Central Scientific Co.

HYLINK
Burndy Engineering Co.

HYLUG
Burndy Engineering Co.

HYMU
Magnetic Metals Co.

HYMU "80"
Carpenter Steel Co.

HYPASS
Sprague Electric Co.

HYPER
Radio Music Corp.

HYPER-MAG
Radio-Music Corp.

HYPERSONIC
Brush Development Co.

HYPEX
Jensen Mfg. Co.

HYPOT
Associated Research, Inc.

HYPRESS
Burndy Engineering Co.

HYPAR
Midland Paint & Varnish Co.

HY-Q 75
Hytron Radio & Electronics Corp.

HYTEMCO
Driver-Harris Co.

HYTOOL
Burndy Engineering Co.

HYVAC
Central Scientific Co.

HYVOL
Aerovox Corp.

ICA
Insuline Corp. of America

ICE-STIK
Paisley Products, Inc.

ICONIC
Altec Lansing Corp.

IDECO
International Derrick & Equipt. Co.

ILLINI-HYCAPS
Illinois Condenser Co.

ILLITRON
Illinois Topl Works, Electronics Div.

IMC
Insulation Mfrs. Corp.

IMCO
Interstate Mfg. Corp.

IMCOR
Insulation Mfrs. Corp.

IMMERSATHERM
Mercoind Corp.

IMPREGNITE
Standard Varnish Works

INCA
Phelps Dodge Copper Products Corp.

INCELOID
American Products Mfg. Co.

INCO
International Nickel Co., Inc., The

INCONEL
Alloy Metal Wire Co.

INCONEL
The International Nickel Co., Inc.

INCREVOLT
Sorensen & Co.

INDALLOY
Indiana Steel Products Co.

INDCO
Industrial Condenser Corp.

INDERON
Plywood Co., C. W.

INDUCTOROIDS
De Coursey Engr. Lab.

INDUCTOTHERM
General Electric X-Ray Corp.

INDUCTUNER
Mallory & Co., Inc., P. R.

INDUR
Reilly Tar & Chemical Corp.

INDUSTRIAL TELECEIVERS
Industrial Television, Inc.

INERTAIRE
Westinghouse Electric Corp.

INERTEEN
Westinghouse Electric Corp.

INET
Industrial Electronics & Transformer Co.

INFERNOCOTE
Wirt Co.

INMANCO
Insulation Mfrs. Corp.

INPUTROLS
Wheelco Instruments Co.

IN-RES-CO
Instrument Resistors Co.

INSA-LUTE
Sauereisen Cements Co.

INSANOL
Westinghouse Electric Corp.

INSL
Insl-x Co., Inc.

INSL-X
Centro Research Laboratories, Inc.

INSPECTOR
Larrimore Sales Co.

INSTAGRAPH
Bristol Co., The

INSTANSOLDER
Cole Radio Works

INSTOMATIC
Sanborn Co.

INSULAZED
Magnetic Metals Co.

INSUROK
The Richardson Co.

INTELIN
Federal Telephone & Radio Corp.

INTERCEPTOR
Shur-Antenna-Mount, Inc.

INTERLINK
Federal Telephone & Radio Corp.

INTER-VIEWER
Larrimore Sales Co.

INTERVOX
Radio Labs. Co.

INTUC
Insulating Tube Co.

INVAR "36"
Carpenter Steel Co.

IONOTRON
U. S. Radium Corp.

IPOA
Inland Plastic of America, Inc.

IRIS
American Scientific Co.

IRMCO
Islip Radio Mfg. Corp.

IRN
Williams & Co., C. K.

IRON OILITE
Amplex Div.
Chrysler Corp.

IRRADIOMETERS
Sensitive Research Instrument Co.

IRV-O-LITE
Irvington Varnish & Insulator Co.

IRV-O-VOLT
Irvington Varnish & Insulator Co.

ISOMODE
M. B. Mfg. Co.

ISOPLANE
Motorola, Inc.

ITELITE
I-T-E Circuit Breaker Co.

IVI-FLEX
Irvington Varnish & Insulator Co.

JACKLEAN
Commercial Radio Sound Corp.

JAGABI
Biddle Co., James G.

JECO
Jarvis Electronics Corp.

JERKIT
Littelfuse Inc.

JETFLEX
Cook Electric Co.

JIFFY
Minerallac Electric Co.

JK
James Knights Co.

J. M.
Paisley Products, Inc.

JODA
Davis Plastics Co., Joseph

J-T
Jefferson-Travis, Inc.

JUPITER GUM
Paisley Products, Inc.

K 42 B
Westinghouse Electric Corp.

"K" MONEL
The International Nickel Co., Inc.

"KR" MONEL
The International Nickel Co., Inc.

K-TRAN
Automatic Mfg. Co.

KAISER ALUMINUM
Permanent Products Co., Inc.

KANTARK
Trico Fuse Mfg. Co.

KANTLINK
Positive Lock Washer Co.

KANT LINK
American Nut & Bolt Fastener Co.

KAPPA
Wright & Sons Co., William E.

KARADIO
Eckstein Radio & Television Co.

KARBOMET
Driver-Harris Co.

KARMA
Driver-Harris Co.

KARRO PAK
Felt Products Mfg. Co.

KATHANODE
Gould Storage Battery Corp.

KATOLIGHT
Kato Engineering Co.

KAYGREY
Rogers Corp.

KAYPAR
Rogers Corp.

KAYROK
Rogers Corp.

KELLER POLYGRAPH
Associated Research, Inc.

KELEKET
Kelly-Koett Mfg. Co., Inc., The

KEMGO
Markem Machine Co.

KENEX
Westinghouse Electric Corp.

KENITE
Keystone Electronics Co.

KEN-RAD
Westinghouse Electric Corp.

KIC
Kemet Labs. Co., Inc.

KERATYM
Horn Co., Inc., A. C.

KILOVOLTER
C-B Mfg. Co.

KING
Electric Heat Control Co., The

KING JUKE
Eldeen Co., The

KINGMARKWELL
Markem Machine Co.

KINSETTE
Kinsey Radio Mfg. Co.

KITCHENAIRE
Radio Craftsmen

KITCHENOLA
Radio Craftsmen

KLAMP-TITE
I-T-E Circuit Breaker Co.

KLEEN-LINE
Farmers' Engineering & Mfg. Co.

KLEER-VU
American Kleer-Vu Plastics

KLIPOK
Trico Fuse Mfg. Co.

KLIPXIT
Vaco Products Co.

KLIXON
Spencer Thermostat Co.

KLYDONOGRAPH
Westinghouse Electric Corp.

KNIGHT
Allied Radio Corp.

KNOCKOMETER
Sperry Gyroscope Co., Inc.

KODAGRAPH
Eastman Kodak Co.

KODAK
Eastman Kodak Co.

KOHINOOR
Waldes Kohinoor, Inc.

KOILED KORD
Kellogg Switchboard & Supply Co.

KONAL
Westinghouse Electric Corp.

KOOLOHM
Sprague Electric Co.

KORECT-OHM
Eastern Electronics Corp.

KOTAL
U. S. Rubber Co.

KOTRON
Standard Areturus Corp.

KOVAR
Stupakoff Ceramic & Mfg. Co.

KOVAR
Westinghouse Electric Corp.

KOVAR-ZIP
Waldes Kohinoor, Inc.

KP-81
Pierson Electronic Corp.

KRISTON
Goodrich Chemical Co., B. F.

KROME KOAT
General Cement Mfg. Co.

KRYSTAL KOAT
 General Cement Mfg. Co.
KULGRID
 Callite Tungsten Corp.
KUPEEC
 Centralab, Div.
 Globe Union, Inc.
KWIKFLUX
 Special Chemicals Co.
KWIKHEAT
 Sound Equipment Corp.

"L" NICKEL
 The International Nickel Co., Inc.
LABVOLT
 Electrodyne Co.
LACKON
 Sun Dial Corp.
LAMCO
 La Magna Mfg. Co., Inc.
LAMICOID
 Mica Insulator Co.
LAMICOID
 Insulating Fabricators, Inc.
LAMICORES
 Magnetic Metals Co.
LAMIFORM
 Lamicaid Fabricators
LAMINAC
 American Cyanamid Co., Plastics Div.
LAMINUM
 Laminated Shim Co., Inc.
LAMIPACKS
 Magnetic Metals Co.
LAMITEX
 Franklin Fibre-Lamitex Corp.
LAUXEIN
 Monsanto Chemical Co., Plastics Div.
LAVA
 Kirchberger & Co., Inc., M.
LAVITE
 Steward Mfg. Co., D. M.
LAVOLAIN
 Star Porcelain Co.
LAUXITE
 Monsanto Chemical Co., Plastics Div.
LAYTEX
 U. S. Rubber Co.
LEAD-ALL
 Rumac Mfg. Co.
LEAD-A-MATIC
 Rumac Mfg. Co.
LEARADIO
 Lear, Inc.
LEATHAFLEX
 Paisley Products, Inc.
LECTROVISION
 Transvision, Inc.
LECTRO-LEVEL
 Alco Valve Co.
LEDEX
 Leland, Inc., George H.
LEE-BUILT
 Lee Spring Co.
LEESONA
 Universal Winding Co.
LEKTRO
 Conn Ltd., C. G.
LE-LAND
 Leland Electric Co.
LEROY
 Keuffel & Esser Co.
LEVEL
 White Rodgers Elec. Co.
LEXEL
 Dobeckmun Co., The
LIBERTY
 American Communication Co.
"LH"
 Micro Switch Div.
LIFE-LIKE
 Arc Radio Corp.
LIFE-LINE
 Westinghouse Electric Corp.
LIFE LITE
 Ultra-Violet Products, Inc.
LIFETIME
 Reynolds Metals Co.
LIGHT WATCHMAN
 Ripley Co., Inc.
LIGHTNING BUG
 Vibroplex Co., Inc.
LIGNOTITE
 Paisley Products, Inc.
LIGNOTOX
 Paisley Products, Inc.
LIMITROLS
 Wheelco Instruments Co.
LIMITRON
 Arma Corp.

LIN-DE
 Linde Air Products Co.
 Unit of Union Carbide & Carbon Corp.
LINDOX
 Linde Air Products Co.
 Unit of Union Carbide & Carbon Corp.
LINE STARTER
 Westinghouse Electric Corp.
LITE-MASTER
 Art Specialty Co.
LITE-O-STAT
 Viewlex, Inc.
LITTLE DEVIL
 Ohmite Mfg. Co.
LITTLEPHONE
 Doolittle Radio, Inc.
LITTLE GIANT MAGNETS
 Crucible Steel Co. of America
LOABOND
 Catalin Corp. of America
LOAD CARRIERS
 Market Forge Co.
LOAD LIFT
 Market Forge Co.
LOAD-MOBILE
 Market Forge Co.
LOAD MOVERS
 Market Forge Co.
LOAD PAC
 Market Forge Co.
LOAD SKIDS
 Market Forge Co.
LOAD-VEYOR
 Market Forge Co.
LOALIN
 Catalin Corp. of America
LOCALITIES
 Fostoria Pressed Steel Corp.
LOCKETITE
 Locke Incorporated
LOCKSEAM
 Superior Tube Co.
LOCK-TITE
 Thomas & Betts Co., Inc.
LOCK-TITE
 Continental Screw Co.
LOGE LECTERN
 Loge Sound Engineers, J. M.
LOHM
 Driver-Harris Co.
LOMU
 Magnetic Metals Co.
LOPOHM
 Ward Leonard Electric Co.
LOXIT
 Hobbs Mfg. Co.
L'TATRO
 Eckstein Radio & Television Co.
LUCERO
 Driver-Harris Co.
LUCITE
 du Pont de Nemours & Co., Inc., E. I.
 Plastics Dept.
LUG-CLIP
 Littelfuse, Inc.
LUKENWELD
 Lukens Steel Co.
LUMARITH
 Celanese Corp. of America
LUMETRON
 Photovolt Corp.
LUSTAN
 Esso Standard Oil Co.
LUSTERIZED
 American Electric Cable Co.
LUSTERKNOBS
 Beach Manufacturing Inc.
LUSTREX
 Monsanto Chemical Co.
 Plastics Div.
LUSTROM
 Monsanto Chemical Co.
 Plastics Div.
LUXATHERM
 Branston Electric Mfg. Co.
LUXIFLUX
 Special Chemicals Co.
LUXOMETER
 Electronic Mechanical Products Co.
LUXTAR LENS
 Viewlex, Inc.
LUXTRON
 Bradley Labs.
LYRIC
 Rauland-Borg Corp.

MAESTRO
 Reeves Soundcraft Corp.
MAETRO POINT
 Eldeen Co., The

MAFORCO
 Market Forge Co.
MAGI-CALL
 McGrade Manufacturing Co., Inc., E. W.
MAGIC DOOR
 Stanley Works, The
MAGICORE
 Crowley & Co., Inc., Henry L.
MAGICTONE
 Radio Development & Research Co.
MAGIC WAND
 Ward Products Corp. Div of The Gabriel Co.
MAGMOTOR
 Carter Motor Co.
MAGNAC
 Magnetic Devices, Inc.
MAGNECORDER
 Magnecord, Inc.
MAGNEMATIC
 Amplifier Corp. of America
MAGNERAMA
 Amplifier Corp. of America
MAGNE RIBBON
 Amplifier Corp. of America
MAGNESCOPE
 Amplifier Corp. of America
MAGNESONIC
 Sound Recorder and Reproducer Corp.
MAGNESYN
 Eclipse-Pioneer Div.,
 Bendix Aviation Corp.
MAGNE TAPE
 Amplifier Corp. of America
MAGNETONE
 Brush Development Company, The
MAGNETRONIC
 Cook Electric Co.
MAGNETTE
 Heinemann Electric Co.
MAGNILASTIC
 Cook Electric Co.
MAGNISET
 Bristol Co., The
MAGNO
 Driver-Harris Co.
MAIL-A-VOICE
 Brush Development Co.
MAKALOT
 Interlake Chemical Co.
MALTESE
 Bache & Co., Semon
MARFORCO
 Market Forge Co.
MARK-TIME
 Rhodes Inc., M. H.
MARR
 Rattan Mfg. Co., The
MARVAL
 Walco Sales Co.
MASCO
 Simpson Mfg. Co., Inc., Mark
MASTERLINE
 Electrical Specialty Co.
MASTERLOUIT
 Kellogg Switchboard & Supply Co.
MASTERPHONE
 Kellogg Switchboard & Supply Co.
MASTERPRO
 Rek-O-Kut Co.
MATSURF
 Arkwright Finishing Co.
MAXIMAR
 General Electric X-Ray Corp.
MAXMIXER
 Special Products Co.
MAXISCOPE
 General Electric X-Ray Corp.
M. B. C.
 Ray-O-Vac Co.
MEASURAY
 Sheffield Corp.
MEDIQUARTZ
 Dallons Labs.
MEDISINE
 Dallons Labs.
MEDITHERM
 Dallons Labs.
MEFCO
 Production Engrg. Co.
MEG-METER
 Winslow Co., Inc., The
MEGA-MARKER
 Kay Electric Co.
MEGA-MATCH
 Kay Electric Co.
MEGA-NODE
 Kay Electric Co.
MEGA-PIPPER
 Kay Electric Co.
MEGA-PULSER
 Kay Electric Co.

MEGA-SWEEP
Kay Electric Co.

MEGALIGNER
Kay Electric Co.

MEGALYZER
Kay Electric Co.

MEGALYZER JR.
Kay Electric Co.

MEGATENNA
Kay Electric Co.

MEGAVAC
Central Scientific Co.

MEGGER
Biddle Co., James G.

MEGOHMER
Sticht Co., Inc., Herman H.

MEISSNER
Maguire Industries

MELATINE
Ciba Co., Inc.

MELCO
Melrath Supply & Gasket Co.

MELMAC
American Cyanamid Co., Plastic Div.

MELODIER
Waters Conley Co.

MELODISC
Home Recording Products Corp.

MEMCO
Maryland Electronic Mfg. Corp.

MERCTRON
Ebert Engineering & Mfg. Co.

MERCU-TROL
Mack Electrical Devices, Inc.

MERCURYSTAT
Westinghouse Electric Corp.

MERITONE
Autocrat Radio Co.

MERITONE
International Merit Products Corp.

MERIT POINT
Eldeen Co., The

MEROLA
Crosley Corp.

MERRYMAKER
Crosley Corp.

METAL MIKE
Sperry Gyroscope Co.
Div. of the Sperry Corp.

METAL SHIELDED WIRE
Uniform Tubes

METALAST
Elematic Equipment Corp.

METALASTIC
Cook Electric Co.

METALCOTE
American Resinous Chemical Co.

METALIX
North American Philips Co., Inc.

METALSEAL
Brush Development Company, The

METAMETER
Bristol Co., The

METAPHONE
Bristol Co., The

METAVANE
Bristol Co., The

METCLAD
I-T-E Circuit Breaker Co.

METERMAX
Leeds & Northrup Co.

METEROL
Automatic Temperature Control Co.

METL-CAN
Pyramid Electric Co.

MET-L-FLEX
Robinson Aviation, Inc.

METRO-LITE
Viewlex, Inc.

METRONOMA
Crystal Research Labs. Inc.

METROTHERM
General Controls Co.

MICABOND
Continental Diamond Fibre Co.

MICA-GLAS
National Electric Coil Co.

MICANITE
Mica Insulator Co.

MICARTA
Westinghouse Electric Corp.

MICO
Mica Insulator Co.

MICRO
New Hampshire Ball Bearings

MICROACT
Bristol Co., The

MICRODISC
Wagner Recorder Mfg. Corp.

MICRODRILL
Teletronics Laboratory, Inc.

MICRODYNE
Audak Co.

MICROFLASH
General Radio Co.

MICROFLEX
Eagle Signal Corp.

MICROLINE
Sperry Gyroscope Co.

MICRO-MATCH
Jones Electronics Co., M. C.

MICROMAX
Leeds & Northrup Co.

MICRO-MIKER
Kalbfell Labs.

MICROMOTORS
Redmond Co., Inc.

MICRO-POT
Gibbs Div.
George W. Borg Corp.

MICRO-PULSER
Kay Electric Co.

MICROSEN
Manning, Maxwell & Moore, Inc.

MICROSIL
Magnetic Metals Co.

MICROTORQUE
Giannini & Co., Inc.

MICRO-TROLLER
Westinghouse Electric Corp.

MICROVAC
Stokes Machine Co., F. J.

MICROVOLTER
Ferris Instrument Co.

MICRO WEAVE
Holliston Mills Inc., The

MIDGETROL
P. R. Mallory & Co., Inc.

MIDOHM
Driver-Harris Co.

MIDWAY
Cardwell Mfg. Corp., Allen D.

MIGHTY MIDGET
Sperman Metal Specialties

MIJAKON
Fast & Co., John E.

MIKASUB
Fast & Co., John E.

MIKESTER
Art Specialty Co.

MILLISEC RELAY
Stevens-Arnold, Inc.

MINALITE
Westinghouse Electric Corp.

MINATROL
Westinghouse Electric Corp.

MINERALIGHT
Ultra-Violet Products, Inc.

MINIGRAPH
Westinghouse Electric Corp.

MINI-AMP
Industrial Devices, Inc.

MINI MAX
National Carbon Co.

MINIMOTOR
Alni Corp.

MINISCALER
Atomic Instrument Co.

MINI-SHIELD
Staver Co., Inc.

MINI-SIGNAL
Premier Crystal Labs., Inc.

MINI-SPRING
Staver Co., Inc.

MINI-VOLT
Industrial Devices, Inc.

MINICAP
Solar Mfg. Corp.

MINSTREL
Crosley Corp.

MINSUA
Keuffel & Esser Co.

MIRRAGRAPH
Western Electric Co., Inc.

MIRROR TONE
Meck Industries, John
M. L. S.
Paisley Products Inc.

MOBILPHONE
Gross Electronics, Inc.

MODIFIED HILO
Driver Co., Wilbur B.

MODUFLOW
Minneapolis-Honeywell Regulator Co.

MODULITE
Berndt-Bach, Inc.

MOLDARTA
Westinghouse Electric Corp.

MOLDITE
National Moldite Co.

MOLDLOCK
American Brass Co.

MOLDTEX
Racon Electric Co.

MOLECULE SQUEEZER
Robinette Co., W. C.

MONEL
The International Nickel Co., Inc.

MONISEAL
Magnetic Metals Co.

MONISEAL "444"
Carpenter Steel Co.

MON-KEY

MONOBLOCK
Winchester Electronics Co.
Electric Eye Equip. Co.

MONOCOIL
Elliott Mfg. Co.

MONOBAR
Tibbetts Industries, Inc.

MONODRUM
Gorrell & Gorrell

MONOMOTORS
Redmond Co., Inc.

MONOPHONE
Automatic Electric Co.

MONOPLEX
Shure Brothers

MONOSET
Bristol Co., The

MONO SET
Telex, Inc.

MONOTUBE
Tuttle & Kift

MONTE CARLO
Televista Corp. of America

MORTEX
Moore Co., Howard J.

MOTO-MITE
Globe Industries

MOTORFLEX
Martindale Electric Co.

MOTORLITE
Ward Leonard Electric Co.

MOTOR WATCHMAN
Westinghouse Electric Corp.

MOT-O-TROL
Westinghouse Electric Corp.

MOTRON
Robinette Co., W. C.

MPB
Miniature Precision Bearings, Inc.

M-SCOPE
Fisher Research Lab.

MUCHROHM
Magnetic Metals Co.

MUFFLESTONE
The Celotex Corp.

MULTI-ANALYST
Electronic Instrument Co., Inc.

MULTIBREAKER
Square D Co.

MULTICARDIOTRON
Electro-Physical Labs.

MULTICORE
British Industries Corp.

MULTICOUPLER
Amy, Aceves & King, Inc.

MULTIFAX
Western Union Telegraph Co.

MULTIFLEX
Eagle Signal Corp.

MULTI-LOW-RANGE
Dillon & Co., Inc., W. C.

MULTI-MASTER
Precision Apparatus Co.

MULTIMET
Haynes Stellite Co.
Unit of Union Carbide & Carbon Corp.

MULTIMETER
Rawson Electrical Instrument Co.

MULTIPLANE
Lord Mfg. Co.

MULTIPLUG
Allied Elec. Instrument Co.

MULTI-RECTIFIER
Green Electric Co., Inc.

MULTISCALER
Atomic Instrument Co.

MULTI-SWAGE PROCESS
Bead Chain Mfg. Co., The

MULTITROL
Ward Leonard Electric Co.

MULTIVIDEO
Industrial Television, Inc.

MULTIVISION
Industrial Television, Inc.

MULTIVISION SCREEN
House of Television

MULTIVOLT
Ohmite Mfg. Co.

MULTRASCOPE
Peerless Labs.

- MULTRATHERM**
Peerless Labs.
- MUSIKING**
Hollywood Radio Cabinet Co.
- MU-SWITCH**
The Chase-Shawmut Co.
- MYCALEX 400**
Mycalex Corp. of America
- MYCALEX 410**
Mycalex Corp. of America
- MYCALEX K**
Mycalex Corp. of America
- MYKA PLAST**
United Condenser Corp.
- MYKROY**
Electronic Mechanics, Inc.
- MYSTAPHONE**
Taybern Equipment Co.
- MYSTERY**
Taybern Equipment Co.
- 999 "PLUS"**
Handy & Harman
- NA-ALD**
Alden Products Co.
- NALCO**
National Lead Co.
- NALCO**
North American Electric Lamp Co.
- NASAT**
Westinghouse Electric Corp.
- NATIONAL**
Valco Mfg. Co.
- NATVAR**
National Varnished Products Corp.
- NAUGAHYDE**
U. S. Rubber Co.
- NEILLITE**
Watertown Mfg. Co.
- NEMCO**
National Electronic Mfg. Co.
- N. E. M. S.**
National Electrical Machine Shops, Inc.
- NEOLAY**
U. S. Rubber Co.
- NE-O-LITE**
General Cement Mfg. Co.
- NEO-SIL**
Radio Development & Research Co.
- NEPEC**
Centralab Div.
Globe Union Inc.
- NEUTRASEAL**
Cook Electric Co.
- NEVERSLIP**
Philadelphia Steel & Wire Co.
- NEY-ORD**
Ney Co., J. M.
- NICAD**
Nickel Cadmium Corp.
- NICHROME**
Driver-Harris Co.
- NILSTAIN**
Driver Co., Wilbur B.
- NILVAR**
Driver-Harris Co.
- NIREX**
Driver-Harris Co.
- NITE-T-LITE**
Littelfuse, Inc.
- NITRON**
Monsanto Chemical Co.
Plastics Div.
- NIXON CA**
Nixon Nitration Works
- NIXON CN**
Nixon Nitration Works
- NIXON EC**
Nixon Nitration Works
- NOARK**
Federal Electric Products Co.
- NOBATRON**
Sorensen & Co., Inc.
- NOBLELOY**
Continental Carbon, Inc.
- NOFLAME-COR**
Cornish Wire Co.
- NO FOME**
L & R Mfg. Co.
- NOISERASER**
Minnesota Electronics Corp.
- NOKORODE**
Dunton Co., D. W., The
- NOMU**
Magnetic Metals Co.
- NON-LINK**
Positive Lock Washer Co.
- NORELCO**
North American Philips Co., Inc.
- NORLOC**
Norton Labs., Inc.
- NORTHEAST**
Delco Appliance Div.
General Motors Corp.
- NO-SPAT**
Midland Paint & Varnish Co.
- NTC**
Keystone Carbon Co., Inc.
- N. U.**
National Union Radio Corp.
- NU-BLAC**
Star Porcelain Co.
- NUCAMITE**
National Union Radio Corp.
- NUCLEOMETER**
Radiation Counter Labs., Inc.
- NUKEMITE**
Nukem Products Corp.
- NU PAMITE**
National Union Radio Corp.
- NWL**
Nothelfer Winding Labs.
- NYLOK**
Production Engrg. Co.
- NYLON**
du Pont de Nemours & Co., Inc., E. I.
- NYLONITE**
Plastic Wire & Cable Corp.
- NYLON-ZIP**
Waldas Kohinoor Inc.
- OKAWOOD**
Weaver Specialty Co.
- OHIOHM**
Ohio Carbon Co.
- OHMOID**
Wilmington Fibre Specialty Co.
- OHM-SPUN**
States Co.
- OILDAG**
Acheson Colloids Corp.
- OILITE**
Amplex Div.
Chrysler Corp.
- OKOBESTOS**
Okonite Co.
- OKOGLASS**
Okonite Co.
- OKOLENE**
Okonite Co.
- OKOLITE**
Okonite Co.
- OKOPRENE**
Okonite Co.
- OKOSEAL**
Okonite Co.
- 1000 SPAR**
Standard Varnish Works
- OPACIFIER**
Titanium Alloy Mfg. Co.
- OPTIMATIC**
Minneapolis-Honeywell Regulator Co.
- OPTO-MATIC**
Trico Fuse Mfg. Co.
- ORACO**
Oak Ridge Antennas Div. of
Video Television Inc.
- ORTHOCHROM**
Rohm & Haas Co.
- ORTHOLITE**
Rohm & Haas Co.
- ORTHOSONIC**
Electronic Labs., Inc.
- OSISO**
Westinghouse Electric Corp.
- OSTERMOTORS**
Oster Mfg. Co., John
- OSCILLO-RECORD**
Fairchild Camera & Instrument Corp.
- OUNCER**
United Transformer Corp.
- OXWELD**
Linde Air Products Co.
Unit of Union Carbide & Carbon Corp.
- OZALID**
General Aniline & Film Corp., Ozalid Div.
- OZOTEST**
Thermionic Engr. Corp.
- PAISOL**
Paisley Products, Inc.
- PAISTEX**
Paisley Products, Inc.
- PAISTIC**
Paisley Products, Inc.
- PAISTICK**
Paisley Products, Inc.
- PALINEY**
Ney Co., J. M.
- PAL**
Palnut Co., Inc.
- PANADAPTOR**
Panoramic Radio Products, Inc.
- PANALYZOR**
Panoramic Radio Products, Inc.
- PANAMUSE**
Farnsworth Television & Radio Corp.
- PANATROPE**
Brunswick Radio & Television Div., Radio & Television, Inc.
- PANDEX**
Westinghouse Electric Corp.
- PANELTONE**
Ansley Radio Corp.
- PANELYTE**
St. Regis Paper Co., Panelyte Div.
- PANTO**
Preis Engraving Machine Co.
- PANT-O-JECTOR**
Engineers Specialties Div.
Universal Engraving & Colorplate Co.
- PANT-O-SCRIBER**
Engineers Specialties Div. Universal Engraving & Colorplate Co.
- PAPERITE**
Acme Wire Co.
- PARACORE**
U. S. Rubber Co.
- PARA-FLUX**
Radio Music Corp.
- PARAGON**
Keuffel & Esser Co.
- PARAGUTTA**
Western Electric Co., Inc.
- PARAPLEX**
Rohm & Haas Co.
- PARAVOX**
Paraphone Hearing Aid, Inc.
- PARKERIZING**
Parker Rust Proof Co.
- PARCO LUBRIZING**
Parker Rust Proof Co.
- PARLON**
Hercules Powder Co.
- PASSMOUR**
Pass & Seymour, Inc.
- PATHFINDER**
Submarine Signal Div.,
Raytheon Mfg. Co.
- PATTERSON LUMINESCENT**
du Pont de Nemours & Co., Inc., E. I.
- PEDIGREED**
Western Electric Co., Inc.
- PEERLESS**
Altec Lansing Corp.
- PEERLESS**
National Vulcanized Fibre Co.
- PEL-X**
Holliston Mills, Inc., The
- PEM**
Penn Engineering & Mfg. Corp.
- PENACOLITE**
Koppers Co., Inc.
- PERBUNAN**
Esso Standard Oil Co.
- PERCO**
Pioneer Electric & Research Corp., The
- PERFECT-O-CUT**
Tablet & Ticket Co.
- PERKINS**
Westinghouse Electric Corp.
- PERMACELL**
U. S. Rubber Co.
- PERMALITIES**
Universal Microphone Co.
- PERMALLOY**
Arnold Engineering Co.
- PERMANITE**
Foote Mineral Co.
- PERMANITE**
I-T-E Circuit Breaker Co.
- PERMA-POWER**
General Transformer Corp.
- PERMATUNE**
S-W Inductor Co.
- PERMAZINC**
Locke Incorporated
- PERMINVAR**
Western Electric Co., Inc.
- PHANO**
Dixon Crucible Co., Joseph
- PHASEFORMER**
Eastern Specialty Co.
- PHENOCOTE**
Wirt Co.
- PHENOL FIBRE**
Taylor Fibre Co.
- PHENOLITE**
National Vulcanized Fibre Co.
- PHENROK**
Fabricon Prods., Inc.
- PHILHARMONIC**
Espy Mfg. Co., Inc.

ALMOR
 Urison Brothers
PHIL-TROL
 Phillips Control Corp.
PHONOCORD
 Packard-Bell Co., Inc.
PHONOLA
 Waters Conley Co.
PHONOPHRAGMS
 Magnetic Metals Co.
PHONO POINT
 Eldeen Co., The
PHOS-COPPER
 Westinghouse Electric Corp.
PHOTACT
 Keuffel & Esser Co.
PHOTO-ARC
 Peerless Photo Products
PHOTOCOPYER
 American Photocopy Equip. Co.
PHOTOLUX
 Westinghouse Electric Corp.
PHOTOMATIC
 Western Electric Co., Inc.
PHOTO-TROLLER
 Westinghouse Electric Corp.
PHOTOTRONIC
 Weston Electrical Instrument Co.
PHOTOX
 Westinghouse Electric Corp.
PHOTRONIC
 Weston Electrical Instrument Co.
PIEZO-RAY
 Commercial Research Labs., Inc.
PILOTONE
 Pilot Radio Corp.
PILOTROL
 Bailey Meter Co.
PINCOR
 Pioneer Gen-E-Motor Corp.
PLASKON ALKYD
 Plaskon Div., Libbey-Owens-Ford Glass Co.
PLAST-CORIRON
 Plastics Metals Division
 The National Radiator Co.
PLASTACELE
 du Pont de Nemours & Co., Inc., E. I.
PLASTICLEAN
 House of Television
PLASTICON
 Plastic Wire & Cable Corp.
PLASTI-GRIP
 Aircraft-Marine Prods., Inc.
PLASTIK FOIL
 Peerless Roll Leaf Co., Inc.
PLASTIMOLD
 Emerson Radio & Phonograph Corp.
PLAST-IRON
 Plastics Metals Division
 The National Radiator Co.
PLASTITE
 Whitney Blake Co.
PLAST-MAGNETITE
 Plastic Metals Division
 National Radiator Co., The
PLAST-MANGANESE
 Plastic Metals Division
 National Radiator Co., The
PLAST-NICKEL
 Plastic Metals Division
 National Radiator Co., The
PLAST-O-DIP
 Aeroil Products Co.
PLASTO PAK
 Standard Varnish Works
PLAST-SILICON
 Plastic Metals Division
 National Radiator Co., The
PLAST-SPONGE
 Plastic Metals Division
 National Radiator Co., The
PLAST-STEEL
 Plastic Metals Division
 National Radiator Co., The
PLAX PAK
 Plax Corp.
PLAYBACK
 Reeves Soundcraft Corp.
PLAYBOY
 Crosley Corp.
PLAYTIME
 Crosley Corp.
PLENTI-POWER
 Westinghouse Electric Corp.
PLEXENE
 Rohm & Haas Co.
PLEXICON
 Erie Resistor Corp.
PLEXIGLAS
 Rohm & Haas Co.

PLIABOOK
 Paisley Products, Inc.
PLIASTIC
 Paisley Products, Inc.
PLIATAB
 Paisley Products, Inc.
PLIOBOND
 Goodyear Tire & Rubber Co.
PLIOGRIP
 Goodyear Tire & Rubber Co.
PLIOLITE
 Goodyear Tire & Rubber Co.
PLIOLITE
 Resistoflex Corp.
PLIOTHERM
 Goodyear Tire & Rubber Co.
PLIO-TUF
 Goodyear Tire & Rubber Co.
PLIOVIC
 Goodyear Tire & Rubber Co.
PLYA-SEAL
 Fafnir Bearing Co.
PLYMOUTH
 Meck Industries, John
PLYOPHEN
 Reichhold Chemicals, Inc.
PN
 Brush Development Co.
POCKETSCOPE
 Waterman Products Co., Inc.
POLECTRON
 General Aniline & Film Corp.
POLICARB
 Driver Co., Wilbur B.
POLIMERATOR
 Short Wave Plastic Forming Co.
POLYCO
 Polymer Corp., The
POLYFLEX
 Plax Corp.
POLYMET
 Cosmic Radio Corp.
POLY-PENDANCE
 Standard Transformer Corp.
POLYPHONIC SOUND
 Electronic Sound Engineering Co.
POLYPHONIC SOUND
 Universal Broadcast Equipment Corp.
POLY PLASTIC
 Standard Varnish Works
POLY RANGER
 Sensitive Research Instrument Co.
POLYTHENE
 du Pont de Nemours & Co., Inc., E. I.
POLY-VISO
 Sanborn Co.
POLYWELD
 American Phenolic Corp.
PORTA-POWER
 General Transformer Corp.
PORTAPOWER
 Electronic Labs., Inc.
PORTENTIOTROLS
 Wheelco Instruments Co.
PORTOPHONE
 Harris Mfg. Co.
POTENTIOTIALS
 Wheelco Instruments Co.
POST-LITE
 Littelfuse, Inc.
POWDIRON
 Bound Brook Oil-Less Bearing Co.
POWER-FLEX
 Dumore Co., The
POWER VOICE
 Taybern Equipment Co.
POWERSTAT
 Superior Electric Co.
POWMINCO
 Powhatan Mining Co.
POW-R-FUL
 Western Cable Battery Co., Inc.
PRECIPITRON
 Westinghouse Electric Corp.
PRECISIONAIRE
 Sheffield Corp.
PRECISIONER
 Maico Co., Inc.
PRECISION-GAUGED
 Precision Products Co.
PREGWOOD
 Formica Insulation Co.
PREMIER-TONE
 Premier Metal Etching Co.
PRESET
 Bristol Co., The
PresSURE
 Buchanan Electrical Products Corp.
PRESSUREGRAPH
 Electro Products Labs., Inc.
PRESTEEL
 Worcester Pressed Steel Co.

PRESTITE
 Westinghouse Electric Corp.
PREST-O-LITE
 Linde Air Products Co.
 Unit of Union Carbide & Carbon Corp.
PREST-O-WELD
 Linde Air Products Co.
 Unit of Union Carbide & Carbon Corp.
PRESSWOOD
 Masonite Corp.
PRMCO
 Ports Mfg. Co.
PROGAR
 Langevin Co., Inc.
PROKAR
 Sprague Electric Co.
PROMATIC
 General Control Company
PROMCO
 Progressive Mfg. Co.
PROPELLAIR
 Robbins & Myers, Inc.
PROTECTOGLO
 Minneapolis-Honeywell Regulator Co.
PROTECTORRELAY
 Minneapolis-Honeywell Regulator Co.
PROTECTOR
 Brinnell Co., The
PROTELGRAM
 North American Philips Co.
PROVAC
 Electronic Designs, Inc.
PRYSTAL
 Catalin Corp. of America
P & S
 Pass & Seymour, Inc.
PULSING DRIVE
 Yardeny Laboratories, Inc.
PURATONE
 Brach Mfg. Corp., L. S.
PUREBON
 Pure Carbon Co.
PURETUNG
 Callite Tungsten Corp.
PUROX
 Linde Air Products Co.
 Unit of Union Carbide & Carbon Corp.
PWC
 Plastic Wire & Cable Corp.
PYGMY
 Vulcan Electric Co.
PYLETS
 Pyle-National Co.
PYRALIN
 du Pont de Nemours & Co., Inc., E. I.
 Plastics Dept.
PYREX
 Corning Glass Works
PYRO
 Pyrometer Instrument Co.
PYROCON
 Illinois Testing Labs., Inc.
PYRODYN
 Skydyne, Inc.
PYROLANCE
 Illinois Testing Labs., Inc.
PYROMASTER
 Bristol Co., The
PYROTESTER
 Electro-Tech Equipment Co.
PYROTRON
 Bailey Meter Co.
PYROVAC
 Eitel-McCullough, Inc.

Q-LACE
 Guthman Inc., Edwin I.
Q-MAX
 Communication Prods. Co., Inc.
QUADRILINE
 Radio Engrng. Labs., Inc.
QUARTZ Q
 Millen Mfg. Co., James
QUELARC
 Pyle-National Co.
QUICKLAG
 Westinghouse Electric Corp.
QUICK-LOCK
 Simmons Fastener Corp.
QUIETONE
 Condenser Corp. of America
QUIK-CALL
 Motorola, Inc.
QUIK-SHOT
 Kemode Mfg. Co.
QUINORGO
 Johns-Manville Sales Corp.
QUINTERRA
 Johns-Manville Sales Corp.

"R" MONEL

The International Nickel Co., Inc.

RACON BROADBAND

Racon Electric Co.

RAD-A-COR

Magnetic Core Corp.

RADAIR

Bassett Inc., Rex

RADALARM

Communications Co., Inc.

RADEX

Boston Insulated Wire & Cable Co.

RADIART

Maguire Industries, Inc.

RADIOCARB A

Driver Co., Wilbur B.

RADIO EAR

Myers & Sons, E. A.

RADIOGUIDE

Radio Navigational Instrument Corp.

RADIO INDUCTOGRAPH

Inductograph Lab.

RADIOHM

Driver-Harris Co.

RADIOHMS

Centralab Div.

Globe Union, Inc.

RADIOTONE

Ellinwood Industries

RAD-O-RECORDER

Makan, Inc.

RAILITE

Amplex Div.

Chrysler Corp.

RANCOSTAT

Ranco, Inc.

RANGE LUGS

Frankel Connector Co.

RANGE MASTER

Bradshaw Instruments Co.

RANGER

Electronic Specialty Co.

RANGER

J. F. D. Mfg. Co.

RANGER

Westinghouse Electric Corp.

RANGERECD

Rangertone, Inc.

RANGERECDER

Rangertone, Inc.

RANGESPLICES

Frankel Connector Co.

RANGETAPS

Frankel Connector Co.

RATOSIGHTS

Fisher & Porter Co.

RATOSLEEVES

Fisher & Porter Co.

RATOTRONIC

Fisher & Porter Co.

RAYCHRONIX

Radioactive Products, Inc.

RAYCHRONOMETER

Radioactive Products, Inc.

RAYDIST

Hastings Instrument Co.

RAYFUSER

Radioactive Products, Inc.

RAYMERSON

Trumbull Electric Mfg. Co.

RAYONIC

Waterman Products Co., Inc.

RAYSONDE

Friez Instrument Div.

Bendix Aviation Corp.

RAYPHOTO

Times Facsimile Corp.

RAYTHEON-BELMONT

Belmont Radio Co., Div. Raytheon Mfg. Co.

R B & W

Russell, Burdsall & Ward Bolt and Nut Co.

RDR

Radio Development & Research Co.

REACTRON

United Condenser Corp.

READO

Crosley Corp.

RECEPTRON

Howard Mfg. Corp.

RE-CIRK-IT

Heinemann Electric Co.

RECO

Rectifier Engrng. Co.

RECO

Reynolds Electric Co.

REC-O-PAD

Whe-Gro Co.

RECORD-A-CALL

Crystal Devices Co., Inc.

RECORDALL

Miles Reproducer Co., Inc.

RECORDETTTE

Wilcox-Gay Corp.

RECORDIO

Wilcox-Gay Corp.

RECORDIOPPOINT

Wilcox-Gay Corp.

RECORDISES

Recordisc Corp.

RE-CORD-O-FONE

Bell Sound Systems, Inc.

RE-CORD-O-FONE

Whe-Gro Co.

RECTOMATIC

Westinghouse Electric Corp.

RECTOPLATER

Mailory & Co., Inc., P. R.

RECTOSTARTER

McColpin-Christie Corp.

RECTOX

Westinghouse Electric Corp.

RECTROL

Electro-Tech Equipment Co.

REDFLASH

Vaco Products Co.

RED HEAD

Girdler Corp.

Thermex Div.

RED LETTER

Ruby Chemical Co.

RED STREAK

Brown-Bridge Mills, Inc.

REFRACTALOV

Westinghouse Electric Corp.

REGOHM

Electric Regulator Corp.

REGULITE

Ward Leonard Electric Co.

REKORDER

Gorrell & Gorrell

RELATROL

Automatic Temperature Control Co.

RELAYMATIC

Kellogg Switchboard & Supply Co.

RELIO

U. S. Rubber Co.

REMACO

Clarkstan Corp.

REMBRANDT

Remington Radio Corp.

REMO-TE-O-CABLE

J. F. D. Mfg. Co.

REN

Nebel Lab., R. E.

REPCO

Hollywood Radio Cabinet Co.

RESIGUM

Paisley Products Inc.

RESIMENE

Monsanto Chemical Co.

Plastics Div.

RESINOX

Monsanto Chemical Co.

Plastics Div.

RESI-RAP

Paisley Products Inc.

RESISTOL

Colver Insulated Wire Co.

RETRAX

Aviometer Div. of Roanwell Corp.

REVERSIT

Rattan Mfg. Co., The

REX

Davis & Murphy

REXFLEX

Chicago Metal Hose Corp.

REXON

Hamilton Kent Mfg. Co., Inc.

REXTUBE

Chicago Metal Hose Corp.

REXVANE

Westinghouse Electric Corp.

REXWELD

Chicago Metal Hose Corp.

REZISTAL

Crucible Steel Co. of America

RHINOBESTOS

Westinghouse Electric Corp.

RHOMAX

Magnetic Metals Co.

RHOMU

Magnetic Metals Co.

RHONITE

Rohm & Haas Co.

RIB FLEX

Ward Leonard Electric Co.

RIBOHM

Ward Leonard Electric Co.

RIGFAST

Oak Ridge Antennas Div. of Video

Television, Inc.

RING-SEAL

Viking Products Sales Co.

RINKOLIN

Standard Varnish Works

R. I. P.

Westinghouse Electric Corp.

RITEOHM

Ohmite Mfg. Co.

RITE-SPOT

Hall Co., Gordon L.

R & M

Robbins & Myers, Inc.

R M B

Landis Gyr, Inc.

RME

Radio Mfg. Engineers, Inc.

ROBOLITES

Universal Microphone Co.

ROBOTPHONE

St. Louis Microphone Co.

ROBOTROL

Reliance Automatic Lighting Co.

ROGER

Aviometer Div. of Roanwell Corp.

ROL-TOP

Boots Aircraft Nut Corp.

ROTO-BEAM

Gordon Specialties Co.

ROTO BEAM

Kings Electronics Co.

ROTO-COUNT

Automatic Temperature Control Co., Inc.

ROTO FORMER

Westinghouse Electric Corp.

E. F. Johnson Co.

ROTOMATIC

Johnson Co., E. F.

ROTOMOUNT

Premax Products Div.

Chisholm-Ryder, Inc.

ROTOTROL

Westinghouse Electric Corp.

ROTO-VISION

Illinois Wood Products Corp.

RO-TRAN

Rome Cable Corp.

ROYAL

General Lead Batteries Co.

ROYAL

U. S. Rubber Co.

ROYAL CORD

U. S. Rubber Co.

ROYAL GOLD

U. S. Rubber Co.

ROYAL JEWEL

Jensen Industries, Inc.

ROYAL MASTER

U. S. Rubber Co.

ROYALITE

U. S. Rubber Co.

R P C

Resistance Products Co.

R S M C

Radio Specialty Mfg. Co.

R T L

Peirce Wire Recorder Corp.

RUBALT

Hague & Co., Inc., Alfred

RUBCORD

U. S. Rubber Co.

RUBSEC

U. S. Rubber Co.

RUB-TEX

Richardson Co.

RUBYFLUID

Ruby Chemical Co.

RUCCO

Ruby Chemical Co.

RUF KOAT

General Cement Mfg. Co.

RUSH

Eraser Co., Inc.

RUST-BAN

Esso Standard Oil Co.

R V

Clarkstan Corp.

RYERTEX

Ryerson & Son, Inc., Joseph T.

SAFE-T

Rumac Mfg. Co.

SAFE-T-PLUG

Littelfuse Inc.

SAFE-T-SPARKY

Littelfuse Inc.

SAFLEX

Square D Co.

SAFLEX

Monsanto Chemical Co.

SANACOUSTIC

Johns-Manville Sales Corp.

ANFORD-BENNETT
 Rubicon Co.
SARAN
 Dow Chemical Co.
SAT-N-DIP
 Frederick Gumm Chemical Co., Inc.
SAUTER TIME SWITCHES
 Cramer Co., Inc., R. W.
SAV-A-SHAFT
 National Union Radio Corp.
S/B
 Vaco Products Co..
SCALE-O-MATIC
 Technical Associates
SCOTTIE
 Remler Co., Ltd.
SEALDOHM
 Daven Co.
SEALDTITE
 Solar Mfg. Co.
SEALEX
 General Ceramics & Steatite Corp.
SEALNUT
 Radio Frequency Labs., Inc.
SEAL-O-FLANGE
 Communication Prods. Co., Inc.
SEALTEMP
 Solar Mfg. Corp.
SEAMASTER
 Dine & Co., Inc., F. E.
SECO
 American Plastic Products
SELECTO-CALL
 Federal Telephone & Radio Corp.
SELECT-O-PHONE
 Kellogg Switchboard & Supply Co.
SELECTOR
 Do All Co.
SELECTRON
 Do All Co.
SELECTRONICS
 Selenium Corp. of America
SELECTRO-PLATERS
 Green Electric Co., Inc.
SELETRON
 Radio Receptor Co.
SELFUBE
 Keystone Carbon Co., Inc.
SEMS
 Lamson & Sessions Co.
SEMS
 Manufacturers Screw Products
SENSATHERM
 Mercoid Corp.
SENSITROL
 Weston Electrical Instrument Co.
SENSITRON
 Weston Electrical Instrument Co.
SENTINEL
 Photobell Company
SENTINEL
 Westinghouse Electric Corp.
SERVOBOARD
 Servo Corp. of America
SERVOFLIGHT
 Servo Corp. of America
SERVOGRAPH
 Servo-Tek Products Co.
SERVOSCOPE
 Servo Corp. of America
SERV-RITE
 Gordon & Co., C. S.
SHADOWCONTROL
 Autotron Co., The
SHADOWCOUNT
 Autotron Co., The
SHADOWMASTER
 Autotron Co., The
SHANNON GLOW
 Shannon Luminous Materials Co.
SHUR GRIP
 Parker-Kalon Corp.
SHURITE
 J B T Instruments Inc.
SIECO
 Sherman Industrial Electronics Co., Inc.
SIGHT METER
 Weston Electrical Instrument Co.
SIGNALINER
 Feiler Engineering Co.
SILASTIC
 Dow Corning Corp.
SILCAZ
 Electro Metallurgical Co.
 Unit of Union Carbide & Carbon Corp.
SILENTBLOC
 The General Tire & Rubber Co.
 Silentbloc Div.
SILENT SENTINEL
 Westinghouse Electric Corp.
SILFLEX
 Varflex Corp.

SIL-FOS
 Handy & Harman
SILKENITE
 Acme Wire Co.
SILVALOY
 Linde Air Products Co.
 Unit of Union Carbide & Carbon Corp.
SILVERCOTE
 Little Falls Alloys, Inc.
SILVERMIKE
 Condenser Corp. of America
SILVER-O
 Decimeter, Inc.
SILVERSTAT
 Westinghouse Electric Corp.
SILVERTONE
 Colonial Radio Corp.
SIMPAC
 Westinghouse Electric Corp.
SIMPLI-FLEX
 Radiart Corp, The
SIMPLYTROL
 Assembly Prods., Inc.
SIXTY
 Shure Brothers
SKANASCOPE
 Skanateles Mfg. Co., Inc.
SKL
 Spencer-Kennedy Labs., Inc.
SKORESIN
 Skoning Corp.
S.K.S.
 Paisley Products, Inc.
SKY BEAM
 Lyte Parts Co.
SKYFONE
 Hallicrafters Co.
SKYGUIDE
 Philco Corp.
SKY-KING
 J. F. D. Mfg. Co.
SKYPLY
 Skydyne, Inc.
SKY-WEIGHT
 Continental Electronics, Ltd.
SLIDEOHM
 Aerovox Corp.
SLIPSTICK
 Decimeter, Inc.
SLIPSYN
 Westinghouse Electric Corp.
SLO-BLO
 Littelfuse, Inc.
SMOKGAGE
 Ess Instrument Co.
SMUTBATH
 Special Chemicals Co.
SMZ
 Electro Metallurgical Co.
 Unit of Union Carbide & Carbon Corp.
SOLDALLOY
 Mallory & Co., Inc., P. R.
SOLDER MASTER
 Hexacon Electric Co.
SOLDERLITE
 Weller Mfg. Co.
SOLISTRAND
 Aircraft-Marine Prods., Inc.
SOLITE
 Solar Mfg. Corp.
SOLO-PAK
 Ailen-Howe Electronics Corp.
SOLOTRON
 Modern Hearing Aids Laboratory, The
SOLU-BRIDGE
 Industrial Instruments, Inc.
SONACTOR
 Kay Electric Co.
SONA-GRAPH
 Kay Electric Co.
SONALATOR
 Kay Electric Co.
SONCERA
 Poinsettia, Inc.
SONIC EAR
 Taybarn Equipment Co.
SONODYNE
 Shure Brothers
SONO-PROBE
 Aircraft Electronics Associates, Inc.
SONDTONE
 Sonotone Corp.
SOS
 Chaslyn Co.
SOUNDCASTER
 Operadio Mfg. Co.
SOUNDEX
 Proctor Soundex Corp.
SOUND CELL
 Brush Development Co.
SOUND ISOLATION BLANKET
 Johns-Manville Sales Corp.

SOUNDMIRROR
 Brush Development Co.
SOUNDRAP
 Miles Reproducer Co., Inc.
SOUNDVIEW
 Tech-Master Products Co.
SPARKFLASH
 Triumph Mfg. Co.
SPARTON
 Gilner Mfg. Co.
SPARX
 McMurdo Silver Co., Inc.
SPAULDITE
 Spaulding Fibre Co., Inc.
SPAULDO
 Spaulding Fibre Co., Inc.
SPECO
 Special Prods. Co.
SPECOIL
 Special Prods. Co.
SPECORAK
 Special Chemicals Co.
SPECPLATER
 Special Chemicals Co.
SPEC-POWER
 National Spectrographic Labs., Inc.
SPECTABLE
 Special Chemicals Co.
SPECTRIFIER
 Special Chemicals Corp.
SPEECH MASTER
 Jensen Mfg. Co.
SPEED CLAMPS
 Tinnerman Products Inc.
SPEED CLIPS
 Tinnerman Products Inc.
SPEEDEE
 Peck & Harvey
SPEED IRON
 Weller Mfg. Co.
SPEED LITES
 Kluge Electronics, Inc.
SPEED NUTS
 Tinnerman Products Inc.
SPEEDOMAX
 Leeds & Northrup Co.
SPEED-X
 Johnson Co., E. F.
SPEKALUMINITE
 Special Chemicals Corp.
SPEKLEEN
 Special Chemicals Co.
SPEKWITE
 Special Chemicals Co.
SPEKYELLO
 Special Chemicals Co.
SPENCER
 American Optical Co.
SPERRY DUPLEX
 Sperry Gyroscope Co.
 Div. of The Sperry Corp.
SPERRY REFLECTOGAGE
 Sperry Products, Inc.
SPERRY REFLECTSCOPE
 Sperry Products, Inc.
SPIN-HEX
 Vaco Products Co.
SPINTITE
 Stevens-Walden Inc.
SPIRALOCK
 Production Engrg. Co.
SPIRALON
 Surprenant Mfg. Co.
SPIRASHIELD
 Mutter Co.
SPOTTING SCOPE
 Argus, Inc.
SPRAY
 Paisley Products Inc.
SPRING-LIFE
 Cook Electric Co.
SPRINGLOCK
 Simmons Fastener Corp.
SQUEEZ-GRIP
 C-O Two Fire Equip. Co.
SQUEEZE-LOCK
 Buchanan Electrical Products Corp.
STABILFLO
 Foxboro Co., The
STABILINE
 Superior Electric Co.
STABILOG
 Foxboro Co., The
STACO
 Standard Electrical Products Co.
STA-KON
 Thomas & Betts Co., Inc.
STANCOR
 Standard Transformer Corp.
STANDARD
 New York Solder Co.

STANDARD ARROW
National-Simplex-Bludworth, Inc.

STANDARD BINNACLE
National-Simplex-Bludworth, Inc.

STANDATROL
Bailey Meter Co.

STANDLAC
Standard Varnish Works

STANDO
Sticht Co., Herman H.

STANELCO
Standard Telephones & Cables Ltd.

STANTEL
Standard Telephones & Cables Ltd.

STANTOX
Standard Varnish Works

STAN-TRAN
Stanwyck Winding Co.

STAR BIRD
Meletron Corp.

STAR J
Haynes Stellite Co.
Unit of Union Carbide & Carbon Corp.

STARKLINE
Stark Sound Engr. Corp.

STARTIX
Eclipse Machine Div., Bendix Aviation Corp.

STATISCOPE
Minerallac Electric Co.

STA-TRAN
Stanwyck Winding Co.

STEELKLAD
Sheboygan X-Ray Co.

STEELSET
Fish-Schurman Corp.

STEEL-SET
Paisley Products, Inc.

STERILAIRE
Ultra-Violet Products Inc.

STERILAMP
Westinghouse Electric Corp.

STERILZONE
Dallons Labs.

"STERLING CABLES"
Cossor (Canada) Ltd.

STETHERTRON
Maico Co., Inc.

STETHOSCOPE
Feiler Engineering Co.

STIKON
Ruge-DE Forest, Inc.

STILBEST
Linick Chemical Co.

STOKATIMER
Mercoid Corp.

STONEHART
Titelflex, Inc.

STRATOGRAPH
Panoramic Radio Corp.

STRATOLLNET
Shure Brothers

STRATOPAX
Cook Electric Co.

STRATOSCOPE
Panoramic Radio Corp.

STRATOTONE
Globe Electronics Inc.

STRATOVISION
Westinghouse Electric Corp.

STRESSITE
Amplex Div.
Chrysler Corp.

STRING-A-LITE
Mines Equipment Co.

STRIPMASTER
Ideal Industries, Inc.

STRIPOHM
Ward Leonard Electric Co.

STRIPSOL
Paisley Products, Inc.

STROBOCONN
Conn. Ltd., C. G.

STROBODYNE
Sperry Gyroscope Co.
Div. of The Sperry Corp.

STROBOFLASH
General Radio Co.

STROBOFLOW
Flowmeter Corp. of America

STROBO-LITE
Avia Prods. Co.

STROBOLUX
General Radio Co.

STROBOTAC
General Radio Co.

STROWDER
Automatic Electric Co.

STRUX
du Pont de Nemours & Co., Inc., E. I.
Plastics Dept.

STURTEVANT
Westinghouse Electric Corp.

STYRALOY
Dow Chemical Co.

STYRAMIC
Monsanto Chemical Co.

STYROL AC
Standard Varnish Works

STYRON
Dow Chemical Co.

SUB-CYCLE
Lorain Products Corp.

SUNFLASH
Kemlite Labs.

SUNSWITCH
Ripley Co., Inc.

SUPER-BEAM
J. F. D. Mfg. Co.

SUPEREX
Solar Mfg. Co.

SUPER EX.
Telrex, Inc.

SUPERFLAKE
Superior Flake Graphite Co.

SUPERGAIN
Lyte Parts Co.

SUPER-GLO
Cardy-Lundmark Co.

SUPERMALLOY
Arnold Engineering Co.

SUPER-OILITE
Amplex Div.
Chrysler Corp.

SUPER PRO
Hammarlund Mfg. Co.

SUPER Q
Guthman, Inc., Edwin I.

SUPERSEC
U. S. Rubber Co.

SUPERSONIC REFLECTOSCOPE
Sperry Products Inc.

SUPER TRACER
Precision Electronics

SUPER-VIEW
Brach Mfg. Corp., L. S.

SUPERWIRE
Audar Inc.

SUPER X
Western Brass Mills
Div. of Olin Industries

SUPREME
Aim Industries

SUPREME
Phonograph Needle Mfg. Co., Inc.

SUPRO
Valco Mfg. Co.

SURE FLUX
New York Solder Co.

SURFACE-ANALYZER
Brush Development Co.

SURFEX
Pass & Seymour, Inc.

SWEATLES
Paisley Products Inc.

SWEET
Jensen Industries, Inc.

SWELTERPROOF
Aviometer Div. of Roanwell Corp.

SWING-WA
Trumbull Electric Mfg. Co.

SWITCH-LITE
Littelfuse, Inc.

SWITCH-O-LITE
Hoffman Engrng. Corp.

SYLPLAST
Sylvan Plastics, Inc.

SYLVALOY
Driver Co., Wilbur B.

SYMPHONY
Hollywood Radio Cabinet Co.

SYMPHONY MASTER
Monitor Products Co.

SYNCHRO-LINK
Yardney Laboratories, Inc.

SYNCHRO-METER
Bailey Meter Co.

SYNCHRON
Hansen Mfg. Co.

SYNCHRONIZED
Self Winding Clock Co.

SYNCHRONODE
Crosley Corp.

SYNCHROTROL
Westinghouse Electric Corp.

SYNCHRO-VALVE
Bristol Co., The

SYNCOGEARS
U. S. Electrical Motors, Inc.

SYNCTRON
Dormitzer Electric & Mfg. Corp.

SYNKOTE
Plastoid Corp.

SYNRUB
U. S. Rubber Co.

SYNTHINOL
Rome Cable Corp.

SYNTHITE
Dolph Co., John C.

SYNTHOGRAPHIC
Synthane Corp.

SYNTHOLVAR
Varflex Corp.

SYNVAREN
Synvar Corp.

SYNVARITE
Synvar Corp.

SYNVAROL
Synvar Corp.

SYROCOWOOD
Syracuse Ornamental Co., Inc.

20th CENTURY
Electronic Devices Co.

T 9
Eidson Electronic Co.

TABBY
Division Lead Co.

TACO
Technical Appliance Corp.

TAG
Tagliabue Corp., C. J.

TANGLE-PROOF
Hobbs Mfg. Co.

TAKK-TRON
Takk Corp.

TAP
Continental Screw Co.

TAPE-O-GRAPH
Audio Industries

TAPE RECORDER
Ampex Electric Corp.

TAPE TACK
Paisley Products Inc.

TAPE TITE
Paisley Products Inc.

TAPER-TONE
Acton Co., H. W.

TARRYTRON
Cook Electric Co.

TATTELITE
Littelfuse, Inc.

TECO
Televista Corp. of America

TEFLON
du Pont de Nemours & Co., Inc., E. I.
Plastics Dept.

TEFSILON
Boston Insulated Wire & Cable Co.

TEGIT
Garfield Mfg. Co.

TEKTOR
Fielden Electronics Inc.

TEL-A-COR
Magnetic Core Corp.

TELAMP
Miles Reproducer Co., Inc.

TELANTUNE
Crystal Devices Co., Inc.

TELAPPROACH
American District Telegraph Co.

TELEBEAM
Marino Radio Co.

TELECLEAR
House of Television

TELEDELTO
Western Union Telegraph Co.

TELEDIPHONE
Thomas A. Edison, Inc.

TELEFAX
Western Union Telegraph Co.

TELEFILTER
House of Television

TELEHOME
Webster Electric Co.

TELEKRYPTON
Western Union Telegraph Co.

TELEMARK
Leupold & Stevens Instruments

TELEMETROSCOPE
Deutschmann Corp., Tobe

TELEMIKE
Miles Reproducer Co., Inc.

TELEPAGE
Webster Electric Co.

TELEPHOTO
Acme Telectronix Div. of NEA Service, Inc.

TELEPLATE
Whitney Blake Co.

TELEPRENE
Whitney Blake Co.

TELESET
Telex, Inc.

TELESONIC
 U. S. Television Mfg. Corp.
TELESPATCH
 Webster Electric Co.
TELESPEAKER
 Telex, Inc.
TELESYMPHONIC
 U. S. Television Mfg. Corp.
TELETALK
 Webster Electric Co.
TELETHERM
 Westinghouse Electric Corp.
TELETORQUE
 Kollsman Instrument Div. of Square D Co.
TELETRAP
 Crystal Devices Co., Inc.
TELETYPE
 Western Electric Co., Inc.
TELETYPESETTER
 Western Electric Co., Inc.
TELEVAC
 Fredericks Co., Geo. E.
TELEVOX
 Westinghouse Electric Corp.
TELE-ZOOM
 Garod Radio Corp.
TELOPTICAN
 Gray Mfg. Co.
TEL-TENNA
 Precision Plastic Products Inc.
TELVAR
 Audar, Inc.
TELVUER
 Television Projects, Inc.
TEMCO
 Transmitter Equip. Co., Inc.
TEMP COP
 Micro Switch,
 Div. of First Industrial Corp.
TENITE
 Tennessee Eastman Corp.
 Div. Eastman Kodak
TENITE I
 Tennessee Eastman Corp.
 Div. Eastman Kodak
TENITE II
 Tennessee Eastman Corp.
 Div. Eastman Kodak
TENNA-ROTOR
 Alliance Mfg. Co.
TENNASTUB
 Crystal Devices Co., Inc.
TENSIOMETER
 Saxl Instrument Co.
TENSITE
 Driver Co., Wilbur B.
TENS-O-TROL
 Dillon & Co., Inc., W. C.
TERMALINE
 Bird Electronic Corp.
TERMAND
 Buchanan Electrical Products Corp.
TERVAN
 Esso Standard Oil Co.
TESCO
 Eastern Specialty Co.
TESTLITE-FUSPUL
 Dante Electric Mfg. Co.
TEST-O-LITE
 Brach Mfg. Corp., L. S.
TEST-MASTER
 Precision Apparatus Co.
TETCO
 Electric Tachometer Co.
TEXTOLITE
 General Electric Co.
THERA-RAY
 Edin Electronics Co.
THERMALARM
 Eastern Specialty Co.
THERMALL
 LaRose & Associates, W. T.
THERMALOAD
 Monitor Controller Co.
THERM-A-NEERING
 Westinghouse Electric Corp.
THERMATRON
 Radio Receptor Co.
THERMEX
 Girdler Corp.
 Thermex Division
THERMITE
 Thermionic Engrg. Corp.
THERMO-CONTAG
 Rahm Instruments, Inc.
THERMO-GRIP
 Ideal Industries, Inc.
THERMOGUARD
 Westinghouse Electric Corp.
THERMO-HUMIDIGRAPH
 Bristol Co., The

THERMOLAIN
 Star Porcelain Co.
THERMOLAST
 Elematic Equip. Corp.
THERMO-LO
 Farrelloy Co.
THERMOMETAL
 Wilson Co., The, H. A.
THER-MONIC
 Induction Heating Corp.
THERMOPLAX
 Cutler-Hammer, Inc.
THERMOSEN
 Sorensen & Co.
THERMO-SNAP
 Spencer Thermostat Co.
THERMOSWITCH
 Fenwal, Inc.
THERM-OTROLS
 Wheelco Instruments Co.
THERMOVERTER
 Bristol Co., The
THER-MU-TROL
 Mu Switch Co.
THINEX
 Dixon Crucible Co., Joseph
THRED-LOCK
 Continental Screw Co.
THREDMOUNT
 National Union Radio Corp.
THROTTLTROLS
 Wheelco Instruments Co.
THRURAY
 Sperry Products, Inc.
TICONDEROGA
 Dixon Crucible Co., Joseph
TI-MATIC
 Westinghouse Electric Corp.
TIME AID
 Paragon Electric Co.
TIMEFAX
 Times Facsimile Corp.
TIME-MASTER
 Dictaphone Corp.
TIME-O-GRAF
 Gibbs Div.
 George W. Borg Corp.
TIME-O-LITE
 Industrial Timer Corp.
TIM-O-LUX
 Sidward Mfg. Co., Inc.
TINOL
 American Solder & Flux Co.
TINY GLOW
 Industrial Devices, Inc.
TINY TIM
 Shure Brothers
TIREX
 Simplex Wire & Cable Co.
TISCO
 Taylor-Wharton Iron & Steel Co.
TITAN
 General Lead Batteries Co.
TITE-BIND
 Thomas & Betts Co., Inc.
TITE-BITE
 Thomas & Betts Co., Inc.
TITEGRIP
 Dante Electric Mfg. Co.
TITONE
 Sonotone Corp.
TITRALOG
 Consolidated Engineering Corp.
TITRIMETER
 Fisher Scientific Co.
TITROMETER
 Precision Scientific Co.
TOCCO
 Ohio Crankshaft Co., Tocco Div.
T. W.
 Paisley Products Inc.
TOCCOTRON
 Ohio Crankshaft Co., Tocco Div.
TOK FONE
 Regal Electronics Corp.
TOM THUMB
 Automatic Radio Mfg. Co., Inc.
TONG TEST
 Columbia Electric Mfg. Co.
TONG TEST
 Martindale Electric Co.
TOPHET
 Driver Mfg. Co., Wilbur B.
TORKOTHERM
 Tork Clock Co.
TORQUE DRIVE
 Electro-Voice, Inc.
TORKMASTER
 Tork Clock Co., Inc.
TORRIDAL
 Capacitron Co.
TORSIOGRAPH
 Commercial Research Labs., Inc.

TORSIOMETERS
 Commercial Research Labs., Inc.
TOUCH-TIMER
 Kay Electric Co.
T P I
 Radio Development & Research
TRACEX
 H-W Mfg. Co.
TRADIO-ETTE
 Radio, Inc.
TRADIOVISION
 Radio, Inc.
TRAFF-O-MATIC
 Automatic Signal Div., Eastern Industries, Inc.
TRAIL BLAZER
 Meck Industries, John
TRANCORS
 Lenkurt Electric Co., Inc.
TRANSAXIL
 Mettler Co., Lee B.
TRANSERT
 Halwig Co.
TRANSFAX
 Eastman Kodak Co., Industrial Photographic
 Sales Div.
TRANSFILTER
 Brush Development Co.
TRANSFLEX
 Irvington Varnish & Insulator Co.
TRANSITE
 Johns-Manville Sales Corp.
TRANSITONE
 Philco Corp.
TRANS-METER
 Electronic Specialty Co.
TRANSMIKE
 Signal Electronics, Inc.
TRANSVERTER
 Hertner Electric Co.
TRAVERTONE
 Armstrong Cork Co.
TRIGNITRON
 Electronic Power Co., Inc.
TRIG
 Rostan Corp.
TRI-LOK
 Boots Aircraft Nut Corp.
TRIMAIR
 Cardwell Mfg. Corp., Alan D.
TRIMTHERM
 General Controls Co.
TRI-O-MATIC
 V-M Corp.
TRI-O-SPEED
 V-M Corp.
TRIONIC
 Clarkstan Corp.
TRIPLOC
 Pyle-National Co.
TRONEX
 Wheaton Co., T. C., Industrial Div.
TRUARC
 Waldes Kohinoor Inc.
TRU-COPY-PHOTE
 Photo Reproducing Equip. Co.
TRU FIDELITY
 Thordarson Electric Mfg. Div.
 Maguire Industries, Inc.
TRU-FLEX
 Peerless Photo Products
TRU-GRAF
 Peerless Photo Products
TRU-OHM
 Model Engrng. & Mfg. Co.
TRUSCON
 Republic Steel Corp.
TRU-SONIC
 Stephens Mfg. Corp.
TRYLON
 Wind Turbine Co., Tower & Antenna Div.
TUBE-MASTER
 Precision Apparatus Co.
TUBE-U-LAR
 Pyramid Electric Co.
TUFFERNELL
 Westinghouse Electric Corp.
TUFFY
 Insulation Mfg. Corp.
TUFLEC
 Laminated Plastics Inc.
TUNACORE
 Stanwyck-Webb Magnetic Core Corp.
TURBO
 Brand & Co., Wm.
TURBO PRENE
 Brand & Co., Wm.
TURBOTHERM
 Brand & Co., Wm.
TURQUOISE
 Eagle Pencil Co.

TURY
International Products Corp.

TWINTACTS
Weston Electrical Instrument Co.

TWIN-TRAX
Amplifier Corp. of America

TWINKORD
Ansonia Electrical Co.

TWINSET
Telex, Inc.

TWINSULATION
U. S. Rubber Co.

TWISTAB
National Union Radio Corp.

TWIST-LOCK
Harvey Hubbell, Inc.

TWIST-MOUNT
Pyramid Electric Co.

TYGON
U. S. Stoneware Co., The

TYLOX
Hamilton Kent Mfg. Co., Inc.

TYMIT
Tork Clock Co.

TYNEE-DRY
Pyramid Electric Co.

TYPE-O-WRITER
Kellogg Switchboard & Supply Co.

TYPHONITE ELDORADO
Dixon Crucible Co., Joseph

TZUCOPY PHOTE
General Photo Products Co., Inc.

U. H. C. A.
Commodore Record Co.

ULTRACOMPACT
United Transformer Co.

ULTRAPHONE
Gross Electronics, Inc.

ULTRASON
Televiso Products, Inc.

ULTRASONORATOR
Crystal Research Labs., Inc.

ULTRATONE
Audio Industries

ULTRON
Monsanto Chemical Co., Plastics Div.

UNBRAKO
Standard Pressed Steel Co.

UNDARK
U. S. Radium Corp.

UNIBALLASTS
National Union Radio Corp.

UNICLOSED
U. S. Electrical Motors, Inc.

UNICON
United Condenser Corp.

UNI-CRIMP
Sherman Mfg. Co., H. B.

UNIDYNE
Shure Brothers

UNI-FLEX
Dumore Co., The

UNILATOR
United Insulator Co., Ltd.

UNIONMELT
Linde Air Products Co., Unit of
Union Carbide & Carbon Corp.

UNIPLEX
Shure Brothers

UNIPOLE
Andrew Co.

UNITACT
Bristol Co., The

UNITRAD
Crosley Corp.

UNIVAC
Eckert-Mauchly Computer Corp.

UNIVERSAL
Mueller Electric Co.

UNIVERSAL
Davis & Murphy

UNIVIBES
National Union Radio Corp.

UPSON
Republic Steel Corp.

URAC
American Cyanamid Co., Plastics Div.

URELITE
I-T-E Circuit Breaker Co.

UST
U. S. Television Mfg. Corp.

USALITE
Stupakoff Ceramic & Mfg. Co.

USALITE
U. S. Electric Mfg. Corp.

USBLUCO BOARDMASTER
U. S. Blue Print Paper Co.

USEMENT
U. S. Rubber Co.

USEX
U. S. Rubber Co.

USEX ABBOSEALED
U. S. Rubber Co.

USKORONA
U. S. Rubber Co.

USPRENE
U. S. Rubber Co.

USRUB
U. S. Rubber Co.

U.S.S.
Carnegie-Illinois Steel Corp.

U.S.S. AMERICAN
American Steel & Wire Co.

UTC
United Transformer Corp.

UTILASTIC
Paisley Products, Inc.

UTILIPHONE
Electronic Labs., Inc.

UTILISCOPE
Farnsworth Television & Radio Corp.

VACOMBO
Vaco Products Co.

VACOPAK
Vacolite Co.

VACTITE
Locke Incorporated

VACTU-PAK
Allen-Howe Electronics Corp.

VACTU-PHONE
Allen-Howe Electronics Corp.

VAGABOND
Lincoln Electronics Corp.

VALVRATORS
Fischer & Porter Co.

VAN de GRAAFF
High Voltage Engineering Corp.

VANGTRONIC WELDER
Electronic Power Co., Inc.

VARGLAS
Varflex Corp.

VARIATEN
Shallcross Mfg. Co.

VARIDRIVES
U. S. Electrical Motors, Inc.

VARIMATCH
United Transformer Corp.

VARIAC
General Radio Co.

VARIPOWER
United Transformer Corp.

VARITRAN
United Transformer Corp.

VARITRONIC
Electronic Equipment Corp.

VARI-VOLT
Hallardson Co., The

VAR-X
Electronic Development Co.

VAW
John Fluke Engineering Co.

VEECO
Vacuum Electronic Engineering Co.

VEE-D-X
LaPointe-Plascomold Corp.

VEGIMAL
Paisley Products, Inc.

VELOMETER
Illinois Testing Labs., Inc.

VELVETONE
Flock Process Co.

VENDLITES
Drake Mfg. Co.

VERICON
Remington Rand, Electronic Division

VERITHIN
Eagle Pencil Co.

VERSALITE
U. S. Rubber Co.

VERSATEX
Shure Brothers

VIBESTON
U. S. Rubber Co.

VIBRALOC
Topping Mfg. Co.

VIBRAPAK
Mallory & Co., Inc., P. R.

VIBRASHOCK
Robinson Aviation, Inc.

VIBROGROUND
Associated Research Inc.

VIBRO-ISOLATOR
Korfund Co., Inc.

VIBROMETER
Televiso Products, Inc.

VIBROMIKE
Brush Development Co.

VIBROTEST
Associated Research, Inc.

VICTRON
Victor Electric Products, Inc.

VIDEAMP
Crystal Devices Co., Inc.

VIDEOCOUPLER
Mallory & Co., Inc., P. R.

VIDEOLA
Tech-Master Products Co.

VIDEOTRONS
National Union Radio Corp.

VIEWLITE
Viewlex Inc.

VIEWMATIC
Viewlex Inc.

VIMLITE
Celanese Plastics Corp.

VINYL
Alpha Wire Corp.

VINYLITE
Bakelite Corp.

VINYLSEAL
Bakelite Corp.

VINYON
Bakelite Corp.

VIPOWER
Radiart Corp., The

VISABLE PROOF
Electric Heat Control Co., The

VISAFLAME
Mercoind Corp.

VISCOR
Weston Electrical Instrument Co.

VISIBEAM
Burnett Service Co.

VISIBEL
Ewart & Koch

VISICODE
Westinghouse Electric Corp.

VISI-LIMIT
Wilmette Mfg. Co.

VISITRON
Rauland Corp.

VISO-CARDIETTE
Sanborn Co.

VISTANEX
Enjay Co., Inc.

VISTAWAX
Cantol Wax Prods. Co.

VISUAL GAGE
Sheffield Co.

VITAMIN Q
Sprague Electric Co.

VITAVOX
Radionic Transformer Co.

VITROHM
Ward Leonard Electric Co.

VITROLAIN
Star Porcelain Co.

VIZ
Molded Insulation Co., Aircraft Control Div.

VOCAL-AIRE
Dilks Co.

VOICE OF THEATRE
Altec Lansing Corp.

VOICEWRITER
Edison Inc., Thomas A.

VOLSTAT
Industrial Transformer Corp.

VOLTALAC
Standard Varnish Works

VOLTAPE
Respro, Inc.

VOLTASCOPE
Polarad Electronics Co.

VOLTBOX A-C
Superior Electric Co.

VOLTIPLIER
Techno-Scientific Co.

VOLTOHMYST
Radio Corporation of America

VOLTROL
Acme Electric Corp.

VOLTRON
Industrial Synthetics Corp.

VOMAX
McMurdo Silver Co., Inc.

VOYCALL
Lake Mfg. Co.

VUELITE
Monsanto Chemical Co., Plastics Div.

VUEPAK
Monsanto Chemical Co., Plastics Div.

VUE SCOPE
Celomat Corp.

VULCATEX
Horn Co., Inc., A. C.

VULCOID
Continental Diamond Fibre Co.

VYCOR
Corning Glass Works

WABLQUIST
Nilsson Electrical Laboratory, Inc.

WAHLQUIST
Nilsson Electrical Laboratory, Inc.

LCO
 Electrovox Co., Inc.
WALDES TRUARC
 Waldes Kohinoor, Inc.
WALSCO
 Schott Co., Walter L.
WATCHMASTER
 American Time Products, Inc.
WATERWITE
 Bache & Co., Semon
WAXMASTER
 Aeroil Products Co.
W. B. G.
 Foote, Pierson & Co., Inc.
W. D. C.
 Paisley Products Inc.
WEDGE-GRIP
 Sherman Mfg. Co., H. B.
WEDGE-ON
 Thomas & Betts Co., Inc.
WEDGIE
 Insulation Mfrs. Corp.
WEIGER-WEED
 Fansteel Metallurgical Corp.
WEILCO
 Weil & Co., J. H.
WEILETTE
 Weil & Co., J. H.
WEILINE
 Weil & Co., J. H.
WELDRAWN
 Superior Tube Co.
WELDOMATIC
 Westinghouse Electric Corp.
WELD-O-TIMER
 Westinghouse Electric Corp.
WELD-O-TROL
 Westinghouse Electric Corp.
WEMCALLOY
 Westinghouse Electric Corp.

WESTREX
 Western Electric Co., Inc.
WHEELOCK
 Signal Engineering & Mfg. Co.
WINCHESTER
 Olin Industries, Inc.
WILCO
 Wilson Co., The, H. A.
WINCO
 Wincharger Corp.
WIPERMALLOY
 United Transformer Corp.
WIREMASTER
 Precision Audio Prods., Inc.
WIRE-NUTS
 Ideal Industries, Inc.
WIREFHONE
 Molded Insulation Co., Aircraft Control Div.
WIRETONE
 Molded Insulation Co., Aircraft Control Div.
WIREWATT
 Ohmite Mfg. Co.
WIREWAY
 Wire Recording Corp.
WISSO
 Wickwire Spencer Steel Div.,
 The Colorado Fuel & Iron Corp.
WMECO
 Waveguide Mfg. & Equipt. Co., Inc., The
WOOD GLU
 Paisley Products Inc.
WOODITE
 Syracuse Ornamental Co., Inc.
WOODWELDER
 Short Wave Plastic Forming Co.
WOODWIN
 Wood Electric Co., Inc., C. D.
WRIGHTFLOR
 Taylor Mfg. Co.
WYD-ANGLE
 Ess Instrument Co.

XACTEMP
 Gordon Co., Claud S.
XACTLINE
 Gordon Co., Claud S.
XCELITE
 Park Metalware Co.
XENOFASH
 Triumph Mfg. Co.
X-PRESS
 Cook Electric Co.
X-THERMOTROL
 Gasket Engineering Co.
X-TROL
 Gasket Engineering Co.

YES
 Yates Engineering Service

Z ANGLE
 Technology Instrument Corp.
"Z" NICKEL
 The International Nickel Co., Inc.
ZENEL
 Bonney Forge & Tool Works
ZERO READER
 Sperry Gyroscope Co. Div. of The Sperry Corp.
ZIPCORD
 U. S. Rubber Co.
ZIPOHMS
 Muter Co.
ZIP-IN
 American Phenolic Corp.
ZIRCONARC
 Fish-Schurman Corp.
ZIRMET
 Foote Mineral Co.
ZYROX
 Halowax Products Division,
 Unit of Union Carbide & Carbon Corp.

1949-1950 ELECTRONICS BUYERS' GUIDE

MANUFACTURERS INDEX

A listing of the companies engaged in the manufacture of all types of electronic components and complete electronic equipment. They are alphabetically arranged for convenient use and quick reference.

- A B C Products, Inc., 2131-35 Stoner Ave., W. Los Angeles 25, Calif.
 A B C Radio Laboratories, 3334 N. New Jersey St., Indianapolis 5, Ind.
 A & M Woodcraft, Inc., 419 W. 49th St., New York 19, N. Y.
 Accurate Insulated Wire Corp., 25 Fox St., New Haven 1, Conn.
 Accurate Spring Mfg. Co., 3811 W. Lake St., Chicago, Ill.
 Ace Mfg. Corp., 1255 E. Erie Ave., Philadelphia, Pa.
 Acheson Colloids Corp., Port Huron, Mich.
 Ackerman-Johnson Co., 625 W. Jackson Blvd., Chicago, Ill.
 Acklin Stamping Co., 1923 Nebraska Ave., Toledo 7, Ohio
 Acme Battery Co., 59 Pearl St., Brooklyn, N. Y.
 Acme Electric Corp., Cuba, N. Y.
 Acme Electric Heating Co., 1217 Washington St., Boston, Mass.
 Acme Folding Box Co., Inc., 141 E. 25th St., New York, N. Y.
 Acme Electronix Div. of NEA Service, Inc., West Third & Lakeside, Cleveland 13, Ohio
 Acme Wire Co., New Haven 14, Conn.
 Acro Electric Co., 1316 Superior Ave., Cleveland, Ohio
 Acro Products Co., 5330 Baltimore Ave., Phila., Pa.
 Acro Transformer & Mfg. Corp., 21-20 33rd Ave., Long Island City 6, N. Y.
 Acromark Co., 9-13 Morrell St., Elizabeth 4, N. J.
 Acton Co., Inc., H. W., 370 7th Ave., New York 1, N. Y.
 Adair & Rhamstine, 314 Beaubien St., Detroit 26, Mich.
 Adam Electric Co., Frank, St. Louis, Mo.
 Adams & Westlake Co., Michigan St., Elkhart, Ind.
 Adaptol Co., 120 New Lots Ave., Brooklyn, N. Y.
 Adel Precision Products Corp., 10777 Van Owen St., Burbank, Calif.
 Admiral Corp., 3800 Cortland St., Chicago 47, Ill.
 Advance Electric & Relay Co., 1260 W. Second St., Los Angeles, Calif.
 Advance Recording Products Co., 36-12 34th St., Long Island City, N. Y.
 Aermotive Equipment Corp., 1632-8 Central St., Kansas City 10, Mo.
 Aero Instrument Co., 2021 N. Lincoln St., Burbank, Calif.
 Aero Needle Co., 619 N. Michigan Ave., Chicago 11, Ill.
 Aeroil Products Co., Wesley St., South Hackensack, N. J.
 Aerolite Electronic Hardware Corp., 24 Cliff St., Jersey City, N. J.
 Aerolux Light Corp., 653 11th Ave., New York 19, N. Y.
 Aeronautical Communications Equipment, Inc., 3090 Douglas Rd., Miami 33, Fla.
 Aeronautical Radio Mfg. Co., 155 First St., Mineola, N. Y.
 Aerovox Corp., 740 Belleville Ave., New Bedford, Mass.
 Aim Industries, 41 Union Sq., New York 3, N. Y.
 Air Associates, Inc., Teterboro, N. J.
 Air Champ Mfg. Co., 19 Fourth Ave., Brooklyn 17, N. Y.
 Air-King Products Co., Inc., 170 53rd St., Brooklyn, N. Y.
 Airborne Electronics Co., Metropolitan Airport Hanger No. 3, Van Nuys, Calif.
 Airborne Instruments Lab., Inc., 160 Old Country Rd., Mineola, N. Y.
 Aircraft Electronics Associates, Inc., 1031 New Britain Ave., Hartford 10, Conn.
 Aircraft Marine Products, Inc., 1523 N. Fourth St., Harrisburg, Pa.
 Aircraft Radio Corp., Boonton, N. J.
 Airdesign, Inc., 241 Fairfield Ave., Upper Darby, Pa.
 Aireon Mfg. Corp., 1401 Fairfax Trafficway, Kansas City 15, Kansas
 Airlectron, P. O. Box 151, Caldwell, N. J.
 Airpax Products Co., 1024 Greenmount Ave., Baltimore 2, Maryland
 Airplane & Marine Instruments, Inc., Clearfield, Pa.
 Airtron, Inc., 101 E. Elizabeth Ave., Linden, N. J.
 Airtronics Mfg. Co., 5145 W. San Fernando Rd., Los Angeles 26, Calif.
 Ajax Electrothermic Corp., Ajax Park, Trenton, N. J.
 Aladdin Radio Industries, Inc., 501 W. 35th St., Chicago 16, Ill.
 Alco Valve Co., 865 Kingsland, St. Louis 5, Mo.
 Alden Products Co., 117 No. Main St., Brockton 64, Mass.
 Aldine Paper Co., Inc., 535 5th Ave., New York 17, N. Y.
 Allfax Paper & Engineering Co., 40 Riverside Ave., Brockton 27 E. B., Mass.
 All American Tool & Mfg. Co., 1014 W. Fullerton St., Chicago 14, Ill.
 All Weather Springs, 140 Cedar St., New York 6, N. Y.
 Allegheny Ludlum Steel Corp., Pittsburgh, Pa.
 Allen Co., L. B., Inc., 6751 Bryn Mawr Ave., Chicago 31, Ill.
 Allen-Bradley Co., 136 W. Greenfield Ave., Milwaukee 4, Wis.
 Allen-Howe Electronics Corp., Peabody, Mass.
 Allen Mfg. Co., Hartford, Conn.
 Alliance Mfg. Co., Lake Park Blvd., Alliance, Ohio
 Allied Control Co., Inc., 2 East End Ave., New York 21, N. Y.
 Allied Radio Corp., 833 W. Jackson Blvd., Chicago 7, Ill.
 Allied Recording Products Co., 21-09 43rd Ave., Long Island City 1, N. Y.
 Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
 Allis Co., Louis, 427 E. Stewart St., Milwaukee 7, Wis.
 Allmetal Screw Products Co., Inc., 33 Greene St., New York 13, N. Y.
 Alloy Metal Wire Co., Prospect Park (Moore Sta.), Pa.
 Alpha Laboratories, Box 184, Belmar, N. J.
 Alpha Metals, Inc., 363 Hudson Ave., Brooklyn 1, N. Y.
 Alpha Wire Corp., 50 Howard St., New York, N. Y.
 Altec Lansing Corp., 161 Avenue of the Americas, New York 13, N. Y.
 Aluminum Co. of America, Gulf Bldg., Pittsburgh, Pa.
 Amalgamated Electronics, Clinton Corners, N. Y.
 Ambroid Co., 305 Franklin St., Boston 10, Mass.
 American Brass Co., Waterbury 88, Conn.
 American Bridge Co., U. S. Steel Corp. Sub., Frick Bldg., Pittsburgh, Pa.
 American British Technology Inc., 57 Park Ave., New York 16, N. Y.
 American Chemical Paint Co., Ambler, Pa.
 American Chronoscope Corp., 316 W. First St., Mt. Vernon, N. Y.
 American Communications Corp., 306 Broadway, New York 7, N. Y.
 American Condenser Co., 4410 Ravenswood Ave., Chicago 40, Ill.
 American Cyanamid Co., Plastics Div., 38 Rockefeller Plaza New York 20, N. Y.
 American Diathermy Productions, 11240 W. Olympic Blvd., Los Angeles 25, Calif.
 American Electric Cable Co., Holyoke, Mass.
 American Electrical Heater Co., 6110 Cass Ave., Detroit 2, Mich.
 American Electroneering Co., 2112 S. La Brea Ave., Los Angeles, Calif.
 American Electronics Corp., 226 No. Fourth St., Columbus, Ohio
 American Emblem Co., Inc., P. O. Box 116 R, Utica, N. Y.
 American Gas Accumulator Co., 1029 Newark Ave., Elizabeth, N. J.
 American Gem & Pearl Co., 6 West 48th St., New York 19, N. Y.
 American Hard Rubber Co., 11 Mercer St., New York 13, N. Y.
 American Instrument Co., 8030 Georgia Ave., Silver Spring, Md.
 American Insulator Corp., New Freedom, Pa.
 American Kleer-Vu Plastics, 57 Thames St., Brooklyn 6, N. Y.
 American Lava Corp., Chattanooga 5, Tennessee
 American-Marietta Co., Adhesive, Resin & Chemical Div., 3400-13th Ave., SW, Seattle 4, Washington
 American Microphone Co., 370 So. Fair Oaks Ave., Pasadena 1, Calif.
 American Molding Powder & Chemical Corp., 44 Hewes St., Brooklyn 11, N. Y.
 American Nut & Bolt Fastener Co., 2045 Doerr St., Pittsburgh 12, Pa.
 American Optical Co., Scientific Instrument Div., Box A, Buffalo 15, N. Y.
 American Phenolic Corp., 1830 S. 54th Ave., Chicago 50, Ill.
 American Photocopy Equipment Co., 2849 N. Clark St., Chicago, Ill.
 American Platinum Works, N.J.R.R. Ave. at Oliver St., Newark 5, N. J.
 American Products Mfg. Co., Oleander & Dublin St., New Orleans 18, La.
 American Radio Co., 611 E. Garfield Ave., Glendale, Calif.
 American Radio & Hardware Co., 152 MacQuesten Pkway, South Mount Vernon, N. Y.
 American Relay & Controls Inc., 4900 W. Flournoy St., Chicago 44, Ill.
 American Resinous Chemical Co., 103 Foster St., Peabody, Mass.
 American Rolling Co., 368 Curtis St., Middletown, Ohio
 American Scientific Co., P. O. Box 1, High Bridge Station, New York 52, N. Y.
 American Screw Co., Providence, R. I.
 American Solder & Flux Co., 2152 E. Norris St., Phila. 25, Pa.
 American Steel & Wire Co., U. S. Steel Corp. Subsidiary, Rockefeller Bldg., Cleveland 13, Ohio
 American Television & Radio Co., 300 E. 4th St., St. Paul 1, Minn.
 American Thermo Electric Co., 67 E. 8th St., New York 3, N. Y.
 American Time Corp., Springfield 1, Mass.
 American Time Products, Inc., 580 Fifth Ave., New York 19, N. Y.
 American Transformer Co., 178 Emmett St., Newark, N. J.
 Amerline, 1753 N. Honore St., Chicago 22, Ill.
 Amersil Co., Inc., Hillside, N. J.
 Amglo Corp., 4234 Lincoln Ave., Chicago 18, Ill.
 Amprex Electronic Corp., 25 Washington St., Brooklyn 1, N. Y.
 Amprite Co., 561 Broadway, New York 12, N. Y.
 Ampex Electric Corp., 1155 Howard Ave., San Carlos, Calif.
 Amplex Div., Chrysler Corp., Detroit 31, Mich.
 Amplifier Corp. of America, 396 Broadway, New York 13, N. Y.
 Amy, Aceves & King Inc., 11 W. 42nd St., New York 18, N. Y.
 Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
 Anchor Plastics Co., Inc., 533-541 Canal St., New York 13, N. Y.

nor Webbing Co., P. O. Box 1624, Providence, R. I.
 Anderson, Arthur R., 110 Woodbury Ave., Springdale, Conn.
 Anderson & Sons, Inc., Westfield, Mass.
 Andrea Radio Corp., 2701 Bridge Plaza, North, Long Island City, N. Y.
 Andrew Corp., 363 E. 75th St., Chicago 19, Ill.
 Annis Co., R. B., 1101 N. Delaware St., Indianapolis, Ind.
 Anso Div., General Aniline & Film Corp., Binghamton, N. Y.
 Ansonia Electrical Co., 63 Main St., Ansonia, Conn.
 Antenna Research Lab., Inc., 797 Thomas Lane, Columbus 9, Ohio
 Anton Electronic Laboratories, Inc., 1226-1238 Flushing Ave., Brooklyn 6, N. Y.
 Applied Physics Corp., 40 South Oak Knoll Ave., Pasadena 1, Calif.
 Applied Research Labs., 4336 San Fernando Rd., Glendale 4, Calif.
 Applied Science Corp. of Princeton, The, P. O. Box 44, Princeton, N. J.
 Aray Mfg. and Supply Co., 3107 Pine St., St. Louis 3, Missouri
 Arc Radio Corp., 634 Myrtle Ave., Brooklyn, N. Y.
 Arch Gear Works, Inc., Quincy, Mass.
 Arco Co., 7301 Bessemer Ave., Cleveland 4, Ohio
 Arco Transformer & Electrical Co., 1602 S. Hanna St., Fort Wayne, Ind.
 Arcturus Engineering Corp., 1755 Glendale Blvd., Los Angeles 26, Calif.
 Arcturus Radio & Television Corp., 54 Clark St., Newark, N. J.
 Argus, Inc., Ann Arbor, Mich.
 Ark-Les Switch Corp., 55 Water St., Watertown 72, Mass.
 Arlington Electric Products Inc., 500 W. 52nd St., New York 19, N. Y.
 Arma Corp., 254 36th St., Brooklyn 32, N. Y.
 Armeo Steel Corp., 703 Curtis St., Middletown, Ohio
 Armstrong Cork Co., Lancaster, Pa.
 Arnold Engineering Co., 147 E. Ontario St., Chicago 11, Ill.
 Arro Expansion Bolt Co., Boone Ave., Marion, Ohio
 Art-Lloyd Metal Products Corp., 2973 Cropsey Ave., Brooklyn 14, N. Y.
 Art Roll Leaf Stamping Co., 3610 Palisade Ave., Union City, N. J.
 Art Specialty Co., 3245 W. Lake St., Chicago, Ill.
 Art Wire & Stamping Co., 227 High St., Newark 2, N. J.
 Asheville Mica Co., 900 Jefferson Ave., Newport News, Va.
 Askania Regulator Co., 240 E. Ontario St., Chicago 11, Ill.
 Assembly Products, Inc., Chagrin Falls 6, Ohio.
 Associated Production Co., 2655 W. 19th St., Chicago 8, Ill.
 Associated Research, Inc., 3758 W. Belmont, Chicago 18, Ill.
 Astatic Corp., The, Conneaut, Ohio
 Atlas Metal Stamping Co., Castor & Kensington Avenues, Philadelphia 24, Pa.
 Atlas Resistor Co., 423 Broome St., New York, N. Y.
 Atlas Sound Corp., 1443 39th St., Brooklyn 18, N. Y.
 Atlas Tack Corp., Pleasant St., Fairhaven, Mass.
 Atomic Instrument Co., 160 Charles Street, Boston, Mass.
 Auburn Button Works Inc., 48 Canoga St., Auburn, N. Y.
 Auburn Mfg. Co., Middletown, Conn.
 Audak Co., 500 Fifth Ave., New York, N. Y.
 Audar Inc., Argos, Indiana
 Audio Development Co., 2833 13th Ave., S., Minneapolis 7, Minn.
 Audio Devices, Inc., 444 Madison Ave., New York 22, N. Y.
 Audio Equipment Co., 80-20 45th Ave., Elmhurst, N. Y.
 Audio Equipment Sales, 153 W. 33rd St., New York 1, N. Y.
 Audio Industries, Michigan City, Ind.
 Audio Products Co., 2101 West Olive Ave., Burbank, Calif.
 Aurex Corp., 1117 N. Franklin St., Chicago, Ill.
 Austin Co., O., 335 Throop Ave., Brooklyn 21, N. Y.
 Auto Engraver Co., Inc., 1776 Broadway, New York, N. Y.
 Autocall Co., The, Shelby, Ohio
 Automat Radio Co., 3855 N. Hamilton Ave., Chicago 11, Ill.
 Automatic Electric Sales Corp., 1033 W. Van Buren St., Chicago 7, Ill.
 Automatic Mfg. Corp., 60 Gouverneur St., Newark, N. J.
 Automatic Metal Products Co., 315 Berry St., Brooklyn 1, N. Y.
 Automatic Radio Mfg. Co., Inc., 122 Brookline Ave., Boston, Mass.
 Automatic Signal Div., Eastern Industries, Inc., 100 Regent St., East Norwalk, Conn.
 Automatic Switch Co., 391 Lakeside Ave., Orange, N. J.
 Automatic Temperature Control Co., Inc., 5212 Pulaski Ave., Philadelphia 44, Pa.
 Autoscrew Co., 216-222 W. 18th Street, New York, N. Y.
 Autotron Co., The, Danville, Ill.
 Avia Products Co., 7266 Beverly Blvd., Los Angeles 36, Calif.
 Aviometer Div. of Roanwell Corp., 662 Pacific St., Brooklyn 17, N. Y.
 B & C Insulation Products, Inc., Lincoln Highway, Iselin, N. J.
 B-P Specialties Works, Third National Bldg., Dayton 2, Ohio
 Babcock Radio Engineering Inc., 6164 Sepulveda Blvd., Van Nuys, Calif.
 Bace Television Corp., Green & Leuning Sts., South Hackensack, N. J.
 Bache & Co., Semon, 636 Greenwich St., New York 14, N. Y.
 Baer Co., N. S., 9 Montgomery St., Hillside, N. J.
 Bailey Co., Inc., 21 Water Street, Amesbury, Mass.
 Bailey Meter Co., 1044 Ivanhoe Road, Cleveland 10, Ohio
 Baird Associates, Inc., 33 University Rd., Cambridge 38, Mass.
 Bakelite Corp., 30 East 42nd St., New York 17, N. Y.
 Baker Co., Inc., 113 Astor St., Newark 5, N. J.
 Baldor Electric Co., 4353 Duncan Ave., St. Louis, Mo.
 Ballantine Laboratories, Inc., Boonton, N. J.
 Bamberger Corp., A., 44 Hewes St., Brooklyn 11, N. Y.
 Barber Colman Co., Rockford, Ill.
 Barber & Howard, East Ave., Westerly, R. I.
 Barber Labs., Alfred W., 34-04 Francis Lewis Blvd., Flushing, N. Y.
 Barclay Instruments Div., The Patent Button Co., Waterbury 88, Conn.
 Bardwell & McAllister Inc., P. O. Box 1310, Hollywood, California
 Barker & Williamson, 235 Fairfield Ave., Upper Darby, Pa.
 Barnes-Gibson Raymond Div., Associated Spring Corp., 6400 Miller Ave., Detroit 11, Mich.
 Barrea Products Co., Inc., 84 Bowery, New York 13, N. Y.
 Barrett Co., Leon J., P. O. Box 378, Worcester 1, Mass.
 Barrett Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
 Barry Corp., The, 179 Sidney St., Cambridge, Mass.
 Bassett Inc., Rex, 307-11 N. W. 1st Ave., Ft. Lauderdale, Fla.
 Bausch & Lomb Optical Co., 635 St. Paul St., Rochester 2, N. Y.
 Beach Precision Parts Co., Boonton, N. J.
 Beach-Russ Co., 50 Church St., New York 7, N. Y.
 Bead Chain Manufacturing Co., The, 110 Mountain Grove St., Bridgeport 5, Conn.
 Beaver Gear Works, Inc., Rockford, Ill.
 Beede Electrical Instrument Co., Inc., Penacook, N. H.
 Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
 Bell Sound Systems, Inc., 555 Marion Rd., Columbus 7, Ohio
 Bell Telephone Laboratories, Inc., 463 West St., New York 14, N. Y.
 Belmont Radio Co., Div. Raytheon Mfg. Co., 5921 W. Dickens Ave., Chicago 39, Ill.
 Bendix Aviation Corp., Pacific Div., 11600 Sherman Way, North Hollywood, Calif.
 Bendix Aviation Corp., Red Bank Division, Red Bank, N. J.
 Bendix Radio Div., Bendix Aviation Corp., Baltimore 4, Md.
 Bentley-Harris Mfg. Co., Conshohocken, Pa.
 Berkeley Scientific Co., 6th & Nevin, Richmond, Calif.
 Berndt-Bach, Inc., 7377 Beverly Blvd., Los Angeles 36, Calif.
 Beryllium Corp., The, Reading, Pa.
 Best Manufacturing Co., Inc., 1200 Grove St., Irvington 11, N. J.
 Bestcraft Products, 14 Delancey St., New York, N. Y.
 Beta Electronics Co., 1762 Third Ave., New York 29, N. Y.
 Bibletone Records, Inc., 354 4th Ave., New York 10, N. Y.
 Biddle Co., James G., 1316 Arch St., Philadelphia 7, Pa.
 Bird Co., Richard H., 1 Spruce St., Waltham, Mass.
 Bird Electronic Corp., 1800 E. 38th St., Cleveland 14, Ohio
 Birnbach Radio Co., Inc., 145 Hudson St., New York, N. Y.
 Birtcher Corp., 5087 Huntington Drive, Los Angeles 32, Calif.
 Bittermann Electric Co., Box 665, Canaan, Conn.
 Biwax Corp., 3445 Howard St., Skokie, Ill.
 Black Bear Co., Inc., 620 Fifth Ave., New York 20, N. Y.
 Blaw-Knox Co., Farmers Bank Bldg., Pittsburgh, Pa.
 Bliley Electric Co., Union Station Bldg., Erie, Pa.
 Blum & Co., Julius, 532 W. 22nd St., New York 11, N. Y.
 Board Products Co., 4206 W. Lake St., Chicago 24, Ill.
 Bodine Electric Co., Ohio St. & Oakley Blvd., Chicago 12, Ill.
 Boehme Inc., H. O., 915 Broadway, New York, N. Y.
 Boesch Mfg. Corp., Danbury, Conn.
 Bogen Co., David, 663 Broadway, New York 12, N. Y.
 Bogue Electric Mfg. Co., 52 Iowa Ave., Paterson 3, N. J.
 Bomac Laboratories, Beverly, Mass.
 Bond Electric Corp., Div. of Olin Industries Inc., New Haven 4, Conn.
 Bond Electronics Corp., 88 Franklin Place, Summit, N. J.
 Bonney Forge & Tool Works, Allentown, Pa.
 Boom Electric & Amplifier Co., 1227 W. Washington Blvd., Chicago 7, Ill.
 Boonton Molding Co., Boonton, N. J.
 Boonton Radio Corp., Boonton, N. J.
 Booth Co., Arthur E., 307 E. 3rd St., Los Angeles, Calif.
 Boots Aircraft Nut Corp., New Canaan, Conn.
 Borden Co., The, Chemical Div., 350 Madison Ave., New York 17, N. Y.
 Borden Co., Chemical Div., Durite Plastics, 5000 Summerdale Ave., Philadelphia 24, Pa.
 Borthig Co., Inc., George C., P. O. Box 115, East Rutherford, N. J.
 Boston Insulated Wire & Cable Co., 63 Bay St., Boston 25, Mass.
 Boulin Instrument Corp., 65 Madison Avenue, New York 16, N. Y.
 Bound Brook Oil-Less Bearing Co., Bound Brook, N. J.
 Bowers Battery & Spark Plug Co., Reading, Pa.
 Bowser Inc., Refrigeration Div., 420 Lexington Ave., New York, N. Y.
 Brach Mfg. Corp., L. S., 200 Central Ave., Newark, N. J.
 Bradley Labs., 82 Meadow St., New Haven, Conn.
 Bradshaw Instruments Co., 348 Livingston St., Brooklyn 17, N. Y.
 Brainin Co., C. S., 233 Spring St., New York 13, N. Y.
 Brand & Co., Wm., 276 Fourth Ave., New York 10, N. Y.
 Brandywine Fibre Co., 15th & Poplar Sts., Wilmington, Del.
 Branson Instruments, Inc., 436 Fairfield Ave., Stamford, Conn.
 Branston Electric Mfg. Co., 61-65 Gill Pl., Buffalo 13, N. Y.
 Breeze Corp., Inc., 41 S. Sixth St., Newark 7, N. J.
 Breco Electronics Corp., 55 Vandam St., New York 13, N. Y.
 Breon Laboratories, 1520 Evergreen Rd., Williamsport, Pa.
 Bridgeport Hardware Mfg. Corp., Iranistan Ave., Bridgeport, Conn.
 Bright Star Battery Co., 200 Crooks Ave., Clifton, N. J.
 Brinnell Co., The, Granby, Conn.
 Bristol Co., The, Waterbury 91, Conn.
 British Industries Corp., 315 Broadway, New York 7, N. Y.
 Brociner Electronics Lab., 1546 Second Ave., New York 28, N. Y.
 Brociner-Mass Instruments, Inc., 1546 Second Ave., New York 28, N. Y.
 Brook Electronics, Inc., 34 DeHart Place, Elizabeth, N. J.
 Brown-Bridge Mills, Inc., Troy, Ohio

- Brown Products Co., 98-11 65th St., Forest Hills, N. Y.
- Brown Engineering Co., 4635 S. E. Hawthorne Blvd., Portland 15, Oregon
- Brown Instrument Co., Wayne & Roberts Aves., Philadelphia 44, Pa.
- Browning Laboratories, Inc., 750 Main St., Winchester, Mass.
- Bruning Co., Inc., Charles, 4754 Montrose Ave., Chicago 41, Ill.
- Brunswick Radio & Television Div., Radio & Television, Inc., 244 Madison Ave., New York, N. Y.
- Brush Beryllium Co., The, 3714 Chester Ave., Cleveland 14, Ohio
- Brush Development Company, The, 3405 Perkins Ave., Cleveland 14, Ohio
- Buchanan Electrical Products Corp., 1290 Central Ave., Hillside, N. J.
- Buchmann Spark-Wheel Corp., 4-20 47th Ave., Long Island City 1, N. Y.
- Buck Engineering Co., 37-41 Marcy St., Freehold, N. J.
- Bud Radio, Inc., 2118 E. 55th St., Cleveland 3, Ohio
- Buda Co., Harvey, Ill.
- Buggie & Co., H. H., 2141 Madison Ave., Toledo 1, Ohio
- Buhl Optical Co., 1009 Beech Ave., Pittsburgh 12, Pa.
- Bundy Tubing Co., 8109 E. Jefferson Ave., Detroit 14, Mich.
- Bunnell and Co., J. H., 215 Fulton St., New York, N. Y.
- Burgess Battery Co., Battery Div., Freeport, Ill.
- Burke Electric Co., 12 & Cranberry Sts., Erie, Pa.
- Burling Instrument Co., 253 Springfield Ave., Newark 3, N. J.
- Burlington Instrument Co., Burlington, Iowa
- Burdoy Engineering Co., Inc., 107 Bruckner Blvd., New York 54, N. Y.
- Burnell & Co., 45 Warburton Ave., Yonkers 2, N. Y.
- Burnett Radio Lab., Wm. W. L., 4814 Idaho St., San Diego, Calif.
- Burnett Service Co., 178 E. 168th St., New York 52, N. Y.
- Burnley Battery & Mfg. Co., Clay St., North East, Pa.
- Bussmann Mfg. Co., St. Louis 7, Mo.
- C. B. Mfg. Co., 480 Broome St., New York 13, N. Y.
- C-O-Two Fire Equipment Co., P. O. Box 390, U. S. Highway 1, Newark 1, N. J.
- Calidyne Co., The, 751 Main St., Winchester, Mass.
- Califone Corp., 1041 N. Sycamore Ave., Hollywood 38, Calif.
- Calite Tungsten Corp., 540 39th St., Union City, N. J.
- Caltron Co., 1406 So. Hobart Blvd., Los Angeles 6, Calif.
- Cambridge Thermionic Corp., 445 Concord Ave., Cambridge, Mass.
- Camburn, Inc., 32-40 57th St., Woodside, N. Y.
- Camloc Fastener Corp., 420 Lexington Ave., New York 17, N. Y.
- Cannon Co., C. F., Springwater, N. Y.
- Caunon Electric Development Co., 3209 Humboldt St., Los Angeles 31, Calif.
- Cantol Wax Products Co., Bloomington, Ind.
- Capacitron Co., Div. of Jefferson Electric Co., 849 No. Kedzie Ave., Chicago 51, Ill.
- Carbide and Carbon Chemicals Corp., Unit of Union Carbide and Carbon Corp., 30 East 42nd St., New York 17, N. Y.
- Carbonneau Industries, Inc., Grand Rapids, Mich.
- Carborundum Co., The, Globar Div., Niagara Falls, N. Y.
- Carby Mfg. Co., Inc., 62 Cottage Place, Waterbury 5, Conn.
- Cardwell Mfg. Corp., Allen D., 97 Whiting St., Plainville, Conn.
- Cardy-Lundmark Co., 1801 W. Byron St., Chicago 13, Ill.
- Carnegie Illinois Steel Corp., U. S. Steel Corp. Sub., Carnegie Building, Pittsburgh, Pa.
- Carol Cable Co., 190 Middle St., Pawtucket, R. I.
- Carpenter Steel Co., Kenilworth, N. J.
- Carpenter Steel Co., The, 142 West Bern St., Reading, Pa.
- Carron Mfg. Co., 415 S. Aberdeen St., Chicago, Ill.
- Carson Machine & Supply Co., Box 4547, Oklahoma City 9, Okla.
- Carson Micrometer Corp., 2 E. Main St., Little Falls, N. J.
- Carter Motor Co., 2644 N. Maplewood Ave., Chicago 47, Ill.
- Carter Radio Div., Precision Parts Co., 213 Institute Place, Chicago 10, Ill.
- Castlewood Mfg. Co., 12th & Burnett Sts., Louisville, Ky.
- Catalin Corp. of America, 1 Park Ave., New York 16, N. Y.
- Celaese Corp. of America, 180 Madison Ave., New York 16, N. Y.
- Cellusuede Products Inc., Rockford, Ill.
- Central Paper Co., Inc., 2400 Lakeshore Drive, Muskegon, Michigan
- Central Research Laboratories, Inc., Red Wing, Minn.
- Central Scientific Co., 1700 Irving Park Rd., Chicago 13, Ill.
- Central Screw Co., 3501 Shields Ave., Chicago 9, Ill.
- Centralab, Div. of Globe Union Inc., 900 Keefe Ave., Milwaukee 1, Wis.
- Centro Research Laboratories, Inc., Briarcliff Manor, N. Y.
- Century Electric Co., 1806 Pine St., St. Louis 3, Mo.
- Century Geophysical Corp., 1333 North Utica, Tulsa, Oklahoma.
- Chace Co., W. M., 1600 Beard Ave., Detroit, Mich.
- Chandler Products Co., 1491 Chardon Rd., Cleveland, Ohio
- Channel Master Co., Ellenville, N. Y.
- Chase Brass & Copper Co., Inc., Waterbury 91, Conn.
- Chaslyn Co., The, 1952 Irving Park Rd., Chicago 13, Ill.
- Chatham Electronics Corp., 475 Washington St., Newark 2, N. J.
- Chatillon & Sons, John, 93 Cliff St., New York 7, N. Y.
- Cherry Rivet Co., 231 Winston Street, Los Angeles 13, Calif.
- Chicago Condenser Corp., 3255 W. Armitage Ave., Chicago 47, Ill.
- Chicago Die Mold Mfg. Co., 4001 Wrightwood Ave., Chicago 39, Ill.
- Chicago Electronic Engineering Co., 3223 W. Armitage Ave., Chicago 47, Ill.
- Chicago Expansion Bolt Co., 1338 W. Concord Pl., Chicago 22, Ill.
- Chicago Metal Hose Corp., 1309 S. Third Ave., Maywood, Ill.
- Chicago Rivet & Machine Co., 9600 W. Jackson Blvd., Chicago, Ill.
- Chicago Telephone Supply Corp., 1142 W. Beardsley Ave., Elkhart, Ind.
- Chicago Transformer Div., Essex Wire Corp., 3501 W. Addison St., Chicago 18, Ill.
- Cima Corp., 91 Boylston St., Jamaica Plains 32, Mass.
- Cinaudagraph Speakers Inc., Div. of Aireon Mfg. Corp., 1401 Fairfax Trafficway, Kansas City, Kansas
- Cinch Mfg. Corp., 2335 W. Van Buren St., Chicago 12, Ill.
- Cincinnati Molding Co., 2037 Florence Ave., Cincinnati 6, Ohio
- Cinema Engineering Co., 1510 W. Verdugo Ave., Burbank, Calif.
- Citizens Radio Corp., 1869 Prospect, Cleveland, Ohio
- Clarage Fan Co., Kalamazoo, Mich.
- Clare & Co., C. P., 4719 Sunnyside Ave., Chicago 30, Ill.
- Clark Controller Co., 1146 E. 152nd St., Cleveland 10, Ohio
- Clark Crystal Co., 2 Farm Rd., Marlboro, Mass.
- Clark Electronic Labs., Box 165, Palm Springs, Calif.
- Clarke Instrument Corp., 910 King St., Silver Spring, Md.
- Clarkstan Corp., 11927 W. Pico Blvd., Los Angeles 34, Calif.
- Clarostat Mfg. Co., Inc., 130 Clinton St., Brooklyn 2, N. Y.
- Clearprint Paper Co., 677 Folsom St., San Francisco, Calif.
- Cleveland Container Co., The, 6201 Barberton Ave., Cleveland 2, Ohio
- Cleveland Electronics, Inc., 6611 Euclid Ave., Cleveland, Ohio
- Cleveland Tungsten, Inc., 10200 Meech Ave., Cleveland, Ohio
- Cleveland Wire Cloth & Mfg. Co., 3573 E. 78th St., Cleveland 5, Ohio
- Climax Industries, Inc., Climax Engineering Div., Clinton, Iowa
- Clippard Instrument Laboratory, Inc., 1125 Bank St., Cincinnati 14, Ohio
- Clough Brengle Co., 6014 N. Broadway, Chicago, Illinois
- Cloves Ceramic Corp., 3711 Calhoun Ave., P. O. Box 1802, East Lake, Chattanooga 7, Tenn.
- Coastwise Electronics Co. Inc., 130 N. Beaud. Ave., Los Angeles, Calif.
- Coda Record Co., 1291 Sixth Ave., New York 19, N. Y.
- Cohn Corp., Sigmund, 44 Gold St., New York, N. Y.
- Coil Winders Inc., 61 Bergen St., Brooklyn 2, N. Y.
- Cole Instrument Co., 1320 S. Grand Ave., Los Angeles 15, Calif.
- Cole Radio Works, 86 Westville Ave., Caldwell, N. J.
- Cole-Werner Corp., 345 Albert Ave., Mansfield, Ohio
- Coleman Instruments, Inc., 318 Madison St., Maywood, Illinois
- Colgate Mfg. Corp., Lindenhurst, L. I., N. Y.
- Collins Audio Products Co., P. O. Box 368, Westfield, N. J.
- Collins Radio Co., Cedar Rapids, Iowa
- Collyer Insulated Wire Co., 249 Roosevelt Ave., Pawtucket, R. I.
- Colonial Brass Co., 100 Vine St., Middleboro, Mass.
- Colonial Radio Corp., 254 Rano St., Buffalo 7, N. Y.
- Columbia Electric Mfg. Co., 4519 Hamilton Ave., N. E., Cleveland 14, Ohio
- Columbia Metal Box Co., 260 E. 143rd St., New York, N. Y.
- Columbia Nut & Bolt Co., 945 Main St., Bridgeport 3, Conn.
- Columbia Wire & Supply Co., 5734 N. Elson Ave., Chicago 30, Ill.
- Columbian Rope Co., Auburn, N. Y.
- Columbus Electronics Inc., 229 South Waverly St., Yonkers, N. Y.
- Columbus Process Co., Inc., State & Maple Sts., East Columbus, Ind.
- Comar Electric Co., 3148 N. Washtenaw Ave., Chicago 18, Ill.
- Combustion Control Corp., 77 Broadway, Cambridge 42, Mass.
- Combustion Research Laboratories, Inc., 104-18 Metropolitan Ave., Forest Hills, N. Y.
- Commercial Equipment Co., 112 W. 18th St., Kansas City 8, Mo.
- Commercial Radio Sound Corp., 575 Lexington Ave., New York 22, N. Y.
- Commercial Research Labs. Inc., 20 Bartlett Ave., Detroit 3, Michigan
- Commodore Record Co., 289 Nepperhan Ave., Yonkers 2, N. Y.
- Communicating Systems Inc., 203 East 18th St., New York 3, N. Y.
- Communication Accessories Co., Box 345, 110th St. & Hillcrest Rd., Hickman Hills, Mo.
- Communication Equipment & Engineering Co., 5646 W. Race St., Chicago 44, Ill.
- Communication Measurements Lab. Inc., 120 Greenwich St., New York, N. Y.
- Communication Products Company, Inc., Broadway & Clark St., Keyport, N. J.
- Communications Co., Inc., 300 Greco Ave., Coral Gables 34, Fla.
- Communications Parts, 1101 N Paulina St., Chicago 22, Ill.
- Conant Labs., 6500 "O" St., Lincoln 5, Nebraska
- Concord Radio Corp., 901 W. Jackson Blvd., Chicago 7, Ill.
- Condenser Products Co., 1375 N. Branch St., Chicago 22, Ill.
- Congress Tool & Die Div., Tann Corp., 3300 Denton Ave., Detroit 12, Mich.
- Conn Ltd., C. G., Electronics Div., Elkhart, Ind.
- Connecticut Hard Rubber Co., 407 East St., New Haven 9, Conn.
- Connecticut Specialties Co., Box 501, Stamford, Conn.
- Connecticut Telephone & Electric Div., Great American Industries, 70 Britannia St., Meriden, Conn.
- Consolidated Engineering Corp., 620 N. Lake Ave., Pasadena 4, Calif.
- Consolidated Molded Products Corp., Scranton 2, Pa.
- Consolidated Wire & Associated Companies, 1635 S. Clinton St., Chicago 16, Illinois
- Continental Carbon, Inc., 13900 Lorain Ave., Cleveland 11, Ohio
- Continental Diamond Fibre Co., 16 Chapel St., Newark 16, Delaware
- Continental Electric Co., Geneva, Ill.
- Continental Electric Co., Inc., 334 Ferry St., Newark 5, N. J.
- Continental Electronics, Ltd., 252 Norman Ave., Brooklyn 22, N. Y.
- Continental Electronics Mfg. Co., 1728 Wood St., Dallas 1, Texas
- Continental Screw Co., New Bedford, Mass.

Control Corp., 718 Central Ave., Minneapolis 14, Minn.

Control Products Inc., Harrison, N. J.

Cook Ceramic Mfg. Co., 501 Prospect St., Trenton 1, N. J.

Cook Electric Co., 2700 Southport Ave., Chicago, Ill.

Cook Laboratories, 139 Gordon Blvd., Floral Park, N. Y.

Cooper Co., Clark, 345 N. Market St., Palmyra, N. J.

Cooper Electronic Products Co., 5106 Frankford Ave., Philadelphia 24, Pa.

Copperweld Steel Co., Glassport, Pa.

Coral Designs, P. O. Box 248, Forest Hills, N. Y.

Corbin Screw Division, American Hardware Corp., High, Myrtle & Grove Sts., New Britain, Conn.

Cords Ltd., 780 Frelinghuysen Ave., Newark 5, N. J.

Cornell Dubilier Electric Co., 1000 Hamilton Blvd., South Plainfield, N. J.

Corning Glass Works, Corning, N. Y.

Cornish Wire Co., 15 Park Row, New York 7, N. Y.

Corona Engineering Service, 94-52 Corona Ave., Elmhurst, N. Y.

Coronet Radio & Television Corp., 500 W. 52nd St., New York 19, N. Y.

Cortley Television Corp., 15 W. 27th St., New York 1, N. Y.

Cosmic Radio Corp., 699 East 135th St., New York, N. Y.

Cossor (Canada) Ltd., 301-303 Windsor St., Halifax, N. S., Canada

Coto-Coil Co., Inc., 65 Pavilion Ave., Providence 5, R. I.

Cottrell Paper Co., 88 Purchase St., Fall River, Mass.

Craft Mfg. Co., 3949 W. Schubert St., Chicago, Ill.

Cramer Co., Inc., R. W., Centerbrook, Conn.

Crescent Industries, Inc., 4140 Belmont Ave., Chicago 41, Ill.

Crocker-Wheeler Electric Mfg. Co., Div. of Joshua Hendy Corp., Amperce, N. J.

Croname, Inc., 3701 Ravenswood Ave., Chicago, Ill.

Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio

Cross Co., H., 15 Beekman St., New York, N. Y.

Crowley & Co. Inc., Henry L., 1 Central Ave., West Orange, N. J.

Crown Capacitor Corp., Minot & Depot Sts., Wrentham, Mass.

Crozier Scientific Glass Co., 17 Madison Ave., Lansdowne, Pa.

Crucible Steel Co. of America, 405 Lexington Ave., New York 17, N. Y.

Crystal Devices Co., Inc., 50 Mill Rd., Freeport, N. Y.

Crystal Research Labs. Inc., 29 Allyn St., Hartford, Conn.

Curtis Development and Mfg. Co., 1 N. Crawford Ave., Chicago 24, Ill.

Cutler-Hammer, Inc., 315 No. 12th St., Milwaukee 1, Wis.

Cuyahoga Spring Co., 10272 Berea Rd., Cleveland, Ohio

Cyclohm Motor Corp., Racine, Wis.

Cyclotron Specialties Co., Moraga 8, Calif.

D. & M. Manufacturing Co., 2 Delford Ave., Bergenfield, N. J.

DX Radio Products Co. Inc., 2304 Armitage Ave., Chicago 47, Ill.

Dahlstrom Metallic Door Co., Jamestown, N. Y.

Dallons Labs., 5066 Santa Monica Blvd., Los Angeles, Calif.

Dalmo Victor Co., San Carlos, Calif.

Dano Electric Co., Winsted, Conn.

Dante Electric Mfg. Co., Bantam, Conn.

Daven Co., 191 Central Ave., Newark 4, N. J.

Davies Molding Co., Harry, 1428 N. Wells St., Chicago 10, Ill.

Davis & Co., Dean W., Kentland, Ind.

Davis Electric Co., Cape Girardeau, Mo.

Dayco Radio Corp., 915 Valley St., Dayton 4, Ohio

Decca Records, Inc., 50 W. 57th St., New York 19, N. Y.

Decimeter Inc., 1430 Market St., Denver 2, Colorado

De Coursey Engineering Lab., P. O. Box 235, Los Angeles 25, Calif.

DeJur-Amsco Corp., Northern Blvd. at 45th St., Long Island City 1, N. Y.

Delco Appliance Div., General Motors Corp., 391 Lyell Ave., Rochester, N. Y.

Delco Radio Div., General Motors Corp., Kokomo, Ind.

Delmhorst Instrument Co., 115 Cornelia St., Boonton, N. J.

De Mornay-Budd Inc., 475 Grand Concourse, New York 51, N. Y.

Despatch Oven Co., 619 S. E. 8th St., Minneapolis 14, Minn.

Detect-O-Ray Co., 2622 N. Halsted St., Chicago 14, Ill.

Deutschmann Corp., Tobe, Norwood, Mass.

Development Engineering Co., Inc., 1818 Ashland St., Houston 8, Texas

De Vine Laboratories, Madison, N. J.

DeWald Radio Mfg. Corp., 35-15 37th Ave., Long Island City, N. Y.

Dial Light Co. of America, Inc., 900 Broadway, New York 3, N. Y.

Diamond Drill Carbon Co., 53-63 Park Row, New York 7, N. Y.

Diamond Instrument Co., North Ave., Wakefield, Mass.

Diamond Wire & Cable Co., Sycamore, Ill.

Dictaphone Corp., 420 Lexington Ave., New York 17, N. Y.

Diehl Manufacturing Co., 1129 Finnerne Ave., Somerville, N. J.

Dielectric Materials Co., 5315-17 N. Ravenswood Ave., Chicago 40, Ill.

Dielectric Products Co., Inc., 125 Virginia Ave., Jersey City 5, N. J.

Diemolding Corp., Rasbach St., Canastota, N. Y.

Dietz Design & Mfg. Co., 5810 Park Ave., Kansas City 4, Mo.

Dietzgen Co., Eugene, 2425 Sheffield Ave., Chicago, Ill.

Dilks Co., Seymour, Conn.

Dillon & Co., Inc., W. C., 5410 W. Harrison St., Chicago 44, Ill.

Dimco-Gray Co., 207 E. Sixth St., Dayton, Ohio

Dine and Co., Inc., F. E., 2221 Warwick Ave., Santa Monica, Calif.

Dinion Coil Co., Inc., Caledonia, N. Y.

Distillation Products, Inc., Vacuum Equip. Div., 755 Ridge Rd. W., Rochester, N. Y.

Division Lead Co., 836 W. Kinzie St., Chicago 22, Ill.

Dixon Crucible Co., Joseph, Jersey City, N. J.

Do-All Co., 254 No. Laurel Ave., Des Plaines, Ill.

Dobeckmun Co., The, Industrial Products Div., Cleveland 1, Ohio

Doehler-Jarvis Corp., 386 Fourth Ave., New York 16, N. Y.

Dolph Co., John C., Monmouth Junction, N. J.

Dongan Electric Mfg. Co., 2987 Franklin St., Detroit, Mich.

Doolittle Radio, Inc., 7421 S. Loomis Blvd., Chicago 36, Ill.

Dormitzer Electric & Mfg. Corp., 782 Commonwealth Ave., Boston 15, Mass.

Douglas Radio Labs., 40 Wayland St., Boston 25, Mass.

Dow Chemical Co., Midland, Mich.

Dow Corning Corp., Midland, Mich.

Drake Electric Works, 3656 Lincoln Ave., Chicago 13, Ill.

Drake Mfg. Co., 1713 Hubbard St., Chicago, Ill.

Driver Co., Wilbur B., 150 Riverside Ave., Newark, N. J.

Driver-Harris Co., 201 Middlesex St., Harrison, N. J.

Dual-Remote Control Co., Garden City, Mich.

Dumont Electric Co., 308 Dyckman St., New York, N. Y.

Du Mont Labs., Inc., Allen B., 2 Main Ave., Passaic, N. J.

Dumore Co., The, 1225 14th St., Racine, Wis.

Dunton Co., M. W., The, 670 Eddy St., Providence 3, R. I.

Duotone Co., 799 Broadway, New York, N. Y.

Duplan Corp., 512 Seventh Ave., New York, N. Y.

du Pont de Nemours & Co., Inc., E. I., Wilmington 98, Delaware

du Pont de Nemours & Co., E. I., Patterson Screen Div., Tonawanda, Pa.

Durakool Inc., 1010 N. Main, Elkhart, Ind.

Durez Plastic & Chemicals, Inc., 1921 Walck Rd., North Tonawanda, N. Y.

Dynamic Air Engineering Inc., 1619 S. Alameda St., Los Angeles, Calif.

Dzus Fastener Co., Inc., Box 785, Babylon, N. Y.

Eagle Electric Mfg. Co., Inc., 23-10 Bridge Plaza S., Long Island City, N. Y.

Eagle Electronics, Inc., Irvington, N. Y.

Eagle Pencil Co., 703 E. 13th St., New York, N. Y.

Eagle Signal Corp., Moline, Ill.

Eastern Air Devices Inc., 585 Dean St., Brooklyn 17, N. Y.

Eastern Case Co., 5401 5th Ave., Brooklyn, N. Y.

Eastern Industries Co., 296 Elm St., New Haven, Conn.

Eastern Metals Industries, 250 W. 54th St., New York 19, N. Y.

Eastern Smelting & Refining Corp., 107-109 W. Brookline St., Boston 18, Mass.

Eastern Specialty Co., Philadelphia 40, Pa.

Eastman Kodak Co., Industrial Photographic Sales Div., 343 State St., Rochester 4, N. Y.

Easy-Up Tower Co., 3800 Kinzie Ave., Racine, Wis.

Eberhard Faber Pencil Co., 37 Greenpoint Ave., Brooklyn 22, N. Y.

Ebert Engineering Co., 185-09 Jamaica Ave., Hollis 9, N. Y.

Eby, Inc., Hugh H., 4700 Stenton Ave., Philadelphia 44, Pa.

Ecco High Frequency Corp., 7020 Hudson Blvd., North Bergen, N. J.

Eckert-Mauchly Computer Corp., 3747 Ridge Ave., Philadelphia 32, Pa.

Eckstein Radio & Television Co., Le Roy, Minn.

Eclipse Manufacturing Company, Inc., 294 East 137th St., New York 54, N. Y.

Eclipse Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.

Economy Fuse & Mfg. Co., 2717 Greenview Ave., Chicago 14, Ill.

Edin Electronics Co., 207 Main St., Worcester, Mass.

Edison, Inc., Thomas A., 51 Lakeside Ave., West Orange, N. J.

Edison, Inc., Thomas A., Instrument Div., West Orange, N. J.

Edison Storage Battery Div., Thomas A. Edison, Inc., Main St. at Lakeside Ave., W. Orange, N. J.

Edo Corp., College Point, Long Island, N. Y.

Egyptian Lacquer Mfg. Co., 1270 Sixth Ave., New York, N. Y.

Eicor, Inc., 1501 W. Congress St., Chicago 7, Ill.

Eidson Electronic Co., 1802 N. Third St., Temple, Texas

Eisler Engineering Co., Inc., 740 S. 13th St., Newark 3, N. J.

Eitel-McCullough, Inc., San Bruno, Calif.

Elastic Stop Nut Corp., 2330 Vauxhall Rd., Union, N. J.

Elcor, Inc., 4525 N. 124th St., Butler, Wis.

Elderen Co., The, 610-16 W. National Ave., Milwaukee 4, Wis.

Electran Mfg. Co., 4596 Elston Ave., Chicago 30, Ill.

Electric Auto-Lite Co., The, Toledo 1, Ohio

Electric Design & Mfg. Corp., Burlington, Iowa

Electric Eye Equipment Co., 16 W. Fairchild St., Danville, Ill.

Electric Furnace Co., Salem, Ohio.

Electric Heat Control Co., The, 9123 Inman Ave., Cleveland 5, Ohio

Electric Indicator Co., 21 Parker Ave., Stamford, Conn.

Electric Machinery Manufacturing Co., 1331 NE Tyler St., Minneapolis 13, Minn.

Electric Motor Corp., Racine, Wis.

Electric Products Co., 1725 Clarkstone Rd., Cleveland 12, Ohio

Electric Regulator Corp., 1938 Park Ave., New York 35, N. Y.

Electric Soldering Iron Co., W. Elm St., Deep River, Conn.

Electric Sorting Machine Co., 410 44th St., SW, Grand Rapids, Mich.

Electric Specialty Co., 211 South St., Stamford, Conn.

Electric Storage Battery Co., Allegheny Ave., & 19th St., Philadelphia 32, Pa.

Electric Tachometer Corp., 2218 Vine St., Philadelphia 3, Pa.

Electrical Coil Winding Co., 2733 Saunders St., Camden, N. J.

Electrical Industries, Inc., 42 Summer Ave., Newark 4, N. J.

Electrical Insulation Co., Inc., 12 Vestry St., New York, N. Y.

Electrical Reactance Corp., Elm St., Franklinville, N. Y.

Electrical Refractories Co., 50 Clark St., East Palestine, Ohio

Electrical Windings, Inc., 2015 N. Kolmar Ave., Chicago 39, Ill.

Electricoil Transformer Co., 421 Canal St., New York 13, N. Y.

Electrix Corp., 150 Middle St., Pawtucket, R. I. 15, Mass.

Electro-Connector Corp., 110 W. Oxford St., Philadelphia 22, Pa.

Electro Engineering Works, 6021 College Ave., Oakland 18, Calif.

Electro-Mechanical Instrument Co., 812 Chestnut St., Perkasie, Pa.

Electro-Medical Lab., Inc., Holliston, Mass.

Electro Metallurgical Division, Union Carbide and Carbon Corp., 30 E. 42nd St., New York 17, N. Y.

- Electro Motive Mfg. Co., South Park & John St.,
Williamantic, Conn.
- Electro-Nite Carbon Co., 1133 E. Columbia Ave.,
Phila. 25, Pa.
- Electro Physical Labs., Inc., 290-8 Dyckmann St.,
New York 34, N. Y.
- Electro Products Labs., 549 W. Randolph St., Chi-
cago 6, Ill.
- Electro-Seal Corp., 946 Lee St., Des Plaines, Ill.
- Electro Switch Corp., 193 Broad St., Weymouth
88, Mass.
- Electro-Tech Equipment Co., 117 Lafayette St.,
New York 13, N. Y.
- Electro-Technical Products Div., Sun Chemical
Corp., Nutley 10, N. J.
- Electro-Voice, Inc., Buchanan, Mich.
- Electrodyne Company, 899 Boylston St., Boston
- Electrofax Corp., 30 Burtis Ave., New Canaan,
Conn.
- Electron Equipment Corp., 917 Meridian Ave.,
South Pasadena, Calif.
- Electronic Associates, Inc., Long Branch, N. J.
- Electronic Batteries Inc., Bush Terminal Bldg. No.
4, 28-34 35th St., Brooklyn 32, N. Y.
- Electronic Coils, Inc., 44 Taylor St., Springfield,
Mass.
- Electronic Control Corp., 1573 E. Forest St., De-
troit, Mich.
- Electronic Controls Co. of New York, 3124 Avenue
I, Brooklyn 10, N. Y.
- Electronic Corp. of America, 353 W. 48th St.,
New York, N. Y.
- Electronic Designs, Inc., Irvington, N. Y.
- Electronic Development Co., 4420 N. 23rd St.,
Omaha 11, Nebraska
- Electronic Development Laboratory, 2655 West
19th St., Chicago 8, Ill.
- Electronic Engineering Co., 616 G St., San Diego
1, Calif.
- Electronic Engineers, 1039 B Pacific St., Santa
Monica, Calif.
- Electronic Enterprises, Inc., 65 7th Ave., Newark
4, N. J.
- Electronic Indicator Corp., 53 Wyckoff St., Brook-
lyn, N. Y.
- Electronic Instrument Co., Inc., 276 Newport St.,
Brooklyn 12, N. Y.
- Electronic Labs, Inc., 24 W. 24th St., Indian-
apolis 4, Ind.
- Electronic Measurements Co., Red Bank, N. J.
- Electronic Mechanical Products Co., 13-15-17 N.
Virginia Ave., Atlantic City, N. J.
- Electronic Mechanics, Inc., 70 Clifton Blvd.,
Clifton, N. J.
- Electronic Products Co., St. Charles, Ill.
- Electronic Products Co., 443 Greenwood St., New
York, N. Y.
- Electronic Products Co., 111 E. 3rd St., Mt.
Vernon, N. Y.
- Electronic Rectifier Inc., 737 N. East St., Indi-
anapolis, Ind.
- Electronic Specialties Mfg. Co., 125 N. Main St.,
Elkhart, Ind.
- Electronic Specialty Co., 3456 Glendale Blvd.,
Los Angeles, Calif.
- Electronic Supply Co., 207 Main St., Worcester,
Mass.
- Electronic Systems Co., 201 N. Wells St., Chicago
1, Ill.
- Electronic Transformer Co., Inc., 207 W. 25th St.,
New York, N. Y.
- Electronic Tube Corp., 1200 E. Mermaid Ave.,
Philadelphia 18, Pa.
- Electronics Contracting Co., 122 Chambers St.,
New York 7, N. Y.
- Electrons, Inc., 127 Sussex Ave., Newark 4, N. J.
- Electrovox Co., Inc., 66 Franklin St., East Orange,
N. J.
- Electyeme Motor Products Corp., 565 W. Wash-
ington Blvd., Chicago 6, Ill.
- Elematic Equipment Corp., 6046 S. Wentworth
Ave., Chicago 21, Ill.
- Ellinwood Industries, 150 W. Slauson Ave., Los
Angeles 3, Calif.
- Elliott Mfg. Co., 218 Prospect Ave., Binghamton,
N. Y.
- Elm Laboratories, 18 South Broadway, Dobbs
Ferry, N. Y.
- Elpar Co., 326 Cooper St., Camden, N. J.
- Eltron Inc., 407 N. Jackson St., Jackson, Mich.
- El-tronics, Inc., 2647 No. Howard St., Philadelphia,
33, Pa.
- Emeloid Co., Inc., The, 1239 Central Ave., Hillside
5, N. J.
- Emerson Radio & Phonograph Corp., 111 8th
Ave., New York, N. Y.
- Empire Coil Co., Inc., 238 Huguenot St., New
Rochelle, N. Y.
- Engineering Co., 27 Wright St., Newark, N. J.
- Engineering Lab., Inc., 602 E. 4th St., Tulsa 3,
Okla.
- Engineering Research Associates, Inc., 1902 W.
Minnehaha Ave., St. Paul 4, Minn.
- Engineering Research Corp., Shreveport, La.
- Engineers Specialty Div., Universal Engraving
& Colorplate Co., 980 Ellicott St., Buffalo 8,
N. Y.
- Englewood Electrical Supply Co., 5801 S. Halsted
St., Chicago, Ill.
- Enjay Co., Inc., 26 Broadway, New York, N. Y.
- Ensign Coil Co., 2516 S. Pulaski Rd., Chicago,
Ill.
- Entwistle Co., James L., P. O. Box 305, Provi-
dence, R. I.
- Eppley Lab., Inc., The, Newport, R. I.
- Eraser Co., Inc., The, Industrial Products Div.,
104 S. State St., Syracuse 2, N. Y.
- Erco Radio Labs., Inc., East Stewart Ave., Garden
City, N. Y.
- Eriasson Screw Machine Products Co., 25 Lafay-
ette St., Brooklyn 1, N. Y.
- Erie Resistor Corp., 644 W. 12th St., Erie, Pa.
- Espey Mfg. Co., Inc., 528 E. 72nd St., New
York, N. Y.
- Espey Electronic Corp., Dawkins, 11747 W. Pico
Blvd., Los Angeles 34, Calif.
- Ess Instrument Co., 96 So. Washington Ave.,
Bergenfield, N. J.
- Essex Electronics, Berkeley Heights, N. J.
- Essex Wire Corp., 1601 Wall St., Ft. Wayne 6,
Ind.
- Eso Standard Oil Co., 15 W. 51st St., New York
19, N. Y.
- Esterline-Angus Co., Inc., P. O. Box 596,
Indianapolis, Ind.
- Etched Products Corp., 39-01 Queens Blvd.,
Long Island City, N. Y.
- Eutectic Welding Alloys Corp., 40 Worth St.,
New York 13, N. Y.
- Ewart & Koch, 15 Brattle St., Cambridge 38,
Mass.
- Executone, Inc., 415 Lexington Ave., New York
17, N. Y.
- Fada Radio & Electric Co., Inc., 525 Main St.,
Belleville, N. J.
- Fafmir Bearing Co., Booth St., New Britain, Conn.
- Fairchild Camera & Instrument Corp., 88-06
Van Wyck Blvd., Jamaica 1, N. Y.
- Fairchild Recording Equipment Corp., 154th St.
& 7th Ave., Whitestone, N. Y.
- Falstrom Co., 44 Falstrom Court, Passaic, N. J.
- Fansteel Metallurgical Corp., 2200 Sheridan Rd.,
North Chicago, Ill.
- Farley & Loetscher Mfg. Co., Dubuque, Iowa
- Farmers' Engineering & Mfg. Co., 549 Brushton
Ave., Pittsburgh, Pa.
- Farnsworth Television & Radio Corp., Ft. Wayne,
Ind.
- Farrand Optical Co., Inc., Bronx Blvd. at 238th
St., New York 66, N. Y.
- Farrelly Co., 1245 N. 26th St., Philadelphia 21,
Pa.
- Fasco Industries, Inc., Rochester 2, N. Y.
- Fast & Co., John E., 3101 N. Pulaski Rd., Chi-
cago 41, Ill.
- Federal Electric Products Co., 50 Paris St.,
Newark, N. J.
- Federal Engineering Co., 37 Murray St., New
York 7, N. Y.
- Federal Instrument Corp., 14-02 Broadway, L. I.
City 2, N. Y.
- Federal Screw Products Co., 224 W. Huron St.,
Chicago 10, Ill.
- Federal Telecommunication Labs., Inc., 500 Wash-
ington Ave., Nutley 10, N. J.
- Federal Telephone and Radio Corp., 100 Kings-
land Rd., Clifton, N. J.
- Federal Tool & Mfg. Co., 3600 Alabama Ave.,
St. Louis Park, Minneapolis 16, Minn.
- Federal Wire & Cable Corp., Haverstraw, N. Y.
- Federated Metals Div., American Smelting &
Refining Co., 120 Broadway, New York 5, N. Y.
- Feiler Engineering Co., 945 W. George St., Chi-
cago 14, Ill.
- Felsenthal & Sons, Inc., G., 4100 W. Grand
Ave., Chicago 51, Ill.
- Felt Products Mfg. Co., 1504 W. Carroll Ave.,
Chicago 7, Ill.
- Felters Co., The, 210 South St., Boston, Mass.
- Fenwal, Inc., 43A Pleasant St., Ashland, Mass.
- Ferranti Electric, Inc., 30 Rockefeller Plaza, New
York 20, N. Y.
- Ferris Instrument Co., 110 Cornelia St., Boon-
ton, N. J.
- Fidelitone Corp., 1616 Devon Ave., Chicago 26,
Ill.
- Fidelity Amplifier Co., 1632 No. Halsted St.,
Chicago 14, Ill.
- Field Electrical Instrument Co., 109 E. 184th
St., New York 53, N. Y.
- Fielden Electronics Inc., 1171 New York Av
Huntington Station, N. Y.
- Filtron Co., Inc., The, 38-25 Bell Blvd., Bayside,
Long Island, N. Y.
- Finch Telecommunications, Inc., Passaic, N. J.
- Fischer & Porter Co., Harbor, Pa.
- Fischer-Smith, Inc., 164 State St., West Engle-
wood, N. J.
- Fish-Schurman Corp., 230 E. 45th St., New
York 17, N. Y.
- Fisher-Pierce Co., 70 Ceylon St., Boston 21,
Mass.
- Fisher Radio Corp., 41 East 47th Street, New
York, N. Y.
- Fisher Research Lab., 1961 University Ave.,
Palo Alto, Calif.
- Fisher Scientific Co., 717 Forbes St., Pittsburgh
19, Pa.
- Five Star Radio Co., 416 Broadway, Cambridge,
Mass.
- Flexo Wire Co., Inc., 70 W. First St., Oswego,
N. Y.
- Flight Research Engineering Corp., P. O. Box 1-F,
Richmond 1, Va.
- Flock Process Co., Velvetone Div., 3 Quincy St.,
Norwalk, Conn.
- Flowmeter Corp. of America, High Falls, N. Y.
- Fluke Engineering Co., John, Box 755, Spring-
dale, Conn.
- Flush Wall Radio Co., 9 W. Park St., Newark 2,
N. J.
- Follansbee Steel Co., 3rd & Liberty Sts., Pitts-
burgh 30, Pa.
- Footo Brothers Gear & Machine Corp., 4545 S.
Western Blvd., Chicago 9, Ill.
- Footo Mineral Co., 10 E. Cheltenham Ave., Phila-
delphia 44, Pa.
- Ford Instrument Co., Inc., 31-10 Thomson Ave.,
Long Island City, N. Y.
- Ford Radio & Mica Corp., 536 63rd St., Brooklyn,
N. Y.
- Fordham Mfg. Co., 2736 Creston Ave., New York
58, N. Y.
- Foredom Electric Co., 27 Park Place, New York
7, N. Y.
- Formica Insulation Co., 4662 Spring Grove Ave.,
Cincinnati 32, Ohio
- Foster Transformer Co., Inc., 3820 Colerain Ave.,
Cincinnati 23, Ohio
- Fostoria Pressed Steel Corp., Fostoria, Ohio
- Foxboro Co., The, Foxboro, Mass.
- Frankel Connector Co., 177 Hudson St., New
York, N. Y.
- Franklin Fibre-Lamitex Corp., 12th and French
Sts., Wilmington, Delaware
- Franklin Mfg. Corp., A. W., 43-20 34th St.,
Long Island City 1, N. Y.
- Franklin Paint & Varnish Co., Benjamin, 4820
Langdon St., Philadelphia 24, Pa.
- Franklin Transformer Mfg. Co., 65 22nd Ave.,
NE, Minneapolis 13, Minn.
- Fredericks Co., Geo. E., Bethayres, Pa.
- Freed Radio Corp., 200 Hudson St., New York,
N. Y.
- Freed Transformer Co., Inc., 1736 Weirfield St.,
Brooklyn 27, N. Y.
- Friez Instrument Div., Bendix Aviation Corp.,
Baltimore 4, Md.
- Frying Mfg. Co., 639 W. 12th St., Erie, Pa.
- Fugle-Miller Laboratories, 398 Main St., Metuchen,
N. J.
- Fulton Syphon Div., Robertshaw-Fulton Con-
trols Co., Knoxville 4, Tenn.
- Furst Electronics, 10A S. Jefferson St., Chicago
6, Ill.
- Fusite Corp., Carthage at Hannaford, Cincin-
nati 12, Ohio
- G-M Laboratories, Inc., 4313 N. Knox Ave.,
Chicago, Ill.
- G. V. Mfg. Corp., 1001 First Ave., Asbury
Park, N. J.
- Gadgets Inc., 3629 N. Dixie Dr., Dayton 5, Ohio
- Gaertner Scientific Corp., 1201 Wrightwood Ave.,
Chicago 14, Ill.
- Gale-Dorethea, 37-61 85th St., Jackson Heights,
L. I. N. Y.
- Gamewell Co., The, Newton Upper Falls 64, Mass.
- Gardner Electric Mfg. Co., 4227 Hollis St.,
Emeryville 8, Calif.
- Gardner Lab., Inc., Henry A., 4723 Elm St.,
Bethesda 14, Md.
- Garod Radio Corp., 70 Washington St., Brooklyn
1, N. Y.
- Garrard Sales Corp., 315 Broadway, New York
7, N. Y.
- Garrett Co., Inc., George K., 1421 Chestnut St.,
Philadelphia 2, Pa.
- Gasket Engineering Co., 2440 Charlotte St.,
Kansas City 8, Mo.

ton Power Tools, 2659 W. 95th St., Chicago 42, Ill.

Radio Co., Quincy, Ill.

Satti, Inc., Aurele M., 524 E. Washington St., Trenton, N. J.

Gaveco Labs., Inc., 2 East End Ave., New York 21, N. Y.

Gear Specialties, 2635 W. Medill Ave., Chicago 47, Ill.

Gemloid Corp., 79-10 Albion Ave., Elmhurst, N. Y.

General Aniline & Film Corp., Antara Products, 444 Madison Ave., New York 17, N. Y.

General Cable Corp., 420 Lexington Ave., New York, N. Y.

General Cement Mfg. Co., 919 Taylor Ave., Rockford, Ill.

General Ceramics & Steatite Corp., Keasbey, N. J.

General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.

General Control Company, 1200 Soldiers Field Rd., Boston 34, Mass.

General Controls Co., Glendale 1, Calif.

General Dry Batteries, Inc., 13000 Athens Ave., Cleveland, Ohio

General Electric Co., Schenectady 5, N. Y.

General Electric Co., Chemical Dept., Pittsfield, Mass.

General Electric Co., Construction Materials Dept., Bridgeport 2, Conn.

General Electric Co., Electronics Dept., Syracuse, N. Y.

General Electric Co., Nela Park, Cleveland 12, Ohio

General Electric X-Ray Corp., 4855 W. McGeoch Ave., Milwaukee, Wisc.

General Electronics, Inc., 101 Hazel St., Paterson, N. J.

General Industries Co., Taylor & Olive Sts., Elyria, Ohio

General Instrument Corp., 829 Newark Ave., Elizabeth 3, N. J.

General Insulated Wire Works, Inc., 69 Gordon Ave., Providence 5, R. I.

General Lead Batteries Co., 196 W. Railway Ave., Paterson, N. J.

General Magnetic Corp., 10001 Erwin Ave., Detroit 5, Mich.

General Photo Products Co., Inc., 15 Summit Ave., Chatham, N. J.

General Plate Div., Metals & Controls Corp., Attleboro, Mass.

General Precision Lab., Inc., Pleasantville, N. Y.

General Radio Co., 275 Massachusetts Ave., Cambridge 39, Mass.

General Television and Radio Corp., 2701 N. Lehmann St., Chicago 14, Ill.

General Tire & Rubber Co., The Silentbloc Division, Wabash, Indiana

General Transformer Corp., 4321 N. Knox Ave., Chicago 41, Ill.

Geophysical Instrument Co., 1820 N. Nash St., Arlington, Va.

George Co., P. D., 5200 N. 2nd St., St. Louis, Mo.

Gerett Corp., M. A., 724 W. Winnebago St., Milwaukee 5, Wis.

Giannini & Co., Inc., 285 W. Colorado St., Pasadena 1, Calif.

Gibbs Division, George W. Borg Corp., Delavan, Wis.

Gibson Co., Wm. D., Div. of Associated Spring Corp., 1800 Clybourn Ave., Chicago, Ill.

Gibson-Electric Co., 8350 Frankstown Ave., Pittsburgh 21, Pa.

Gilandun Electronics, 14 Union Ave., Campbell, Calif.

Gilfillan Bros., Inc., 1815 Venice Blvd., Los Angeles 6, Calif.

Gilner Mfg. Co., 21 E. 34th St., Steger, Ill.

Girard-Hopkins, 1000 40th Ave., Oakland 1, Calif.

Girdler Corp., Thermex Div., 224 E. Broadway, Louisville 1, Ky.

Gisholt Machine Co., 1245 E. Washington Ave., Madison 3, Wis.

Glaser Lead Co., Inc., 31 Wyckoff Ave., Brooklyn, N. Y.

Gleason-Avery Inc., Auburn, N. Y.

Globe Industries, 125 Sunrise Pl., Dayton, Ohio

Globe Phone Mfg. Co., 2 Linden Street, Reading, Mass.

Globe Products Corp., 870 Maplewood Ave., Bridgeport 5, Conn.

Glyco Products Co., Inc., 26 Court Street, Brooklyn, N. Y.

Goat Co., Inc., Fred, 314 Dean St., Brooklyn, N. Y.

Godfrey Mfg. Co., 171 S. 2nd St., Milwaukee 4, Wis.

Goldmark Wire Co., James, The, 75 Murray Street, New York 7, N. Y.

Goldsmith Bros. Smelting & Refining Co., 109 N. Wabash Ave., Chicago, Ill.

Goodrich Chemical Co., B. F., Cleveland 15, Ohio

Goodyear Tire & Rubber Co., Chemical Div., 1144 E. Market St., Akron 16, Ohio

Gordon Co., Claud S., 3000 S. Wallace St., Chicago 16, Ill.

Gordon Specialties Co., 542 S. Dearborn St., Chicago 5, Ill.

Gorham Co., Bronze Div., Providence 7, R. I.

Gorrell & Gorrell, Haworth, N. J.

Goslin Electric and Manufacturing Co., 2921 W. Olive St., Burbank, Calif.

Gothard Mfg. Co., 2110 Clear Lake Ave., Springfield, Ill.

Gould Moody Co., 395 Broadway, New York, N. Y.

Gould Storage Battery Corp., 35 Neoga St., DePew, N. Y.

Gov-Mac Instrument Co., 22 Lawrence St., Newark 5, N. J.

Grady Instrument Co., 689 Belmont St., Belmont 78, Mass.

Grafo Colloids Corp., Sharon, Pa.

Gramer Company, The, 2734 N. Pulaski Rd., Chicago 39, Ill.

Grammes & Sons, Inc., L. F., 389 Union St., Allentown 2, Pa.

Grant Pulley & Hardware Co., 57th St. & Broadway, Woodside, L. I., N. Y.

Graphite Metallizing Corp., 1041 Nepperhan Avenue, Yonkers 3, N. Y.

Gray Mfg. Co., 16 Arbor St., Hartford, Conn.

Gray Radio Co., 501 Forest Hill Blvd., W. Palm Beach, Fla.

Gray Research & Development Co., 16 Arbor St., Hartford 1, Conn.

Grayhill, 1 N. Pulaski Rd., Chicago 24, Ill.

Great Lakes Electric Mfg. Co., 17 S. Desplaines St., Chicago 6, Ill.

Green Electric Co., W., 130 Cedar St., New York, N. Y.

Greene Mfg. Corp., G. G., Warren, Pa.

Greenhut Insulation Co., 31 W. 21st St., New York 10, N. Y.

Greenlee Tool Co., 2136 12th St., Rockford, Ill.

Gregory Mfg. Co., Inc., The, 67 Franklin St., New Haven 11, Conn.

Grisby-Allison Co., Inc., 407 N. Salem Ave., Arlington Heights, Ill.

Gross Electronics, Inc., 1865-71 Prospect Ave., Cleveland 15, Ohio

Guardian Electric Mfg. Co., 1621 W. Walnut St., Chicago 12, Ill.

Guthman, Inc., Edwin I., 15 S. Throop St., Chicago, Ill.

Haft & Sons, Inc., 79 Third St., Brooklyn 31, N. Y.

Hague & Co., Inc., Alfred, 227 34th St., Brooklyn, N. Y.

Hall Co., Gordan L., Old Lyme, Conn.

Halderson Co., The, 4500 Ravenswood, Ave., Chicago 40, Ill.

Hallett Mfg. Co., 1601 Florence Ave., Inglewood, Calif.

Hallicrafters Co., 4401 W. Fifth Ave., Chicago 24, Ill.

Haloid Co., The, 6 Haloid St., Rochester, N. Y.

Halowax Products Div., Union Carbide & Carbon Corp., 30 E. 42nd Street, New York, N. Y.

Hammarlund Mfg. Co., 460 W. 34th St., New York 1, New York

Hamilton Kent Mfg. Co., Kent, Ohio

Handy & Harman, 82 Fulton St., New York 7, N. Y.

Hanovia Chemical & Mfg. Co., 233 N. J. R.R. Ave., Newark, N. J.

Hansen Mfg. Co., Inc., Princeton, Indiana

Hardwick, Hindle, Inc., 40 Hermon St., Newark, N. J.

Harmonia Records, 1328 Broadway, New York, N. Y.

Harnett Electric Corp., 138 Haven Ave., Port Washington, L. I., N. Y.

Harper Co., The, H. M., 2620 Fletcher Street, Chicago 13, Ill.

Harris Mfg. Co., 2422 W. 7th Street, Los Angeles 5, Calif.

Hart & Co., Inc., Frederick, 839 Main Ave., Poughkeepsie, N. Y.

Hart Mfg. Co., 110 Bartholomew Ave., Hartford 1, Conn.

Hartman Electrical Mfg. Co., 175 N. Diamond St., Mansfield, Ohio

Harvey Radio Labs., Inc., 447 Concord Ave., Cambridge, Mass.

Harvey Wells Electronics, Inc., North St., Southbridge, Mass.

Haskins Co., R. G., 2651 W. Harrison St., Chicago 12, Ill.

Hassall, Inc., John, Clay & Oakland Sts., Brooklyn, N. Y.

Hastings Instrument Co., Box 1275, Hampton, Va.

Hathaway Instrument Co., 1315 S. Clarkson St., Denver 10, Colo.

Hawley Products Co., St. Charles, Ill.

Haydon Mfg. Co., Inc., 584 E. Elm St., Torrington, Conn.

Haydon Co., A. W., The, 111 W. Main St., Waterbury 32, Conn.

Haydu Bros., Plainfield, N. J.

Haynes Labs., Inc., C. W., 61 Chandler St., Springfield, Mass.

Haynes Stellite Co., Unit of Union Carbide and Carbon Corp., 30 E. 42nd St., New York 17, N. Y.

Hazard Insulated Wire Works Div., The Okonite Co., Wilkes Barre, Pa.

Heath Co., Benton Harbor, Mich.

Heiland Research Corp., 130 E. 5th Ave., Denver 9, Colo.

Heinemann Electric Co., 97 Plum St., Trenton 2, N. J.

Heintz & Kaufman Ltd., South San Francisco, Calif.

Heinze Electric Co., 685 Lawrence St., Lowell, Mass.

Heli-Coil Corp., 47-23 35th St., Long Island City 1, N. Y.

Helipot Corp., 1011 Mission St., So. Pasadena, Calif.

Heller Co., Gerald K., 1540 Ridgely St., Baltimore 30, Md.

Helwig Co., 2544 N. 30th St., Milwaukee 10, Wisc.

Hercules Electric & Mfg. Co., Inc., 2500 Atlantic Avenue, Brooklyn 7, N. Y.

Hercules Powder Co., Inc., 900 Market St., Wilmington 99, Del.

Heresite and Chemical Company, Manitowoc, Wisc.

Herlec Corp., The, 422 N. Fifth St., Milwaukee 3, Wisc.

Hermaseal Co., The, Riverside Drive, Elkhart, Ind.

Hermetic Seal Products Co., 29-37 South 6th St., Newark, N. J.

Hertner Electric Co., 12690 Elmwood Ave., Cleveland 11, Ohio

Hetherington & Son, Inc., Robert, Sharon Hill, Pa.

Hewlett-Packard Co., 395 Page Mill Rd., Palo Alto, Calif.

Hexaco Electric Co., 130 W. Clay Ave., Roselle Park, N. J.

Heyman Mfg. Co., 300 Michigan Ave., Kenilworth, N. J.

Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland, Ohio

Hillburn Electronic Products Co., 55 Nassau Ave., Brooklyn 22, N. Y.

Hi-Par Products Co., Fitchburgh, Mass.

High Frequency Heating Co., 143 Glen Park Ave., Gary, Indiana

High Voltage Engineering Corp., 7 University Rd., Cambridge 38, Mass.

Hobbs Mfg. Co., 26 Salisbury St., Worcester, Mass.

Hoffman Engineering Corp., Anoka, Minn.

Hoffman Radio Corp., 3716 S. Hill Street, Los Angeles 7, Calif.

Hofmann Corp., C. L., 436 Blvd. of the Allies, Pittsburgh 19, Pa.

Hollingsworth & Vose Co., East Walpole, Mass.

Hollister Crystal Co., Boulder, Colo.

Holliston Mills, Inc., Norwood, Mass.

Hollymade Hardware & Mfg. Co., 4865 Exquisition Blvd., Los Angeles, Calif.

Hollywood Radio Cabinet Co., 924 N. Formosa Ave., Hollywood, Calif.

Holtzer-Cabot, Inc., 125 Amory St., Boston 19, Mass.

Home Recording Products Corp., Freeport, L. I., N. Y.

Homelite Corp., Port Chester, N. Y.

Hope Webbing Co., Providence 1, R. I.

Hopp Press Inc., 460 W. 34th St., New York, N. Y.

Horn Co., Inc., A. C., 43-36 Tenth St., Long Island City 1, N. Y.

Horton Machine Products Co., Horton & Rockaway Aves., Valley Stream, N. Y.

Hose-McCann Telephone Co., Inc., 25th St. & 3rd Ave., Brooklyn 32, N. Y.

Hoskins Mfg. Co., 4445 Lawton Ave., Detroit 8, Mich.

Houlihan Company, T. J., 2508-14 W. Lawrence Avenue, Chicago 25, Illinois

House of Television, 601 W. 26th St., New York, N. Y.

Hovis Screwlock Co., 8100 E. Nine Mile Rd., Van Dyke, Mich.

- Howard Co., The, 934 Argyle Rd., Drexel Hill, Pa.
- Howard Mfg. Corp., 1401 S. Main, Council Bluffs, Iowa
- Hubbard Spring Co., M. D., Central Ave., Pontiac, Mich.
- Hubbell, Inc., Harvey, Bridgeport 2, Conn.
- Hudson Wire Co., Winsted Div., Winsted, Conn.
- Hunt Corp., The, 455 Lincoln St., Carlisle, Pa.
- Hunter Photo Copyist Co., 566 Spencer St., Syracuse, N. Y.
- Hunter Pressed Steel Co., Lansdale, Pa.
- Hunter Spring Co., Lansdale, Pa.
- Hunton Plastics Co., 178 S. Van Brunt St., Englewood, N. J.
- Huse Liberty Mica Co., 171 Camden St., Boston, Mass.
- Hydraulic Press Mfg. Co., Mt. Gilead, Ohio
- HyLite Antennae, 528 Tiffany St., Bronx, N. Y.
- Hytron Radio & Electronics Corp., 76 Lafayette St., Salem, Mass.
- I-T-E Circuit Breaker Co., 19th & Hamilton Sts., Philadelphia 30, Pa.
- Ideal Industries, Inc., Park & Borden Avenues, Sycamore, Ill.
- Ilg Electric Ventilating Co., 2850 N. Crawford Ave., Chicago 41, Ill.
- Illinois Condenser Co., 1616 N. Throop St., Chicago 22, Ill.
- Illinois Testing Labs., Inc., 420 N. La Salle Street, Chicago 10, Ill.
- Illinois Wood Products Corp., 1656 No. Besly Court, Chicago 22, Ill.
- Ilco Copper Tube & Products Inc., Mariemont Ave., Mariemont, Cincinnati 27, Ohio
- Indiana Steel Products Co., 6 N. Michigan Ave., Chicago 2, Ill.
- Indiana Steel & Wire Co., 700 S. Council St., Muncie, Ind.
- Induction Heating Corp., 181 Wythe Ave., Brooklyn 11, N. Y.
- Inductive Equipment Co., Gettysburg, Pa.
- Inductograph Laboratory, Box 76, Brookfield, Conn.
- Industrial Condenser Corp., 3243 N. California Ave., Chicago 18, Ill.
- Industrial Devices Inc., 22 State Rd., Edgewater, N. J.
- Industrial Electronics, Inc., 2457 Woodward Ave., Detroit 1, Mich.
- Industrial Electronics & Transformer Co., 1809 E. Slauson Ave., Los Angeles 11, Calif.
- Industrial Instruments Inc., 17 Pollack Ave., Jersey City 5, N. J.
- Industrial Products Co., Danbury, Conn.
- Industrial Synthetics Corp., 225 North Ave., Garwood, N. J.
- Industrial Television Inc., 359 Lexington Ave., Clifton, N. J.
- Industrial Timer Corp., 115 Edison Pl., Newark 5, N. J.
- Ingrahm Co., E., Bristol, Conn.
- Inland Plastic of America, Inc., 20 W. 30th St., New York, N. Y.
- Insl-X Co., Inc., The, Water St., Ossining, N. Y.
- Instrument Development & Mfg. Corp., 3018 E. Foothill Blvd., Pasadena 8, Calif.
- Instrument Electronics, 42-17A Douglaston Parkway, Douglaston, L. I., N. Y.
- Instrument Resistors Co., 1036 Commerce Ave., Union, N. J.
- Instrument Specialties Co., Inc., 254 Bergen Blvd., Little Falls, N. J.
- Instrument Parts Corp., P. O. Box 150, Ossining, N. Y.
- Insulatine Co., 1 Broadway, New York, N. Y.
- Insulating Fabricators, Inc., 12 E. 12th St., New York 3, N. Y.
- Insulating Fabricators of New England, Inc., 69 Grove St., Watertown 72, Mass.
- Insulating Tube Co., 26 Cottage St., P. O. Box 1, Poughkeepsie, N. Y.
- Insulation Mfg. Co., 11 New York Ave., Brooklyn, New York
- Insulation Mfrs. Corp., 565 W. Washington Blvd., Chicago 6, Ill.
- Insuline Corp. of America, 36-02 35th Avenue, Long Island City, N. Y.
- International Derrick & Equipment Co., 875 Michigan Ave., Columbus 8, Ohio
- International Detrola Corp., Detrola Radio Div., 1501 Beard Ave., Detroit, Mich.
- International Instruments, Inc., 331 East St., New Haven 11, Conn.
- International Machine Works, 2027 46th St., North Bergen, N. J.
- International Merit Products Corp., 254 W. 54th St., New York 19, N. Y.
- International Nickel Co., Inc., The, 67 Wall St., New York 5, N. Y.
- International Rectifier Corp., 6809 S. Victoria Ave., Los Angeles 43, Calif.
- International Resistance Co., 401 N. Broad St., Philadelphia 8, Pa.
- International Telephone & Telegraph Corp., 67 Broad St., New York, N. Y.
- International Television Corp., 238 William St., New York 7, N. Y.
- Interstate Mfg. Corp., 125 Sussex Ave., Newark 4, N. J.
- Intervox Corp., 2701 California Ave., Seattle, Wash.
- Intra-Video Corp. of America, 851 Madison Ave., New York 21, N. Y.
- Ionic Equipment Co., 1705 N. Kenmore Ave., Los Angeles, 27, Calif.
- Irvington Varnish & Insulator Co., 10 Argyle Terrace, Irvington 11, N. J.
- Islip Radio Mfg. Corp., Beech St., Islip, N. Y.
- Isotopes Div., Atomic Energy Commission, Oak Ridge, Tenn.
- J-B-L Instrument Co., Sycamore & Mill Rd., Clifton Hts., Pa.
- J B T Instruments Inc., 441 Chapel St., New Haven 8, Conn.
- J. F. D. Mfg. Co., 6101-23 Sixteenth Ave., Brooklyn, N. Y.
- Jackson Electrical Instrument Co., 16 S. Patterson Blvd., Dayton 1, Ohio
- Jackson Electro Corp., 124 Bleecker St., New York, N. Y.
- Janette Mfg. Co., 556 W. Monroe St., Chicago 6, Illinois
- Jarrel-Ash Co., 165 Newbury St., Boston 16, Mass.
- Jarvis Electronics Corp., 6058 W. Fullerton Ave., Chicago 39, Ill.
- Jefferson, Inc., Ray, 40 E. Merrick Rd., Freeport, N. Y.
- Jefferson Electric Co., Bellwood, Ill.
- Jefferson-Travis Inc., 76 Ninth Ave., New York 11, N. Y.
- Jelliff Mfg. Corp.; C. O., 200 Pequot Ave., Southport, Conn.
- Jennings Radio Mfg. Co., 1098 E. William St., San Jose 12, Calif.
- Jensen Industries Inc., 329 S. Wood St., Chicago, Ill.
- Jensen Mfg. Co., 6601 S. Laramie Ave., Chicago 38, Ill.
- Jerome Camera & Instrument Corp., Massapequa, N. Y.
- Jerrold Electronics, 121 N. Broad St., Phila., Pa.
- Jewel Radio Corp., 583 Avenue of the Americas, New York 11, N. Y.
- Jiffy Sales Co., 1820 East 37th St., Cleveland 14, Ohio
- Johns-Manville, 22 E. 40th St., New York 16, N. Y.
- Johnson Co., E. F., Waseca, Minn.
- Johnson Fan & Blower Corp., 1319 W. Lake St., Chicago 7, Ill.
- Johnson Gas Appliance Co., 520 Ave. E. N.W., Cedar Rapids, Iowa
- Johnson Mfg. Co., Inc., Mt. Vernon, Iowa
- Johnston Tin Foil & Metal Co., 6100 S. Broadway, St. Louis 11, Mo.
- Jones Electronics Co., M. C., 96 N. Main St., Bristol, Conn.
- Jones, Howard B., Div., Cinch Mfg. Corp., 2460 W. George St., Chicago 18, Ill.
- Jones Motrola Corp., 432 Fairfield Ave., Stamford, Conn.
- Jones Spring Co., W. B., 124 E. 7th St., Cincinnati, Ohio
- Joyner Corp., The, 462 N. Parkside Ave., Chicago 44, Ill.
- K-V Transformer Corp., 4414 Park Ave., New York 57, N. Y.
- Kaar Engineering Co., 2815 Middlefield Road, Palo Alto, Calif.
- Kahle Engineering Co., 1307 7th St., North Bergen, N. J.
- Kalbfell Labs., Inc., 1076 Morena Blvd., San Diego 10, Calif.
- Karet Associates, Inc., R. M., 510 N. Dearborn St., Chicago, Ill.
- Karp Metal Products Co., Inc., 215 63rd St., Brooklyn 20, N. Y.
- Kartron, Inc., Box 472, Huntington Beach, Calif.
- Kay Electric Co., 14 Maple Ave., Pine Brook, N. J.
- Keasbey & Mattison, Ambler, Pa.
- Keithley Instruments, 1507 Warrensville Center Rd., Cleveland 21, Ohio
- Kellems Co., Saugatuck, Conn.
- Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago 38, Ill.
- Kelnor Mfg. Corp., 215 Kearney St., San Francisco 8, Calif.
- Kemlite Labs., 1819 W. Grand Ave., Chicago 22, Ill.
- Kemode Mfg. Co., 161 W. 18th St., New York 11, N. Y.
- Kent Co., F. C., 64-72 Howard St., Irvington, N. J.
- Kent Woodcraft Corp., 2-20 Hooper St., Brooklyn 11, N. Y.
- Kenyon Transformer Co., Inc., 840 Barry Street, New York 59, N. Y.
- Kepeco Labs. Inc., 149-14 41st Ave., Flushing, N. Y.
- Kester Solder Co., 4212 Wrightwood Ave., Chicago 33, Ill.
- Keuffel & Esser Co., Hoboken, N. J.
- Keystone Carbon Co., Inc., Saint Marys, Pa.
- Keystone Electronics Co., 50-52 Franklin St., New York 13, N. Y.
- Kilburn Glass Co. Inc., J. R., 22 S. Worcester Street, Chartley, Mass.
- King Laboratories Inc., 127 Solar St., Syracuse 4, N. Y.
- Kings Electronics Co., Inc., 372 Classon Ave., Brooklyn 5, N. Y.
- Kingston Radio Co., Inc., Kokomo, Ind.
- Kinney Mfg. Co., 3529 Washington St., Boston, Mass.
- Kinsey Radio Mfg. Co., 5807 Oak St., Omaha 7, Nebraska
- Kip Electronics Corp., 155 Waverly Place, New York 14, N. Y.
- Kirchberger & Co., Inc., M., 1425 Thirty Seventh Street, Brooklyn 18, N. Y.
- Kirk & Blum Mfg. Co., 2893 Spring Grove Ave., Cincinnati 25, Ohio
- Kirkland Co., H. R., The, 8 King St., Morristown, N. J.
- Kling Metal Spinning Co., 174 Centre Street, New York 13, N. Y.
- Klipsch & Associates, Hope, Arkansas
- Kluge Electronics Inc., 1913 Montrose St., Los Angeles 26, Calif.
- Knights Co., James, 131 S. Wells St., Sandwich, Ill.
- Kobzy Tool Co., 1535 N. Dayton Ave., Chicago 22, Ill.
- Koh-I-Noor Pencil Co., Bloomsbury, N. J.
- Kollsman Instrument Div. of Square D. Co., 80-08 45th Avenue, Elmhurst, N. Y.
- Kolton Electric Mfg. Co., 123 New Jersey Railroad Avenue, Newark 5, N. J.
- Kopp Glass Inc., 1 East 42nd St., New York 17, N. Y.
- Koppers Co., Inc., Chemical Div., Koppers Bldg., Pittsburgh 19, Pa.
- Korfund Co., Inc., 4815 32nd Pl., L. I. City 1, N. Y.
- Kotron Rectifier Corp., A Standard Arcturus Affiliate, 54 Clark St., Newark 4, N. J.
- Kraft & Kraft, Hicksville, N. Y.
- Kremetz & Co., 49 Chestnut St., Newark 5, N. J.
- Krieg Co., Charles W., 52 Dickerson St., Newark, N. J.
- Kuhn & Jacob Molding & Tool Co., 1200 Southard St., Trenton, N. J.
- Kulka Electric Mfg. Co., Inc., 30 South St., Mt. Vernon, N. Y.
- Kurman Electric Co., Inc., 35-18 37th St., Long Island City 1, N. Y.
- Kurz-Kasch, Inc., 1415 S. Broadway, Dayton 1, Ohio
- Kuthe Laboratories, Inc., 150 Summit Street, Newark 4, N. J.
- Kwikheat Mfg. Co., 3732 San Fernando Rd., Glendale 4, Calif.
- Kyle Co., Div. of Line Material Co., South Milwaukee, Wisc.
- L. A. B. Corporation, 31 Union Place, Summit, N. J.
- L & R Mfg. Co., 577 Elm St., Arlington, N. J.
- Lake Mfg. Co., 2323 Chestnut St., Oakland 7, Calif.
- La Magna Mfg. Co., Inc., East Rutherford, N. J.
- Lambda Electronics Corp., 103-02 Northern Blvd., Corona, N. Y.
- Lamicaid Fabricators, Inc., 4545 Cortland St., Chicago 39, Illinois
- Laminated Plastics, Inc., 14838 Euclid Ave., Cleveland 12, Ohio
- Laminated Shim Co., Inc., 56 Union Street, Glenbrook, Conn.
- La Motte Chemical Products Co., Towson 4, Baltimore, Md.
- Lampkin Laboratories, Inc., Bradenton, Fla.
- Lamson & Sessions Co., 1971 W. 85th St., Cleveland, Ohio
- Landis & Gyr, Inc., 104 Fifth Avenue, New York 11, N. Y.

- Mfg. Corp., 37 W. 65th Street, New York 23, N. Y.
 Engineering Co., Electronics Div., 735 Kalamazoo St., Lansing 12, Mich.
 Sound Inc., James B., 4221 S. Lincoln Blvd., Venice, Calif.
 Lansing Stamping Co., 1159 S. Pennsylvania Avenue, Lansing, Michigan
 Lansky Die Cutting Co., 192½ Greene St., New York 12, N. Y.
 LaPointe-Plascomold Corp., Unionville, Conn.
 Lapp Insulator Co., Inc., 31 Gilbert St., LeRoy, N. Y.
 La Rose & Associates, W. T., 646 Second Avenue, Troy, N. Y.
 Larrimore Sales Co., P. O. Box 1234, St. Louis 1, Missouri
 Lauehik Radio Mfg. Co., 3931 Monroe Avenue, Wayne, Michigan
 Lavoie Laboratories, Morganville, N. J.
 Leach Relay Co., 5915 Avalon Blvd., Los Angeles 3, Calif.
 Lear, Inc., 110 Ionia Avenue, N.W., Grand Rapids 2, Michigan
 Leco Engineering Corp., Box 908, Lincoln, Nebr.
 Lectrohm, Inc., 5939 Archer Ave., Chicago 38, Ill.
 Electronic Research Labs., 1021 Callowhill St., Phila. 23, Pa.
 Leeds & Northrup Co., 4970 Stenton Avenue, Philadelphia 44, Pa.
 Legri-S Co., Inc., 846 Amsterdam Ave., New York 25, N. Y.
 Lehigh Structural Steel Co., 17 Battery Pl., New York 4, N. Y.
 Leiman Bros., 114 Christie St., Newark 5, N. J.
 Lektra Labs., 30 E. 10th St., New York, N. Y.
 Leland, Inc., G. H., 123 Webster Street, Dayton 2, Ohio
 Leland Electric Co., 1501 Webster St., Dayton, Ohio
 Lenk Mfg. Co., The, 30 Cummington St., Boston 15, Mass.
 Lenkurt Electric Co., Inc., San Carlos, Calif.
 Lenz Electric Mfg. Co., 1751 N. Western Ave., Chicago 47, Ill.
 Leonard Electric Products Co., 1562 61st St., Brooklyn, N. Y.
 Lepel High Frequency Labs., Inc., 39 West 6th St., New York 23, N. Y.
 Leru Laboratories, Inc., 360 Bleecker St., New York 14, N. Y.
 Leupold & Stevens Instruments, 4445 N.E. Glisan Street, Portland 13, Ore.
 Lewis Engineering Co., 52 Rubber Ave., Naugatuck, Conn.
 Lewis Spring & Mfg. Corp., 2646 North Ave., Chicago 47, Ill.
 Lewyt Corp., 60 Broadway, Brooklyn, N. Y.
 Liebel-Flarsheim Co., 303 W. Third St., Cincinnati 2, Ohio
 Lincophone Co., Inc., 226 Lansing St., Utica, N. Y.
 Linde Air Products Co., Unit of Union Carbide and Carbon Corp., 30 E. 42nd St., New York 17, N. Y.
 Lindsay Corp., The, 1740 25th Ave., Melrose Park, Ill.
 Lingo & Son, Inc., John E., 28th St. & Buren Ave., Camden, N. J.
 Linick Chemical Co., 29 E. Madison St., Chicago 2, Ill.
 Link Engineering Co., 13581 Elmira St., Detroit 27, Mich.
 Link Radio Corp., 125 W. 17th St., New York, N. Y.
 Linton & Bros. Inc., Horace, 3081 Ruth St., Philadelphia 34, Pa.
 Littelfuse Inc., 4757 Ravenswood Ave., Chicago 40, Ill.
 Little Falls Alloys, Inc., 189 Caldwell Ave., Paterson 1, N. J.
 Litton Industries, San Carlos, Calif.
 Locke Incorporated, P. O. Box 57, Baltimore 3, Md.
 Loge Sound Engineers, J. M., 2171 W. Washington Blvd., Los Angeles 7, Calif.
 London Gramophone Corp., The, 16 W. 22nd St., New York 10, N. Y.
 Lorain Products Corp., 1122 F. St., Lorain, Ohio
 Loral Electronics Corp., 794 E. 140th St., New York 54, N. Y.
 Lord Mfg. Co., 1635 W. 12th St., Erie, Pa.
 Lorentzen, Inc., H. K., 391 W. Broadway, New York 12, N. Y.
 Lowell Insulated Wire Co., Lowell, Mass.
 Lukens Steel Co. & Divisions, By-Products Steel Co. & Lukenweld, 447 Lukens Bldg., Coatesville, Pa.
 Luma Electric Equipment Co., P. O. Box 132, Toledo 1, Ohio
 Lumenite Electric Co., 407 S. Dearborn St., Chicago 5, Ill.
 Lunday Associates, Mfg. Div., 694 Main St., Waltham 54, Mass.
 Luzerne Rubber Co., Muirhead Ave., Trenton, N. J.
 Lynan Electronic Corp., 12 Cass Street, Springfield, Mass.
 Lynch Co., F. W., 151 2nd St., San Francisco, Calif.
 Lyte Parts Co., 312 Park Ave., Plainfield, N. J.
 McColpin-Christie Corp., 4922 S. Figueroa St., Los Angeles 37, Calif.
 McElroy Mfg. Corp., Littleton, Mass.
 McMurdo Silver Co., Inc., 1240 Main Street, Hartford 3, Conn.
 McQuay-Norris Mfg. Co., 2320 Marconi Ave., St. Louis 10, Mo.
 MB Mfg. Co., 1060 State St., New Haven 11, Conn.
 M. P. Concert Installations, Fairfield 10, Conn.
 Maas & Waldstein Co., 438 Riverside Avenue, Newark 4, N. J.
 Macallen Co., The, 16 Macallen St., Boston 27, Mass.
 Macdonald & Co., Inc., W. S., 33 University Rd., Cambridge 38, Mass.
 Machine-O-Matic, Inc., P. O. Box 238, Ashley, Ohio
 Machlett Laboratories, Springdale, Conn.
 Mack Electrical Devices Inc., 43 Glenside Ave., Wyncote, Pa.
 Mack Molding Co., Wayne, N. J.
 MacLeod & Hanopol, 10 Joiner St., Charlestown 29, Mass.
 Magnavision, Inc., 1546 Second Ave., New York 28, N. Y.
 Magnavox Co., The, Components Div., Fort Wayne 4, Indiana
 Magnecord, Inc., 360 N. Michigan Ave., Chicago 1, Ill.
 Magnetic Analysis Corp., 42-44 Twelfth Street, Long Island City 1, N. Y.
 Magnetic Core Corp., 142-144 S. Highland Ave., Ossining, N. Y.
 Magnetic Devices, Corp., 232 Broad Ave., Palisades Park, N. J.
 Magnetic Devices, Inc., 712 East St., Frederick, Md.
 Magnetic Metals Co., Hayes Ave. & 21st St., Camden, N. J.
 Magnetic Products Corp., The, Norwalk, Conn.
 Magnetic Recorders Co., 7120 Melrose St., Los Angeles, Calif.
 Magnetic Windings Div., Essex Wire Corp., Freemansburg Ave. & Hobson Blvd., Easton, Pa.
 Magnograph Corp., 5800 W. 3rd St., Los Angeles, Calif.
 Maguire Industries Inc., Electronics Dept., Bridgeport, Conn.
 Maico Co. Inc., 25 North 3rd St., Minneapolis, Minn.
 Maida Development Co., 12 E. Howard St., Phoebus, Va.
 Major Television Corp., 19 W. 44th St., New York, N. Y.
 Makepeace Co., D. E., Attleboro, Mass.
 Mallory & Co., Inc., P. R., 3029 E. Washington St., Indianapolis 6, Ind.
 Manning, Maxwell & Moore, Inc., 11 Elias St., Bridgeport 2, Conn.
 Manross & Sons, F. N., Div. Associated Spring Corp., Bristol, Conn.
 Manufacturers Battery Co., Sub. of Ray-O-Vac Co., Madison, Wisc.
 Manufacturers Engr. & Equip. Corp., Willow Grove, Pa.
 Marathon Battery Co., Wausau, Wisc.
 Marathon Electric Mfg. Corp., Randolph & Cherry Sts., Wausau, Wisc.
 Marble-Card Electric Co., Gladstone, Mich.
 Marlette Corp., 37-21 30th St., Long Island City, N. Y.
 Marbon Corp., Gary, Ind.
 Marco Industries, 210 South Clementine, Anaheim, Calif.
 Marco Industries, Inc., Depew, N. Y.
 Marino Radio Co., 203 Greenwich St., New York 7, N. Y.
 Marion Electrical Instrument Co., Manchester, N. H.
 Maritime Quality Hardware Co., Inc., Belfast, Maine
 Marknet Machine Co., Keene, N. H.
 Market Forge Co., Everett 49, Mass.
 Marlboro Tool & Mfg. Co., Charles St. & New Brunswick Ave., Matawan, N. J.
 Martindale Electric Co., Box 617, Edgewater Branch, Cleveland 7, Ohio
 Maryland Electronic Mfg. Corp., 5009 Calvert Rd., College Park, Md.
 Masonite Corp., 111 W. Washington St., Chicago 2, Ill.
 Massa Laboratories, 3868 Carnegie St., Cleveland, Ohio
 Maurer Inc., J. A., 37-01 31st St., Long Island City, N. Y.
 Mayfair Molded Products Corp., 4440 N. Elston Avenue, Chicago 30, Ill.
 Measurement Engineering Ltd., Arnprior, Ontario, Canada
 Measurements Corp., Boonton, N. J.
 Meck Industries, John, Liberty at Pennsylvania, Plymouth, Ind.
 Medical Electronics Co., P. O. Box 3541, Cleveland 18, Ohio
 Meissner Mfg. Div., Maguire Industries, Inc., Mt. Carmel, Ill.
 Melco Products, Inc., 22 E. Hennepin Avenue, Minneapolis 1, Minn.
 Mellaphone Corp., Rochester 2, N. Y.
 Melpar, Inc., 452 Swann Ave., Alexandria, Va.
 Mepco Inc., 37 Madison Ave., Morristown, N. J.
 Merck & Co., Inc., Rahway, N. J.
 Mercoid Corp., The, 4201 Belmont Ave., Chicago 41, Ill.
 Merit Coil & Transformer Corp., 4427 N. Clark St., Chicago 40, Ill.
 Metalace Corp., 2101 Grand Concourse, Bronx, N. Y.
 Meters, Inc., 915 Westfield Blvd., Indianapolis 20, Ind.
 Methode Mfg. Corp., 1733 N. Milwaukee Ave., Chicago 47, Ill.
 Metron Instrument Co., 432 Lincoln St., Denver 9, Colorado
 Metropolitan Electronics & Instruments Co., 42 Warren St., New York 7, N. Y.
 Mettler Co., Lee B., 406 S. Main Street, Los Angeles 13, Calif.
 Metzger & Son, F. F., 2600 N. 6th St., Philadelphia 33, Pa.
 Meyercord Co., 5323 W. Lake St., Chicago 44, Ill.
 Mica Fabricating Co., 53 Central Ave., Rochelle Park, N. J.
 Mica Insulator Co., Schenectady 1, N. Y.
 Micacraft Products Inc., 701 McCarter Highway, Newark 5, N. J.
 Micamold Radio Corp., 1087 Flushing Ave., Brooklyn 6, N. Y.
 Micarta Fabricators, Inc., 5324 Ravenswood Avenue, Chicago 40, Illinois
 Mico Instrument Co., 80 Trowbridge St., Cambridge 38, Mass.
 Micro Switch Division of First Industrial Corp., 7 Spring St., Freeport, Ill.
 Microtone Co., Ford Parkway on the Mississippi, St. Paul 5, Minn.
 Microwave Equipment Co., North Caldwell, N. J.
 Mid-American Sales Co., 315-17-19 N. Cardinal Ave., St. Louis 3, Mo.
 Midco Mfg. & Distributing Co., S. 13th & Kentucky Avenue, Sheboygan, Wisconsin
 Midland Paint & Varnish Co., 9115 Reno Avenue, Cleveland 5, Ohio
 Midwest Molding & Mfg. Co., 319 N. Whipple Street, Chicago 12, Illinois
 Midwest Radio Corp., 909 Broadway, Cincinnati 2, Ohio
 Mid-West Spring Mfg. Co., 4632 S. Western Avenue, Chicago 9, Illinois
 Miles Reproducer Co., Inc., 812 Broadway, New York 3, N. Y.
 Milford Rivet & Machine Co., Milford, Conn.
 Millen Mfg. Co., James, 150 Exchange St., Malden, Mass.
 Miller, August E., 9226 Hudson Blvd., North Bergen, N. J.
 Miller, B. F., P. O. Box 568, Trenton 4, N. J.
 Miller Co., J. W., 5917 S. Main St., Los Angeles, Calif.
 Miller Corp., William, 362 W. Colorado St., Pasadena, Calif.
 Miller Mfg. Co., M. A., 1169 E. 43rd St., Chicago 15, Ill.
 Milwaukee Resistor Co., 700 W. Virginia Street, Milwaukee 4, Wisconsin
 Milwaukee Stamping Co., 800 S. 72nd St., Milwaukee, Wisc.
 Minerallac Electric Co., 25 N. Peoria St., Chicago, Illinois
 Mines Equipment Co., 4235 Clayton Ave., St. Louis, Mo.
 Miniature Precision Bearings, Inc., Keene, New Hampshire
 Minneapolis-Honeywell Regulator Co., 2753 Fourth Avenue S., Minneapolis, Minn.
 Minnesota Electronics Corp., 97 E. Fifth St., St. Paul 1, Minn.

- Minnesota Mining & Mfg. Co., 900 Fauquier Ave., St. Paul, Minn.
- Minute Man Products, Inc., 309 East 22nd Street, New York 10, N. Y.
- Mirror Record Corp., 1133 Broadway, New York 10, N. Y.
- Miskella Infra-Red Co., The, E. 73rd & Grand Ave., Cleveland 4, Ohio
- Mission Electric Mfg. Co., 132 W. Colorado Blvd., Pasadena, Calif.
- Mitchell Rand Insulation Co., Inc., 51 Murray Street, New York 7, N. Y.
- Mobile Communications Co., 110 W. Ocean Blvd., Long Beach 2, Calif.
- Model Engineering & Mfg., Inc., Huntington, Indiana
- Model Rectifier Corp., 127 Atlantic Ave., Ocean-side, L. I., N. Y.
- Modern Hearing Aids Laboratory, The, 2076 Kingsway, Vancouver, Canada
- Modulation Products Co., 202 E. 44th St., New York, N. Y.
- Moisture Register Co., P. O. Drawer No. 910, Alhambra, California
- Molded Insulation Co., Aircraft Control Div., 335 E. Price St., Philadelphia, Pa.
- Monitor Products Co., 815 Fremont Ave., So. Pasadena, Calif.
- Monroe Coil Co., 1606 N. California St., Chicago, Ill.
- Monsanto Chemical Co., Plastics Div., Springfield 2, Mass.
- Montgomery Mfg. Co., 549 W. Washington Blvd., Chicago 6, Ill.
- Mooradian High Frequency Labs, 13 E. Fort Lee Rd., Bogota, N. J.
- Moore Co., Howard J., 108 Park Row, New York 7, N. Y.
- Morse Co., Frank W., 1300 Soldiers Field Rd., Boston 35, Mass.
- Mosher Electronic Controls, 130 W. 42nd St., New York, N. Y.
- Mosinee Paper Mills Co., Mosinee, Wisconsin
- Mossman Inc., Donald P., 612 N. Michigan Ave., Chicago 11, Ill.
- Motorola Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
- Moulie Specialties Co., 1005-1007 W. Washington St., Bloomington, Ill.
- Moyen, C. P., 908 Chicago Ave., Chicago, Ill.
- Mu Switch Div., The Chase Shawmut Co., 33 Pequit St., Canton 31, Mass.
- Mueller Electric Co., 1583 E. 31st St., Cleveland 14, Ohio
- Multicore Solders Ltd., Mellier House, Albemarle St., London, W. 1, England
- Multi-Products Tool Co., 123 Sussex Ave., Newark 4, N. J.
- Multiple Television Mfg. Co., 987 Hegeman Ave., Brooklyn 8, N. Y.
- Murdock Mfg. Co., Wm. J., Chelsea, Mass.
- Murray American Corp., 95 Summit Ave., Summit, N. J.
- Murray Industries, 10 S. 25th St., Colorado Springs, Colorado
- Muter Co., 1255 S. Michigan Ave., Chicago, Ill.
- Mycalex Corp. of America, 60 Clifton Blvd., Clifton, N. J.
- Myers & Sons, E. A., Radioear Bldg., Beverly Rd., Pittsburgh 16, Pa.
- Mykroy, Inc., Arlington Heights Airport, Arlington Heights, Ill.
- National Carbon Co., Inc., Unit of Union Carbide & Carbon Corp., 30 E. 42nd Street, New York 17, N. Y.
- National Ceramic Co., 400 Southard St., Trenton 2, N. J.
- National Company, Inc., 61 Sherman Street, Malden 48, Mass.
- National Electric Coil Co., Columbus 16, Ohio
- National Electrical Machine Shops, Inc., 919 Jesup-Blair Drive, Silver Spring, Md.
- National Electric Controller Co., 5307 Ravenswood Avenue, Chicago, Illinois
- National Electronic Mfg. Corp., 35-05 36th St., Long Island City 5, N. Y.
- National Electronics, Inc., Geneva, Ill.
- National Electronics Labs., Inc., 200 King St., Alexandria, Va.
- National Gasket & Washer Mfg. Co., Inc., 122 E. 25th St., New York 10, N. Y.
- National Instrument Co., 246 Walnut Street, Newtonville 60, Mass.
- National Intercommunicating Systems, 1531 Devon Avenue, Chicago 26, Illinois
- National Lead Co., 111 Broadway, New York 6, N. Y.
- National Lock Washer Co., 40 Hernon St., Newark 5, N. J.
- National Molding Co., 2141 W. Washington Blvd., Los Angeles 7, Calif.
- National Moldite Co., Hillside 5, N. J.
- National Research Corp., 70 Memorial Drive, Cambridge 42, Mass.
- National Screw & Mfg. Co., The, Cleveland 4, Ohio
- National-Simplex-Bludworth, Inc., Bludworth Division, 92 Gold Street, New York 7, N. Y.
- National Spectrographic Labs., Inc., 6300 Euclid Ave., Cleveland, Ohio
- National Technical Lab., 820 Mission St., South Pasadena, Calif.
- National Union Radio Corp., 350 Scotland Rd., Orange, N. J.
- National Varished Products Corp., The, 211 Randolph Ave., Woodbridge, N. J.
- National Vulcanized Fibre Co., Wilmington, Del.
- Nebel Lab., R. E., 1104 Lincoln Place, Brooklyn 13, N. Y.
- Nelson Specialty Corp., San Leandro, Calif.
- Nelson Vacuum Pump Co., George F., 2133 Fourth Street, Berkeley 10, Calif.
- Network Mfg. Corp., Bayonne, N. J.
- Newark Transformer Co., Park & Linden Aves., Linden, N. J.
- New England Electrical Works Inc., Lisbon, N. H.
- New England Etching & Plating Co., 25 Spring St., Holyoke, Mass.
- New England Mica Co., Waltham, Mass.
- New England Screw Co., Keene, New Hampshire
- New Hampshire Ball Bearings, 5 Main St., Peterborough, N. H.
- New Jersey Wood Finishing Co., Amboy Ave., Woodbridge, N. J.
- New Jersey Zinc Co., 160 Front St., New York 7, N. Y.
- New York Solder Co., 684 E. 133rd St., New York 54, N. Y.
- New York Transformer Co., Inc., Third Ave., Alpha, N. J.
- Newcomb Audio Products Co., 6824 Lexington Ave., Hollywood 38, Calif.
- Ney Co., J. M., 179 Elm St., Hartford, Conn.
- Niagara Electron Laboratories, Andover, New York
- Nickel Cadmium Corp., Easthampton, Mass.
- Nielsen Television Corp., Newton Rd., Norwalk, Conn.
- Nilsson Electrical Laboratory, Inc., 103 Lafayette St., New York 13, N. Y.
- Noble & Westbrook Mfg. Co., 27 Westbrook St., E. Hartford 8, Conn.
- Noblitt Sparks Industries, Columbus, Ind.
- Nonotuck Mfg. Co., Holyoke, Mass.
- Norrman Labs., Ernst, Williams Bay, Wisc.
- North American Electric Lamp Co., 1014 Tyler St., St. Louis 6, Mo.
- North American Philips Co., Inc., 100 East 42nd St., New York 17, N. Y.
- North Electric Mfg. Co., 501 S. Market St., Galion, Ohio
- Northeastern Engineering Inc., Manchester, N. H.
- Northern Communications Mfg. Corp., 210 E. 40th St., New York 16, N. Y.
- Northern Industrial Chemical Co., 7-11 Elkins Street South Boston 27, Mass.
- Northern Radio Co., 314 Bell St., Seattle 1, Wash.
- Northern Radio Co., Inc., 143-145 W. 22nd St., New York 11, N. Y.
- Norton Co., 1 New Bond Street, Worcester 6, Mass.
- Norton Electrical Instrument Co., 59 Hilliard St., Manchester, Conn.
- Norton Laboratories, Inc., Lockport, N. Y.
- Nothelfer Winding Labs., 9 Albemarle Ave., Trenton 3, N. J.
- Nuclear Development Lab., Box 7601, Kansas City, Mo.
- Nuclear Instrument & Chemical Corp., 223 W. Erie St., Chicago 10, Ill.
- Nukem Products Corp., 111 Colgate Ave., Buffalo 20, N. Y.
- Numberall Stamp & Tool Co., Huguenot Park, Staten Island 12, N. Y.
- Nurnberg Thermometer Co., Inc., 4 Corey St., Boston 32, Mass.
- O. Z. Electrical Mfg. Co., Inc., 262 Bond Street, Brooklyn 2, N. Y.
- Oak Mfg. Co., 1260 N. Clybourn Ave., Chicago 10, Ill.
- Oak Ridge Antennas Div. of Video Television, Inc., 239 E. 127th St., New York 35, N. Y.
- O'Connor & Co., John T., West Orange, N. J.
- Offner Electronics Inc., 5320 N. Kedzie Ave., Chicago 25, Ill.
- Ohio Carbon Co., 12508 Berea Rd., Cleveland 11, Ohio
- Ohio Crankshaft Co., Tocco Div., 3800 Harvard Ave., Cleveland 1, Ohio
- Ohmite Mfg. Co., 4835 W. Flounoy St., 44, Ill.
- Okonite Co., The, Canal Street, Passaic, N. J.
- Olek & Son, Inc., A., 4757-59 Melrose Philadelphia 37, Pa.
- Olesen Co., Otto K., 1560 Vine Street, Hollywood 28, Calif.
- Olin Industries Inc., Electrical Division, New Haven 4, Conn.
- Olympic Radio & Television Co., 34-01 38th Ave., Long Island City, N. Y.
- Olympic Tool & Mfg. Co., Inc., 39 Chambers St., New York 7, N. Y.
- Omaha Scientific Supply Co., 3623 Lake St., Omaha 4, Neb.
- Onan & Sons Inc., D. W., 3264 Royalston Ave., Minneapolis 5, Minn.
- O'Neil-Irwin Mfg. Co., 316 8th Ave., Lake City, Minn.
- Operadio Mfg. Co., 135th & Indiana Sts., St. Charles, Ill.
- Oppenheimer Inc., Alan D., 582-586 Exchange St., Buffalo, N. Y.
- Optical Film Engineering Co., 2125 Cherry St., Philadelphia 3, Pa.
- Orthon Corp., The, Electronic Div., 196 Albion Ave., Paterson 2, N. J.
- Oris Mfg. Co., Inc., Thomaston, Conn.
- Osborne Transformer Corp., 948 E. Lafayette Avenue, Detroit 7, Mich.
- Osgood Engineering Co., 110 Pleasant St., Malden, Mass.
- Oster Mfg. Co., John, Racine, Wisconsin
- Owen Laboratories, 9130 Orion St., San Fernando, Calif.
- Owens-Corning Fiberglas Corp., 1860 Nicholas Bldg., Toledo 1, Ohio
- Owens-Illinois Glass Co., Toledo, Ohio
- Oxford Radio Corp., 3911 S. Michigan Avenue, Chicago 15, Ill.
- Ozalid Div. of Gen. Aniline & Film Corp., 770 Anasco Rd., Johnson City, N. Y.
- Pacific Electricord Company, 9304 Santa Monica Blvd., Beverly Hills, Calif.
- Pacific Mills, Industrial Fabrics Dept., 214 Church St., New York, N. Y.
- Paisley Products Inc., 1770 Canalport Ave., Chicago 16, Ill.
- Palnut Co., Inc., 77 Cordier St., Irvington 11, N. J.
- Panelyte Div., St. Regis Paper Co., 230 Park Ave., New York, N. Y.
- Panero Mirrors Inc., 2958 Los Feliz Blvd., Los Angeles, Calif.
- Panoramic Radio Corp., 10 South Second Ave., Mt. Vernon, N. Y.
- Panoramic Radio Products, Inc., 10 South Second Ave., Mt. Vernon, N. Y.
- Paper Machinery & Research, Inc., 1014 Oak St., Roselle, N. J.
- Paragon Electric Co., Two Rivers, Wisc.
- Paragon-Revolute Corp., 71 South Ave., Rochester 4, N. Y.
- Paramount Paper Tube Co., 614 LaFayette St., Ft. Wayne, Ind.
- Paravox, 2056 E. 4th St., Cleveland 15, Ohio
- Parisian Novelty Co., 3510 South Western Ave., Chicago 9, Ill.
- Park Metalware Co., 28 Bank St., Orchard Park, N. Y.
- Parker-Kalon Corp., 200 Varick St., New York 14, N. Y.
- Parker Rust Proof Co., 2177 E. Milwaukee Ave., Detroit, Mich.
- Parkwood Corp., Wakefield, Mass.
- Par-Metal Products Corp., 32-62 49th Street, Long Island City 3, N. Y.
- Pass & Seymour, Inc., Solvay Station, Syracuse, N. Y.
- Paterson Co., C. J., 3947 Broadway, Kansas City, Mo.
- Patrick's Industries 1507 W. Saratoga Avenue, Ferndale 20, Mich.
- Patton-MacGuyver Co., 17 Virginia Avenue, Providence 5, R. I.
- Paul & Beekman, Inc., 1801 Cortland St., Philadelphia 40, Pa.
- Pawtucket Mfg. Co., 327 Pine St., Pawtucket, R. I.
- Pease Co., C. F., 2601 W. Irving Park Rd., Chicago, Ill.
- Peck & Harvey, 5736-38 N. Western Ave., Chicago 45, Ill.
- Peck Springs Co., 9 King St., Plainville, Conn.
- Peerless Electrical Products Co., 6920 McKinley Ave., Los Angeles 1, Calif.
- Peerless Photo Products, Shoreham, L. I., N. Y.
- Peerless X-Ray Laboratories & Mfg. Corp., 467 10th Ave., New York 18, N. Y.
- Peirce Wire Recorder Corp., 1328 Sherman Avenue, Evanston, Illinois

Engineering & Mfg. Corp., Box 311, Doylestown, Pa.
 Fibre & Specialty Co., 2030 E. Westmoreland St., Phila. 44, Pa.
 Gen-Union Electric Corp., 315 State St., Erie, Pa.
 Perfection Electric Co., Chicago, Ill.
 Perkin Elmer Corp., The, Glenbrook, Conn.
 Perkins Machine & Gear Co., Box 1331 Springfield, Mass.
 Permanente Products Co., Inc., 1924 Broadway, Oakland 12, Calif.
 Perno Inc., 6415 Ravenswood Ave., Chicago, Ill.
 Permoflux Corp., 4900 W. Grand Ave., Chicago, Ill.
 Peters Chemical Mfg. Co., 3623 Lake St., Melrose Park, Illinois
 Petersen Radio Co., Inc., 2800 W. Broadway, Council Bluffs, Iowa
 Pfanstiehl Chemical Co., 104 Lake View Ave., Waukegan, Ill.
 Phalo Plastics Corp., 25 Foster St., Worcester 8, Mass.
 Phelps Dodge Copper Products Corp., 40 Wall St., New York, N. Y.
 Pheoll Mfg. Co., 5700 Roosevelt Rd., Chicago 50, Ill.
 Philadelphia Insulated Wire Co., 220 N. 3rd St., Phila., Pa.
 Philadelphia Steel & Wire Corp., Penn. St. & Belfield Ave., Phila., Pa.
 Philadelphia Thermometer Co., 4401 N. Sixth St., Phila., Pa.
 Philco Corp., Tioga & C Streets, Philadelphia 34, Pa.
 Phillips Control Corp., 84 W. Jefferson St., Joliet, Illinois
 Philson Mfg. Co., Inc., 156 Chambers St., New York, N. Y.
 Phonograph Needle Mfg. Co., 42 Dudley St., Providence 5, R. I.
 Phosphor Bronze Corp., 2200 Washington Ave., Philadelphia 46, Pa.
 Photobell Company, 116 Nassau St., New York 7, N. Y.
 Photocon Research Products, 1062 N. Allen Ave., Pasadena 7, Calif.
 Photoswitch, Inc., 77 Broadway, Cambridge 42, Mass.
 Photovolt Corp., 95 Madison Ave., New York 16, N. Y.
 Pho Tron Instrument Co., 5713 Euclid Ave., Cleveland, Ohio
 Picker X-Ray Corp., 300 Fourth Ave., New York 10, N. Y.
 Pickering and Co., 309 Woods Ave., Oceanside, New York
 Pierce Renewable Fuses Inc., 211 Hertel Ave., Buffalo 7, N. Y.
 Pierce Template Corp., 2646 N. Coral Street, Philadelphia 25, Pa.
 Piezo Mfg. Corp., 110 E. 42nd Street, New York 17, N. Y.
 Pilot Radio Corp., 37-06 36th St., Long Island City, N. Y.
 Pioneer Electric Co., 3700 East Olympic Blvd., Los Angeles 23, Calif.
 Pioneer Gen-E-Motor Corp., 5841 W. Dickens Ave., Chicago 39, Ill.
 Piqua Machine & Mfg. Co., Young & College Sts., Piqua, Ohio
 Planet Radio Mfg. Corp., 6508 Euclid Ave., Cleveland 3, Ohio
 Plaskon Division, Libbey-Owens-Ford Glass Co., 2112-14 Sylvan Avenue, Toledo 6, Ohio
 Plastex Corp., 402 Mt. Vernon Ave., Columbus 3, Ohio
 Plastic Accessories, Inc., 460 Broome St., New York 13, N. Y.
 Plastic Fabricators Co., 440 Sansome Street, San Francisco 11, Calif.
 Plastic Manufacturers Inc., Stamford, Conn.
 Plastic Metals Division, The National Radiator Co., 169 Bridge Street, Johnstown, Pa.
 Plastic Wire & Cable Corp., Jewett City, Conn.
 Plasticraft Products Co., 20 Hudson St., New York 13, N. Y.
 Plastoid Corp., 10 Mill Rd., Hamburg, N. J.
 Plax Corp., P. O. Box 1019, Hartford 5, Conn.
 Plume & Atwood Mfg. Co., Waterbury, Conn.
 Poinsettia Co., Inc., 95 Cedar Ave., Pitman, N. J.
 Polan Industries, 220 Eighth St., Huntington, West Virginia
 Polarad Electronics Co., 9 Ferry St., New York 6, N. Y.
 Polymer Corp., The, Reading, Pa.
 Polytechnic Research & Development Co., Inc., 66 Court St., Brooklyn 2, N. Y.
 Polytron Corp., 133 Martine Ave., White Plains, N. Y.
 Ports Mfg. Co., 3265 E. Belmont Ave., Fresno 3, Calif.
 Post & Co., Frederick, Chicago, Ill.
 Positive Lock Washer Co., 181 Miller St., Newark, N. J.
 Potdevin Machinery Co., 1278 38th St., Brooklyn 18, N. Y.
 Potter & Brumfield Sales Co., 549 W. Washington Blvd., Chicago 6, Ill.
 Potter Co., 1850 Sheridan Rd., No. Chicago, Ill.
 Potter Instrument Co., 136-56 Roosevelt Ave., Flushing, N. Y.
 Powdered Metal Products Corp., Franklin Park, Ill.
 Power Equipment Co., 55 Antoinette St., Detroit 2, Mich.
 Powhatan Mining Co., Baltimore 7, Md.
 Pratt & Whitney Div., Niles-Bement-Pond Co., West Hartford 1, Conn.
 Precise Mfg. Co., 24-34 New Chambers St., New York 7, N. Y.
 Precision Apparatus Co., Inc., 92-27 Horace Harding Blvd., Elmhurst, N. Y.
 Precision Audio Products Inc., 1133 Broadway, New York 10, N. Y.
 Precision Electronics, 641 Milwaukee Ave., Chicago 22, Ill.
 Precision Fabricators, Inc., Roosevelt Rd., E. Rochester, N. Y.
 Precision Machine Works, Inc., 730 Lyndale Ave. No., Minneapolis 11, Minn.
 Precision Metal Products Co., 342 Eastern Ave., Malden 48, Mass.
 Precision Paper Tube Co., 2033 W. Charleston St., Chicago 47, Ill.
 Precision Piezo Service, 427 Mayflower St., Baton Rouge, La.
 Precision Plastic Products Inc., 628-30 W. Lake St., Chicago 6, Ill.
 Precision Products Co., 26 Bedford St., Waltham 54, Mass.
 Precision Resistor Co., 334 Badger Avenue, Newark 8, N. J.
 Precision Transformer Co., Inc., 1101 N. Paulina St., Chicago 22, Ill.
 Precision Tube Co., Inc., 3828 Terrace St., Philadelphia 28, Pa.
 Preis Engraving Machine Co., 649 Highway No. 29, Hillside, N. J.
 Premax Products Div., Chisholm-Ryder Co., Inc., Niagara Falls 2, N. Y.
 Premier Crystal Labs, Inc., 79-89 Seventh Ave., New York 11, N. Y.
 Premier Instrument Corp., 52 W. Houston St., New York 12, N. Y.
 Premier Metal Etching Co., 21-03 44th Ave., Long Island City, N. Y.
 Press Wireless Mfg. Co., Inc., Cantiague Rd., Hicksville, L. I., N. Y.
 Presto Electric Co., Inc., 4511 New York Avenue, Union City, N. J.
 Presto Recording Corp., Paramus, N. J.
 Prestole Corp., 3119 Bellevue Rd., Toledo 6, Ohio
 Printloid Inc., 95 Mercer St., New York, N. Y.
 Process & Instruments, 60 Greenpoint Ave., Brooklyn 22, N. Y.
 Proctor Soundex Corp., 133 N. 6th Ave., Mt. Vernon, N. Y.
 Production Engineering Co., 173 Sargeant Ave., Clifton, N. J.
 Production Equipment Co., 37 W. Main St., Oyster Bay, N. Y.
 Progressive Mfg. Co., 52 Norwood St., Torrington Conn.
 Progressive Welder Co., 3050 E. Outer Dr., Detroit, Mich.
 Public Operating Co., 100 W. 42nd St., New York, N. Y.
 Pure Carbon Co., St. Marys, Pa.
 Pyle-National Co., 1334 N. Kostner Ave., Chicago 51, Ill.
 Pyramid Electric Co., 155 Oxford St., Patterson, N. J.
 Pyramid Products Co., 2224 S. State St., Chicago, Ill.
 Pyroferic Co., 621 E. 216th St., New York 67, N. Y.
 Quadriga Mfg. Co., 213 W. Grand Ave., Chicago 11, Ill.
 Quaker City Gear Works, 1908-32 N. Front St., Philadelphia, Pa.
 Quam Nichols Co., 526 E. 33rd Pl., Chicago 16, Ill.
 R. B. M. Division, Essex Wire Corp., Logansport, Ind.
 RMS Electronics, Inc., 622 E. 6th St., New York, N. Y.
 Racon Electric Co., 52 E. 19th St., New York 3, N. Y.
 Radar Engineers, 110 University St., Seattle 1, Wash.
 Rad-El Mfg. Co., 6300 Euclid Ave., Cleveland 3, Ohio
 Radex Corp., 2076 N. Elston Avenue, Chicago 14, Ill.
 Radiad Service, 720 W. Schubert Ave., Chicago 14, Ill.
 Radiart Corp., The, 3571 W. 62nd St., Cleveland, Ohio
 Radiation Counter Laboratories, Inc., 1844 West 21st St., Chicago 8, Ill.
 Radio City Products, 152 W. 25th St., New York 1, N. Y.
 Radio Condenser Co., Camden, N. J.
 Radio Corp. of America, RCA Victor Div., Front & Cooper Sts., Camden, N. J.
 Radio Craftsmen, Inc., 1341 S. Michigan Ave., Chicago 5, Ill.
 Radio Design Co., 1353 Sterling Place, Brooklyn, N. Y.
 Radio Development and Research Co., 26 Cornellson Ave., Jersey City, N. J.
 Radio Engineering Labs., Inc., 35-54 36th St., Long Island City, N. Y.
 Radio Frequency Labs., Inc., Boonton, N. J.
 Radio Inventions, Inc., 155 Perry St., New York 14, N. Y.
 Radio Mfg. Engineers Inc., 300-306 First Ave., Peoria 6, Ill.
 Radio Merchandise Sales, 550 Westchester Ave., New York 55, N. Y.
 Radio-Music Corp., Port Chester, N. Y.
 Radio Receptor Co., 251 W. 19th St., New York 11, N. Y.
 Radio Sonic Corp., 186 Union Ave., New Rochelle, N. Y.
 Radio Speakers Inc., 221 E. Cullerton St., Chicago, Ill.
 Radio Specialty Mfg. Co., 2023 S. E. Sixth Ave., Portland 14, Ore.
 Radio-Television Institute, Inc., 480 Lexington Ave., New York 17, N. Y.
 Radio Transceiver Laboratories, 116-23 Jamaica Ave., Richmond Hill 18, N. Y.
 Radioactive Products Inc., 3201 E. Woodbridge St., Detroit 7, Mich.
 Radiocrafters, 1156 Commonwealth Ave., Boston 34, Mass.
 Radiomarine Corp. of America, 75 Varick St., New York 13, N. Y.
 Radionic Transformer Co., 411 S. Sangamon St., Chicago 7, Ill.
 Rahm Instruments, Inc., 12 West Broadway, New York 7, N. Y.
 Ranco, Inc., 601 W. Fifth Ave., Columbus, Ohio
 Rangertone, Inc., 73 Winthrop St., Newark 4, N. J.
 Rapid Design, Inc., P. O. Box 592, Glendale, Calif.
 Rapid Specialties Co., 325 W. Huron Street, Chicago 10, Ill.
 Rattan Mfg. Co., The, 10 Wall St., P. O. Box 1745, New Haven 7, Conn.
 Rauland-Borg Corp., 4245 N. Knox Ave., Chicago 41, Ill.
 Rawson Electrical Instrument Co., 110 Potter St., Cambridge 42, Mass.
 Ray-Dyne Mfg. Corp., 141 West 24th St., New York 11, N. Y.
 Raymond Mfg. Co., Div. of Associated Spring Corp., 226 S. Center St., Corry, Pa.
 Ray-O-Vac Co., Madison, Wisc.
 Raytheon Mfg. Co., Equipment Sales Div., Waltham 54, Mass.
 Raytheon Mfg. Co., Power Tube Division, Waltham 54, Mass.
 Raytheon Mfg. Co., Receiving & Special Tube Div., 55 Chapel St., Newton 58, Mass.
 Rea Magnet Wire Co., E. Pontiac St., Fort Wayne, Ind.
 Ready Power Co., The, Power Plant Div., 11231 Freud Ave., Detroit 14, Mich.
 Recordisc Corp., 395 Broadway, New York, N. Y.
 Recotun Corp., 251 Fourth Ave., New York 10, N. Y.
 Rectifier Engineering Co., 1803 E. Seventh St., Los Angeles 21, Calif.
 Red Arrow Electric Corp., 100 Colt St., Irvington 11, N. J.
 Redmond Co., Inc., Owosso, Mich.
 Reeder & Co., Charles M., 171 Victor Ave., Detroit 3, Mich.
 Reeves-Hoffman Corp., 321 Cherry St., Carlisle, Pa.
 Reeves Instrument Corp., 215 East 91st Street, New York, N. Y.
 Reeves Soundcraft Corp., 10 E. 52nd St., New York 22, N. Y.
 REF Mfg. Corp., Jericho Turnpike, Mineola, N. Y.
 Regal Electronics Corp., 603 West 130th St., New York 27, N. Y.
 Reichhold Chemicals Inc., 601-707 Woodward Heights Blvd., Ferndale Sta., Detroit 20, Mich.
 Reilly Tar and Chemical Corp., Merchants Bank Bldg., Indianapolis, Ind.

- Reiner Electronics Co., 152 W. 25th St., New York, N. Y.
- Reister Mfg. Co., Hagerstown, Md.
- Rek-O-Kut Co., Inc., 38-01 Queens Blvd., Long Island City, N. Y.
- Reliable Spring and Wire Forms Co., Fulton Rd. and Paris Ave., Cleveland 9, Ohio
- Reliance Automatic Lighting Co., 1927 Mead St., Racine, Wisc.
- Reliance Instrument Co., 3027 W. Van Buren St., Chicago 12, Ill.
- Remington Radio Corp., 80 Main St., White Plains, N. Y.
- Remington Rand, Systems Div., Vericon Dept., South Norwalk, Conn.
- Remler Co., Ltd., 2101 Bryant St., San Francisco 10, Calif.
- Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio
- Research Electronics Lab., 2459 Susquehanna Rd., Roslyn, Pa.
- Resistance Products Co., 714 Race St., Harrisburg, Pa.
- Respro, Inc., Wellington Ave., Cranston, R. I.
- Revere Copper & Brass Inc., 230 Park Ave., New York 17, N. Y.
- Rex Rheostat Co., 3 Foxhurst Rd., Baldwin, N. Y.
- Reynolds Electric Co., 2650 W. Congress St., Chicago 12, Ill.
- Reynolds Metals Co., Technical Service Dept., 2500 So. Third St., Louisville 1, Ky.
- Rhode Island Insulated Wire Co., Inc., 50 Burnham Ave., Cranston, R. I.
- Rhodes Inc., M. H., 30 Bartholomew Ave., Hartford, Conn.
- Rice's Sons Inc., Bernard, 325 Fifth Ave., New York 16, N. Y.
- Richards Co., Inc., Arklay S., 78 Winchester St., Newton Highlands 61, Mass.
- Richardson Allen Corp., 15 W. 20th St., New York 11, N. Y.
- Richardson Company, The, Melrose Park, Illinois
- Riggs & Jeffreys, Inc., 140 Glenridge Ave., Montclair, N. J.
- Ripley Co., Inc., P. O. Box 31, Middletown, Conn.
- Rittenhouse Co., Inc., The, Honeoye Falls, N. Y.
- Riverside Metal Co., Riverside, N. J.
- Robbins & Myers, Inc., 1345 Lagonda Ave., Springfield 99, Ohio
- Robinette, Co., W. C., 802 Fair Oaks Ave., South Pasadena, Calif.
- Robinson Aviation, Inc., Teterboro, N. J.
- Robotron Corp., 5570 W. Chicago Blvd., Detroit 4, Mich.
- Rockbestos Products Corp., 308 Nicoll St., New Haven 4, Conn.
- Roebling's Sons Co., John A., 640 Broad St., Trenton 2, N. J.
- Rogan Bros., 2500 W. Irving Park, Chicago 18, Ill.
- Rogers Corp., Manchester, Conn.
- Rohm & Haas Co., Washington Square, Philadelphia 5, Pa.
- Rola Co., Inc., The, 2530 Superior Ave., Cleveland 14, Ohio
- Rollan Electrical Co., 8020 S. South Park, Chicago, Ill.
- Roller-Smith, Bethlehem, Pa.
- Rollin Co., 2070 N. Fair Oaks Ave., Pasadena 3, Calif.
- Rome Cable Corp., 330 Ridge St., Rome, N. Y.
- Rosen Engineering Products, Inc., Raymond, 32nd & Walnut Sts., Phila. 4, Pa.
- Ross Mfg. Co., 860 Washington St., Burlington, Iowa
- Rostan Corp., 202 East 44th St., New York 17, N. Y.
- Rotron Division, 7-9 Schoonmaker Lane, Woodstock, N. Y.
- Rowe Engineering Corp., 2422 N. Pulaski Rd., Chicago 39, Ill.
- Rowe Industries, 1702 Wayne St., Toledo 9, Ohio
- Royal Diamond Tool Co., 403 Statler Bldg., Boston 16, Mass.
- Ruberoid Co., The, 500 5th Ave., New York 18, N. Y.
- Rubicon Co., 3751 Ridge Ave., Phila. Pa.
- Ruby Chemical Co., 68 McDowell St., Columbus, Ohio
- Ruge-DE Forest, Inc., 76 Massachusetts Ave., Cambridge 39, Mass.
- Rupp's Assembling & Mfg. Works, 2341 N. Seminary Ave., Chicago 14, Ill.
- Russell, Burdsall & Ward Bolt and Nut Co., Midland Ave., Port Chester, N. Y.
- Russell Electric Co., 340 West Huron St., Chicago 10, Ill.
- Russell & Stoll Co., Inc., 125 Barclay St., New York 7, N. Y.
- Ryerson & Son, Inc., J. T., Box 8000-A, Chicago, Ill.
- "S" Corrugated Quenched Gap Co., Scientific Electric Div., 107 Monroe St., Garfield, N. J.
- S. N. C. Mfg. Co., Inc., Oshkosh, Wis.
- SOS Cinema Supply Co., 602 W. 52nd St., New York 19, N. Y.
- S-W Inductor Co., 1056 N. Wood St., Chicago, Ill.
- Sag Harbor Industries, Inc., The, Sag Harbor, N. Y.
- St. John X-Ray Laboratory, Califon, N. J.
- St. Louis Microphone Co., 2726-28 Brentwood Blvd., St. Louis 17, Mo.
- St. Louis Screw & Bolt Co., 6900 Broadway, St. Louis 15, Mo.
- St. Mary's Carbon Co., State Rd., St. Marys, Pa.
- Sanborn Co., 39 Osborn St., Cambridge 39, Mass.
- Sanders Bros. Mfg. Co., 409 W. Main St., Ottawa, Ill.
- Sandwich-Bowen Corp., 4712 Bethesda Ave., Bethesda, Md.
- Sangamo Electric Co., Springfield, Illinois
- Sarco Co., Inc., Empire State Bldg., New York 1, N. Y.
- Sargent-Raymont Co., The, 212 Ninth St., Oakland, Calif.
- Sauereisen Cements Co., Sauereisen Bldg., Pittsburgh 15, Pa.
- Saxl Instrument Co., Harvard, Mass.
- Schaefer Bros. Co., 1059 W. 11th St., Chicago, Ill.
- Schauer Machine Co., Cincinnati 2, Ohio
- Schenectady Varnish Co., Schenectady, N. Y.
- Scherr Co., Inc., George, 200 Lafayette St., New York 12, N. Y.
- Schott Co., Walter L., 9306 Santa Monica Blvd., Beverly Hills, Calif.
- Schottland, Frederic D., 104-18 Metropolitan Ave., Forest Hills, N. Y.
- Schulmerich Electronics, Inc., Sellersville, Pa.
- Schutter, Carl W., Rockville Centre, N. Y.
- Schuttig & Co., Inc., 9th & Kearney Sts., N. E., Washington 17, D. C.
- Schweitzer Inc., Peter J., 405 Lexington Ave., New York 17, N. Y.
- Sciaky Bros., 4915 W. 67th St., Chicago 38, Ill.
- Scientific Radio Products Co., 738 W. Broadway, Council Bluffs, Iowa
- Scientific Radio Service, 4301 Sheridan St., University Park, Md.
- Scintilla Magneto Div., Bendix Aviation Corp., Sidney, N. Y.
- Scott Inc., Herman Hosmer, 385 Putnam Ave., Cambridge, Mass.
- Scott Radio Labs., Inc., 4451 N. Ravenswood Ave., Chicago 40, Ill.
- Scovill Mfg. Co., Waterville Screw Prods. Div., Waterbury, Conn.
- Scully Machine Co., 62 Walter St., Bridgeport, Conn.
- Seager Carbon Co., 289 Church St., New York 13, N. Y.
- Sealor Corp., 45 Willard Ave., Providence 5, R. I.
- Secon Metals Corp., 228 E. 45th St., New York 17, N. Y.
- Searle Aero Industries, Inc., Orange, Calif.
- Seeburgh Corp., J. P., 1500 N. Dayton Ave., Chicago 22, Ill.
- Selectar Industries, Inc., 401 East 138th St., New York 54, N. Y.
- Self Winding Clock Co., 205 Willoughby Ave., Brooklyn 5, N. Y.
- Sensitive Research Instrument Corp., 9 Elm Ave., Mt. Vernon, N. Y.
- Sentinel Radio Corp., 2100 Dempster St., Evanston, Ill.
- Sentry Crystal Co., 206 S. W. Washington St., Portland 4, Oregon
- Serdex, Inc., 91 Cambridge St., Boston, Mass.
- Serv-All Mfg. Co., 334 N. Bell Ave., Chicago 12, Ill.
- Servo Corp. of America, 20-20 Jericho Turnpike, New Hyde Park, N. Y.
- Servo-Tek Products Co., 4 Godwin Ave., Paterson, N. J.
- Servomechanisms Inc., 142 Mineola Blvd., Mineola, N. Y.
- Setchell Carlson, 2233 University Ave., St. Paul, Minn.
- Sewell, Inc., Norman M., Susquehanna at Derstine, Lansdale, Pa.
- Shakeproof Inc., Div. of Ill. Tool Wks., 2501 N. Keeler Ave., Chicago 39, Ill.
- Shakespeare Products Co., 241 E. Kalamazoo Ave., Kalamazoo, Mich.
- Shallcross Mfg. Co., 10 Jackson Ave., Collingdale, Pa.
- Shannon Luminous Materials Co., 7346 Santa Monica Blvd., Hollywood 46, Calif.
- Shaw Insulator Co., 160 Colt St., I, N. J.
- Shawinigan Products Corp., 350 Fifth Ave., York 1, N. Y.
- Sheboygan X-Ray Co., 1135 Indiana, Shebo, Wis.
- Sheffco Mfg. Co., 116 W. Ruby Ave., Palisades Park, N. J.
- Sheffield Corp., The, Dayton 1, Ohio
- Sheffield Instrument Corp., 2021 N. Lincoln St., Burkank, Calif.
- Sherman Industrial Electronics Co., Inc., 503 Washington Ave., Belleville 9, N. J.
- Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich.
- Sherron Electronics Co., 1201 Flushing Ave., Brooklyn 6, N. Y.
- Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
- Shevers Inc., Harold, 33 W. 46th St., New York 19, N. Y.
- Short Wave Plastic Forming Co., 2921 W. Alameda St., Burbank, Calif.
- Shur-Antenna-Mount Inc., Sea Cliff, N. Y.
- Shure Brothers, 225 W. Huron St., Chicago, Ill.
- Shurite Meters, 61 Hamilton St., New Haven 8, Conn.
- Sickles Co., F. W., 165 Front St., Chicopee, Mass.
- Sierra Electronic Corp., Belmont & San Carlos, Calif.
- Sightmaster Corp., 220 Fifth Ave., New York, N. Y.
- Sigma Instruments, Inc., 80 Ceylon St., Boston 22, Mass.
- Signal Engineering & Mfg. Co., 154-6 W. 14th St., New York, N. Y.
- Sillocks-Miller Co., 10 Parker Ave., West, So. Orange, N. J.
- Simmonds Saw & Steel Co., Lockport, N. Y.
- Simmons Fastener Corp., North Broadway, Albany 1, N. Y.
- Simplex Wire & Cable Co., 79 Sidney St., Cambridge 39, Mass.
- Simpson Electric Co., 5218 W. Kinzie St., Chicago 44, Ill.
- Simpson Mfg. Co., Inc., Mark, 32-28 49th St., Long Island City 3, N. Y.
- Sipp-Eastwood Corp., Keen and Summer Sts., Paterson, N. J.
- Sisalkraft Co., 205 W. Wacker Drive, Chicago 6, Ill.
- Sittler Corporation, 18 N. Ada St., Chicago 7, Ill.
- Skaneateles Mfg. Co., Inc., 122 Dickerson St., Syracuse 2, N. Y.
- Skinner Electric Valve Div., The Skinner Chuck Co., 40 Belden Ave., Norwalk, Conn.
- Skoning Corp., 319-325 Taunton Ave., E. Providence 14, R. I.
- Skydyne Inc., River Rd., Port Jervis, N. Y.
- Skyline Tower Co., Chicago, Ill.
- Slepien Co., Arthur, Bridgeport, Conn.
- Small Motors, Inc., 2076 Elston Ave., Chicago 14, Ill.
- Smith, Inc., Herman H., 405 44th St., Brooklyn 20, N. Y.
- Smith Mfg. Co., Nathan R., 105 Pasadena Ave., So. Pasadena, Calif.
- Smith-Meeker Engineering Co., 125 Barclay Street, New York 7, N. Y.
- Smith Paper Inc., Lee, Mass.
- Smuckler & Co., Inc., A. F., 202 Tillary St., Brooklyn 1, N. Y.
- Snaider Television Corp., 540 Bushwick Ave., Brooklyn 6, N. Y.
- Sola Electric Co., 4633 W. 16th St., Chicago 50, Ill.
- Solar Corp., 1000 W. Bruce St., Milwaukee 4, Wis.
- Solar Mfg. Corp., 1445 Hudson Blvd., North Bergen, N. J.
- Soldering Specialties Co., Summit, N. J.
- Somerset Laboratories, Inc., 1701 Palisades Ave., Union City, N. J.
- Sonic Recording Products, Inc., 50 Mill Rd., Freeport, N. Y.
- Sonotone Corp., P. O. Box 200, Saw Mill River Road, Elmsford, N. Y.
- Sorensen & Co., Inc., 375 Fairfield Ave., Stamford, Conn.
- Sorgel Electric Co., 838 W. National Ave., Milwaukee 4, Wis.
- Sound Apparatus Co., Stirling, N. J.
- Soundscriber Corp., 146 Munson St., New Haven 4, Conn.
- South River Metal-Products Co., South River, N. J.
- Southington Hardware Mfg. Co., Southington, Conn.

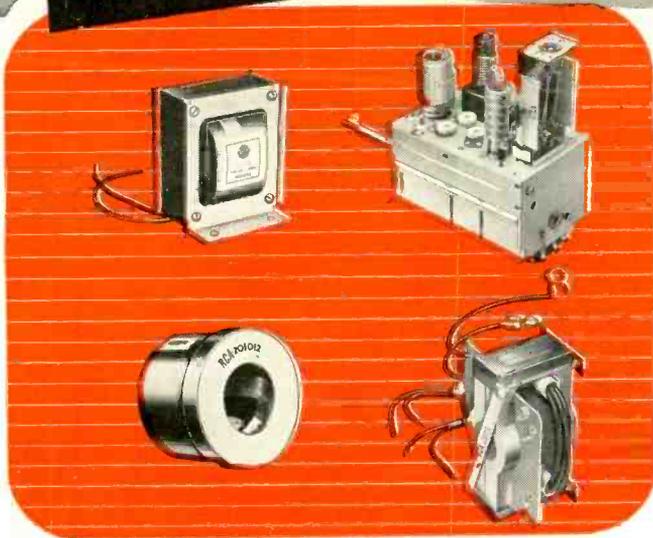
- Industrial Electronic Co., 2831 Rost
Houston 19, Texas
Fibre Co., Inc., 310 Wheeler St., Tona-
nawagon, N. Y.
K-O-Phone Recording & Equipment Co., 23 W.
60th St., New York, N. Y.
Special Chemicals Corp., 30 Irving Place, New
York 3, N. Y.
Special Products Co., Silver Spring, Md.
Specialty Battery Co., Madison 4, Wisconsin
Spectrum Mfg. Co., 540 N. 63rd St., Phila. 31,
Pa.
Speedway Mfg. Co., 1834 S. 52nd Ave., Cicero 50,
Ill.
Speer Carbon Co., Lincoln Ave., St. Marys, Pa.
Speer Resistor Corp., St. Marys, Pa.
Spelman Television Inc., 2898 Jerome Ave., New
York, N. Y.
Spencer-Kennedy Labs., Inc., 186 Massachusetts
Ave., Cambridge 39, Mass.
Spencer Thermostat Co., 34 Forest St., Attleboro,
Mass.
Sperman Metal Specialties, 27 Columbia Place,
Brooklyn 2, N. Y.
Sperry Gyroscope Co., Div. of The Sperry Corp.,
Great Neck, N. Y.
Sperry Products, Inc., Danbury, Conn.
Sperti, Inc., Norwood Station, Cincinnati 12, Ohio
Sprague Electric Co., North Adams, Mass.
Stackpole Carbon Co., St. Marys, Pa.
Stamford Metal Specialty Co., 429 W. Broadway,
New York 12, N. Y.
Standard Arcturus Corp., 54 Clark St., Newark 4,
N. J.
Standard Coil Products Co., 2329 N. Pulaski Rd.,
Chicago 39, Ill.
Standard Crystal Co., 321 East Gregory, Kansas
City 5, Mo.
Standard Electric Time Co., The, 89 Logan St.,
Springfield, Mass.
Standard Electrical Products Co., Dayton 3, Ohio
Standard Electronics Research Corp., 2 East End
Ave., New York 21, N. Y.
Standard Locknut & Lockwasher Inc., 118 W. St.
Clair St., Indianapolis 4, Ind.
Standard Piezo Co., 127 Cedar St., Carlisle, Pa.
Standard Pressed Steel Co., Jenkintown, Pa.
Standard Telephones & Cables Ltd., Connaught
House, Aldwych, London, W. C. 2, England
Standard Transformer Corp., Elston, Kedzie &
Addison Sts., Chicago 18, Ill.
Standard Varnish Works, 2600 Richmond Terr.,
Staten Island 3, N. Y.
Standard Winding Corp., 44-62 Johnes St., New-
burgh, N. Y.
Stanley Works, The, New Britain, Conn.
Stanwyck Winding Co., 102-104 S. Lander St.,
Newburgh, N. Y.
Star Electric Motor Co., 200 Bloomfield Ave.,
Bloomfield, N. J.
Star Expansion Products Co., 147-149 Cedar St.,
New York 6, N. Y.
Star Measurements Co., 442 East 166th St., New
York 56, N. Y.
Star Porcelain Co., 61 Muirhead Ave., Trenton 9,
N. J.
Stark Sound Engineering Co., 2131 Fairfield, Fort
Wayne 7, Ind.
Starrett Co., L. S., 165 Crescent St., Athol, Mass.
Starrett Television Mfg. Corp., 601 W. 26th St.,
New York, N. Y.
States Co., 19 New Park Ave., Hartford 6, Conn.
Statham Laboratories, Inc., 9328 Santa Monica
Blvd., Beverly Hills, Calif.
Staver Co., Inc., 91 Pearl St., Brooklyn 1, N. Y.
Sta-Warm Electric Co., Ravenna, Ohio
Steel Co., Herman D., Lafayette Bldg., Philadel-
phia 6, Pa.
Steger Furniture Mfg. Co., Steger, Ill.
Steiner-Ives Co., 16 Avenue L, Newark 5, N. J.
Stephens Mfg. Corp., 8538 Warner Drive, Culver
City, Calif.
Sterling Bolt Co., 209 W. Jackson Blvd., Chi-
cago 6, Ill.
Sterling Mfg. Co., 9205 Detroit Ave., Cleveland 2,
Ohio
Stevens-Arnold Inc., 22 Elkins St., S. Boston,
Mass.
Stevens Mfg. Co., Inc., Geo., 1850 W. Henderson
St., Chicago, Ill.
Stevens Paper Mills Inc., Windsor, Conn.
Stevens-Walden Inc., 468 Shrewsbury St., Worces-
ter, Mass.
Stevens Wire Insulating Co., 462 N. Parkside
Ave., Chicago 44, Ill.
Stevenson Bros. & Co., 110 Race St., Philadelphia
6, Pa.
Steward Mfg. Co., D. M., Chattanooga, Tenn.
Stewart Mfg. Corp., F. W., 4311 Ravenswood Ave.,
Chicago 13, Ill.
- Stewart-Warner Electric Div., Stewart-Warner
Corp., 1826 Diversey Parkway, Chicago 14,
Illinois
Sticht Co., Inc., Herman H., 27 Park Place, New
York 7, N. Y.
Stiles Co., H. A., 174 Portland St., Boston 14,
Mass.
Stimpson Co., Inc., Edwin B., 74 Franklin Ave.,
Brooklyn 5, N. Y.
Stoddard Aircraft Radio Co., 6644 Santa Monica
Blvd., Hollywood 38, Calif.
Stokes Machine Co., F. J., 5850 Tabor Road,
Olney Post Office, Philadelphia 20, Pa.
Stokes Molded Products, Inc., Taylor St. at Web-
ster Trenton, N. J.
Stow Manufacturing Co., 445 State St., Bingham-
ton, N. Y.
Stromberg-Carlson Co., Rochester, N. Y.
Stronghold Screw Products Inc., 216-222 West
Hubbard St., Chicago 10, Ill.
Struthers-Dunn, Inc., 150 N. 13th Street, Phila-
delphia 7, Pa.
Stupakoff Ceramic & Mfg. Co., Latrobe, Pa.
Submarine Signal Div., Raytheon Mfg. Co., Wal-
tham, Mass.
Summerill Tubing Co., Div., Columbia Steel &
Shafting Co., P. O. Box 1557, Pittsburgh 30,
Pa.
Sun Dial Corp., E. Passaic Ave., Caldwell Town-
ship, N. J.
Sun Electric Corp., 6323 Avondale Ave., Chi-
cago 31, Ill.
Sun Oil Co., 1608 Walnut St., Phila. 3, Pa.
Super Electric Products Corp., 1057 Summit Ave.,
Jersey City, N. J.
Superior Carbon Products Co., 9115 George Ave.,
Cleveland 5, Ohio
Superior Electric Co., The, 83 Laurel St., Bristol,
Conn.
Superior Flake Graphite Co., 33 S. Clark St., Chi-
cago 3, Ill.
Superior Flux Co., 1302 Ontario St., Cleveland
13, Ohio
Superior Instruments Co., 227 Fulton St., New
York 7, N. Y.
Superior Tube Co., 2504 Germantown Pike, Nor-
ristown, Pa.
Supreme, Inc., Greenwood, Miss.
Surprenant Mfg. Co., 199 Washington St., Boston
10, Mass.
Swiss Jewel Co., Lafayette Bldg., Philadelphia 6,
Pa.
Switchcraft, Inc., 1328-30 N. Halsted St., Chi-
cago 22, Ill.
Sylvania Electric Products, Inc., 500 5th Ave.,
New York 18, N. Y.
Symphony Radio & Television Corp., 721 N.
Martel Ave., Los Angeles 46, Calif.
Symphonic Radio & Electronic Corp., 292-8 Main
St., Cambridge 42, Mass.
Synchro Start Products, Inc., 1046 W. Fullerton
Ave., Chicago 14, Ill.
Synkor Products Co., Malden, Mass.
Synthane Corp., Oaks, Pa.
Synvar Corp., 415 E. Front St., Wilmington, Del.
Syracuse Ornamental Co., Inc., 581 S. Clinton St.,
Syracuse, N. Y.
Tablet & Ticket Co., 1021 W. Adams St., Chi-
cago 7, Ill.
Tagliabue Corp., C. J., 614 Frelinghuysen Ave.,
Newark 5, N. J.
Takk Corp., Newark, Ohio
Talk-A-Phone Co., 1512 S. Pulaski Rd., Chicago
23, Ill.
Tar Heel Mica Co., Plumtree, N. C.
Tayhern Equipment Co., 120 Greenwich St.,
New York 6, N. Y.
Taylor Fibre Co., Norristown, Pa.
Taylor Mfg. Co., 3056 W. Meinecke Ave., Milwau-
kee 10, Wisc.
Taylor Tubes, Inc., 2312 Wabansia Ave., Chicago
47, Ill.
Taylor-Wharton Iron & Steel Co., Highbridge,
N. J.
Tech Laboratories, Inc., Bergen & Edsall Bldvs.,
Palisades Park, N. J.
Tech-Master Products Co., 443-445 Broadway,
New York 13, N. Y.
Technical Appliance Corp., Sherburne, N. Y.
Technical Associates, 3730 San Fernando Rd.,
Glendale 4, Calif.
Technical Materiel Corp., The, 453 W. 47th St.,
New York 19, N. Y.
Technical Specialties Co., P. O. Box 1468, Wil-
mington, Del.
Technicraft Laboratories, Inc., Box 1908, Water-
bury, Conn.
Technitrol Engineering Co., 3212 Market St.,
Phila. Pa.
Technology Instrument Corp., 1058 Main St.,
Waltham, Mass.
- Tecno-Scientific Co., 901 Nepperhan Ave.,
Yonkers 3, N. Y.
Teiner Engineering Corp., 115 Madison St., Malden
48, Mass.
Tektronix, Inc., 712 S. E. Hawthorne Blvd., Port-
land 14, Ore.
TelAutograph Corp., 16 W. 61st St., New York
23, N. Y.
Tel-Craft Co., 108 Havemeyer St., Brooklyn 11,
N. Y.
Tele King Corp., 601 W. 26th St., New York 1,
N. Y.
Telechron Inc., Homer Ave., Ashland, Mass.
Telectron Co., The, 4019 Prospect St., Cleveland
3, Ohio
Telemark Electronics Corp., 325 Troy Ave.,
Brooklyn 13, N. Y.
Telemark, Inc., 79 Prospect St. Stamford, Conn.
Telephonics Corp., 350 W. 31st St., New York,
N. Y.
Telegrip Radio Co., 1901 S. Washtenaw, Chi-
cago, Ill.
Teleradio Engineering Corp., 99 Wall St., New
York 5, N. Y.
Tele-Tone Radio Co., 540 W. 58th St., New York
19, N. Y.
Tel-Instrument Co., Inc., 50 Paterson Ave., E.
Rutherford, N. J.
Tel-O-Tube Corp. of America, Paterson, N. J.
Tele-Video Corp., 241 Fairfield Ave., Upper
Darby, Pa.
Teletronics Laboratory, Inc., 352 Maple Ave.,
Westbury, L. I., N. Y.
Television Equipment Corp., 238 William St., New
York, N. Y.
Television Projects, Inc., 3660 Coral Way, Miami
35, Fla.
Teleso Products Inc., 7466 West Irving Park
Rd., Chicago 34, Ill.
Televista Corp. of America, 114 E. 16th St., New
York 3, N. Y.
Telex Inc., Telex Park, Minneapolis 1, Minn.
Telrex, Inc., Box 879, Rutherford & Neptune
Highway, Asbury Park, N. J.
TELEvision Labs., Inc., 542 N. Parkside Ave.,
Chicago 44, Ill.
Tempo Record Co. of America, Hollywood, Calif.
Tennessee Eastman Corp., Sub., Eastman Kodak
Co., Kingsport, Tenn.
Tenney Engineering Inc., 26 Avenue B., Newark
5, N. J.
Tensolite Corp., 17 E. 42nd St., New York 17,
N. Y.
Terminal Radio Corp., 85 Cortland St., New
York 7, N. Y.
Tetrad Corp., 60 N. Broadway, Yonkers 2, N. Y.
Thall Plastic Engineering Co., 155 Chambers
St., New York, N. Y.
Ther Electric & Machine Works, 17 South Jef-
ferson St., Chicago, Ill.
Thermador Electric Mfg. Co., 5119 District Blvd.,
Los Angeles 22, Calif.
Thermionic Engineering Corp., Pompton Plains,
N. J.
Thermo Laboratories, Inc., 355 W. 26th St.,
New York 1, N. Y.
Thomas & Betts Co., Inc., 36 Butler Street, Eliz-
abeth 1, N. J.
Thomas & Skinner Steel Products Co., 1122 E.
23rd St., Indianapolis, Ind.
Thomas Electronics, Inc., 118 9th St., Passaic,
N. J.
Thomas Products, Inc., 9 Bentley St., Salem,
Mass.
Thompson Corp., The, George S., South Pasa-
dena, Calif.
Thompson-Bremer & Co., 1640 W. Hubbard St.,
Chicago, Ill.
Thompson & Associates, John E., 7210 S. Yates
Ave., Chicago 49, Ill.
Thordarson Electric Mfg. Div., Maguire Indus-
tries, Inc., 500 W. Huron St., Chicago 10, Ill.
Thwing-Albert Instrument Co., 5351 Pulaski
Avenue, Philadelphia 44, Pa.
Tibbetts Industries, Inc., Camden, Maine
Times Facsimile Corp., 229 W. 43rd St., New
York, N. Y.
Tinnerman Products Inc., 2038 Fulton Rd.,
Cleveland 13, Ohio
Titan Metal Mfg. Co., Bellefonte, Pa.
Titanium Alloy Mfg. Co., 111 Broadway, New
York 6, N. Y.
Titellex, Inc., 500 Frelinghuysen Ave., Newark
5, N. J.
Todd-Tran Corp., 156 Gramatan Ave., Mt. Ver-
non, N. Y.
Toman & Co., E., 2621 W. 21st Place, Chicago
8, Ill.
Ton-Tex Corp., 247 Pearl St. N. W., Grand
Rapids 2, Mich.
Topflight Tape Co., Huber Bldg., York, Pa.

- Topping Mfg. Co., 3597 Mission St., San Francisco 10, Calif.
- Torit Mfg. Co., Walnut & Exchange Sts., St. Paul 2, Minn.
- Tork Clock Co., Inc., 1 Grove St., Mt. Vernon, N. Y.
- Tracerlab Inc., 55 Oliver St., Boston 10, Mass.
- Radio, Inc., 1001 First Ave., Asbury Park, N. J.
- Transcoil Corp., 114 Worth St., New York 13, N. Y.
- Transformer Engineers, 389 South Arroyo Parkway, Pasadena, Calif.
- Transmitter Equipment Co., Inc., 345 Hudson St., New York 14, N. Y.
- Trans-Sonics, Inc., Bedford Airport, Bedford, Mass.
- Transvision Inc., 460 North Ave., New Rochelle, N. Y.
- Trav-Ler Radio Corp., 571 W. Jackson Blvd., Chicago, Ill.
- Triad Portable Case Corp., 2545 Boston Rd., Bronx 67, N. Y.
- Triad Transformer Mfg. Co., 423 N. Western Ave., Los Angeles 4, Calif.
- Trico Fuse Mfg. Co., 2948 N. Fifth, Milwaukee 12, Wis.
- Tricon Mfg. Co., 8318 S. Racine Ave., Chicago, Ill.
- Tricraft Products Co., 1535 N. Ashland Ave., Chicago 22, Ill.
- Trimm Inc., 400 W. Lake St., Libertyville, Ill.
- Triplett & Barton Inc., 831 N. Lake St., Burbank, Calif.
- Triplett Electrical Instrument Co., 286 Harmon Road, Bluffton, Ohio
- Triumph Mfg. Co., 913 W. Van Buren St., Chicago 7, Ill.
- Trotter & Co., E. T., 594 Johnson Ave., Brooklyn 6, N. Y.
- Troy Electronic Laboratories, P. O. Box 581, Troy, N. Y.
- Trumbull Electric Mfg. Co., Plainville, Conn.
- Truscon Steel Co., Youngstown, Ohio
- Tubing Seal-Cap, Inc., 2810 E. 11th St., Los Angeles 23, Calif.
- Tubular Rivet & Stud Co., Wollaston 70, Mass.
- Tudor Products Co., 57 E. Alpine St., Newark 5, N. J.
- Tung-Sol Lamp Works Inc., 95 Eighth Ave., Newark 4, N. J.
- Turner Co., The, 909 17th St., N. E., Cedar Rapids, Iowa
- Tuttle & Kift, 1832 N. Monitor St., Chicago, Ill.
- Ucinite Co., The, Division United-Carr Fastener Corp., 459 Watertown St., Newtonville, Mass.
- Ulanet Co., George, 413 Market St., Newark 5, N. J.
- Ultra-Violet Products, Inc., 5205 Santa Monica Blvd., Los Angeles 27, Calif.
- Ungar Electric Tools Inc., 615 Ducommun St., Los Angeles 54, Calif.
- Uniform Tubes, Shurs Lane & Laruiston St., Roxborough, Phila., Pa.
- Unimax Switch Div. of W. L. Maxson Corp., 460 W. 34th St., New York 1, N. Y.
- United Carr Fastener Corp., Cambridge 42, Mass.
- United Condenser Corp., 337 E. 139th St., New York 54, N. Y.
- United Electric Controls Co., 85 School St., Watertown 72, Mass.
- United Electronics Co., 42 Spring St., Newark 2, N. J.
- United Industries, Inc., Everett, Mass.
- United Insulator Co., Ltd., Tolworth-Surbiton-Surrey, England
- United Radio Electronics Corp., 901 W. Jackson Blvd., Chicago, Ill.
- United Radio Mfg. Co., 191 Greenwich St., New York, N. Y.
- United Screw & Bolt Corp., 2513 W. Cullerton St., Chicago, Ill.
- U. S. Electrical Motors, Inc., 200 E. Slauson Ave., Los Angeles, Calif.
- U. S. Electronics Corp., 275 Warren St., Lyndhurst, N. J.
- U. S. Gauge Div., American Machine and Metals, Inc., Sellersville, Pa.
- U. S. Graphite Co., Div. of The Wickes Corp., 1621 Holland Ave., Saginaw, Mich.
- U. S. Instrument Corp., 409 Broad St., Summit, N. J.
- U. S. Plastics Corp., 2835-53 Irving Park Road, Chicago, Ill.
- U. S. Radium Corp., 535 Pearl St., New York 7, N. Y.
- U. S. Rubber Co., Mechanical Goods Div., 1230 Avenue of the Americas, New York 20, N. Y.
- U. S. Stoneware Co., The, Akron 9, Ohio
- U. S. Television Mfg. Corp., 3 W. 61st St., New York 23, N. Y.
- United Transformer Co., 150 Varick Street, New York 13, N. Y.
- United Wood Specialty Mfg. Co., Inc., 951 Broadway, Fall River, Mass.
- Universal Broadcast Equipment Corp., 6035 Northwest Highway, Chicago 31, Ill.
- Universal Drafting Machine Co., 3110 Payne Ave., Cleveland 14, Ohio
- Universal Electric Co., 300 E. Main St., Owosso, Mich.
- Universal Motor Co., 186 Harrison St., Oshkosh, Wisc.
- Universal Winding Co., 1655 Elmwood Ave., Cranston 3, R. I.
- University Loudspeakers, Inc., 80 S. Kensico Ave., White Plains, N. Y.
- Urison Brothers, 2077 Coney Island Ave., Brooklyn 23, N. Y.
- V-M Corp., Benton Harbor, Mich.
- Vaco Products Co., 317 E. Ontario St., Chicago 11, Illinois
- Vacolite Co., 3001-3003 N. Henderson, Dallas, Texas
- Vacuum Electronic Engineering Co., 316 37th St., Brooklyn 2, N. Y.
- Vacuum Tube Products, 203 North Clementine St., Oceanside, Calif.
- Valco Mfg. Co., 4700 W. Walton St., Chicago 51, Ill.
- Valite Corp., Whitney Bldg., New Orleans 12, La.
- Vallorbs Jewel Co., Lancaster, Pa.
- Valpey Crystals, Highland St., Holliston, Mass.
- Vangtronic Corp., The, 237 John St., Bridgeport 3, Conn.
- Varflex Corp., N. Jay St., Rome, N. Y.
- Variable Condenser Corp., 65 Hope St., Brooklyn, N. Y.
- Varian Associates, 99 Washington St., San Carlos, Calif.
- Varo Mfg. Co., Inc., Box 638, Garland, Texas
- Vasco Electrical Mfg. Co., 4116 Avalon Blvd., Los Angeles, Calif.
- Vendo Co., 7400 E. 12th St., Kansas City 8, Mo.
- Vertrod Corp., 11 Park Place, New York 7, N. Y.
- Vibrapower Co., James, 3224 Armitage Ave., Chicago, Ill.
- Vibroxplex Co., Inc., 833 Broadway, New York, N. Y.
- Vibroscope Co., 6 East 39th St., New York 16, N. Y.
- Vickers Electric Div., Vickers Inc., 1815 Locust St., St. Louis 3, Mo.
- Victor Electric Products Inc., 2950 Robertson Ave., Cincinnati 9, Ohio
- Victoreen Instrument Co., 5806 Hough Ave., Cleveland 3, Ohio
- Vidcraft Television Corp., 780 E. 137th St., Bronx, N. Y.
- Videodyne, Inc., 33 Jefferson St., Stamford, Conn.
- Viewlex Inc., 35-01 Queens Blvd., Long Island City 1, N. Y.
- Viking Products Sales Co., 2373 East Eight Mile Rd., Hazel Park, Mich.
- Vitamite Company, The, 227 W. 64th St., New York 23, N. Y.
- Vitroscop Corp., 918 Oak St., Wyoming, Cincinnati 15, Ohio
- Vokar Corp., 7300 Huron River Dr., Dexter, Mich.
- Volkert Metal Stampings, Inc., John, 141 Spencer St., Brooklyn 5, N. Y.
- Vulcan Electric Co., 88 Holten St., Danvers, Mass.
- Waage Electric Inc., 54 Park Place, New York 7, N. Y.
- Wagner Electric Corp., 6400 Plymouth Avenue, St. Louis, Missouri
- Wagner Recorder Mfg. Corp., 292 Madison Ave., New York 17, N. Y.
- Walco Sales Co., 60 Franklin St., East Orange, N. J.
- Waldes Kohinoor Inc., Long Island City 1, N. Y.
- Walker Co., George, 118 Amsterdam Ave., Passaic, N. J.
- Walker-Turner Co., Inc., 639 South Ave., Plainfield, N. J.
- Wallace Mfg. Co., Inc., Wm. T. Chili & Madison Aves., Peru, Ind.
- Wallace & Tiernan Products, Inc., Belleville 9, N. J.
- Walser Automatic Timer Co., Graybar Bldg., New York, N. Y.
- Walter Co., S., 1400 Atlantic Ave., Brooklyn 16, N. Y.
- Waltham Screw Co., 77 Rumford Ave., Waltham, Mass.
- Wappler, Inc., 27 W. 24th St., New York 10, N. Y.
- Ward Leonard Electric Co., 31 South St., Mt. Vernon, N. Y.
- Ward Products Corp., Div. of the 1523 E. 45th St., Cleveland 3, Ol.
- Warrick Co., Chas. F., 16251 Hamilton Detroit 3, Mich.
- Warrick, Frederick P., 8666 Grandville, 10, Mich.
- Waterbury Companies, Inc., Waterbury 90, Conn.
- Waterman Products Co., Inc., 2445-63 Emerald St., Philadelphia 25, Pa.
- Waterproof Electric Co., 72 E. Verdugo Ave., Burbank, Calif.
- Waters Conley Co., 501 First St., NW, Rochester, Minn.
- Watertown Mfg. Co., Watertown, Conn.
- Watterson Radio Mfg. Co., P. O. Box 840, Dallas, Tex.
- Waveguide Mfg. & Equipment Co., Inc., 190-A Duane St., New York, N. Y.
- Weaver Specialty Co., 6344 Aurelia St., Pittsburgh, Pa.
- Weber Co., F., 1220 Buttonwood St., Philadelphia 23, Pa.
- Webster-Chicago Corp., 5622 Bloomingdale Ave., Chicago 39, Ill.
- Webster Electric Co., 1900 Clark St., Racine, Wisc.
- Webster Engineering Co., 105 Tenth St., N. E., Cedar Rapids, Iowa
- Webster Spring Corp., 97 S. 5th St., Brooklyn 11, N. Y.
- Weil & Co., J. H. 1315 Cherry Street, Philadelphia 7, Pa.
- Weinschel Engineering Co., 123 William St., New York 7, N. Y.
- Weiss, Jerry L., 21 Plandome Rd., Manhasset, L. I., N. Y.
- Weksler Thermometer Corp., 52 W. Houston St., New York, N. Y.
- Welch Scientific Co., W. M., 1515 Sedgwick St., Chicago 10, Ill.
- Weller Mfg. Co., 806 Packer St., Easton, Pa.
- Wells-Gardner & Co., 2701 N. Kildare Ave., Chicago, Ill.
- Weltronic Co., 19500 West 8 Mile Rd., Detroit 19, Mich.
- Welwyn Electronic Components, Inc., 234 E. 46th St., New York 17, N. Y.
- West Coast Electronics Co., 1601 S. Burlington Ave., Los Angeles 6, Calif.
- West Virginia Pulp & Paper Co., Pulp Products Dept., 230 Park Ave., New York 17, N. Y.
- Western Brass Mills, Div. of Olin Industries, E. Alton, Ill.
- Western Cable Battery Co., Inc., 395 Sibley St., St. Paul, Minn.
- Western Electric Co., Inc., 195 Broadway, New York 7, N. Y.
- Western Electro-Acoustic Labs., 621 S. Spring St., Los Angeles 14, Calif.
- Western Felt Works, 4029 Ogden Ave., Chicago, Ill.
- Western Insulated Wire Co., 1001 E. 62nd St., Los Angeles 1, Calif.
- Western Lithograph Co., E-Z Code Division, 600 East Second St., Los Angeles 54, Calif.
- Western Sound & Electric Labs., Inc., 805 S. Fifth St., Milwaukee 4, Wisc.
- Western Union Telegraph Co., 60 Hudson St., New York 13, N. Y.
- Westfield Metal Products Co., Inc., Westfield, Mass.
- Westinghouse Electric Corp., P. O. 868, Pittsburgh 30, Pa.
- Westline Electronics Co., 11660 Olympic Blvd., Los Angeles 25, Calif.
- Weston Electrical Instrument Corp., 618 Frelinghuysen Ave., Newark 5, N. J.
- Weston Laboratories, Weston 93, Mass.
- Weymouth Instrument Co., 1440 Commercial St., East Weymouth 89, Mass.
- Wheaton Co., T. C., Industrial Div., 220 G St., Millville, N. J.
- Wheelco Instruments Company, 847 W. Harrison Street, Chicago 7, Ill.
- Wheeler Insulated Wire Co. Inc., Waterbury 91, Conn.
- Wheeler Laboratories, Inc., 259-09 Northern Blvd., Great Neck, N. Y.
- Whe-Gro Co., 315-17-19 N. Cardinal Ave., St. Louis 3, Mo.
- Whistler & Sons, Inc., S. B., 752 Military Rd., Buffalo 17, N. Y.
- Whitaker Cable Corp., Kansas City 16, Mo.
- White Dental Mfg. Co., S. S., Industrial Div., 10 E. 40th St., New York, N. Y.
- White-Rodgers Electric Co., 1209 Cass Ave., St. Louis 6, Mo.
- Whitehead Stamping Co., 1691 W. Lafayette Blvd., Detroit 16, Mich.
- Whiteman, R. A., 630 N. Wisner Ave., Park Ridge, Ill.

ke Co., New Haven, Conn.
 Spencer Steel, Div., The, Colorado
 and Iron Corp., 500 5th Ave., New York
 N. Y.
 emann Machine Co., 4272 Wisshickon Ave.,
 Philadelphia 32, Pa.
 Wilbur & Williams Co., 43 Leon St., Boston 15,
 Mass.
 Wilcox Electric Co., 1400 Chestnut St., Kansas
 City, Mo.
 Wilcox-Gay Corp., Charlotte, Mich.
 Wildberg Bros. Smelting & Refining Co., 742
 Market St., San Francisco 2, Calif.
 Wilder Mfg. Co., 3569 Fullerton Ave., Chi-
 cago 47, Ill.
 Wilkor Products Inc., 3835 W. 150th St., Cleve-
 land 11, Ohio
 Willard Storage Battery Co., 246 E. 131st St.,
 Cleveland 1, Ohio
 Williams & Co., C. K., 2001 Lynch Ave., East
 St. Louis, Ill.
 Willard's, Hampden, Mass.
 Willson Plastics Div., Willson Magazine Camera
 Co., 6022 Media St., Philadelphia, Pa.
 Wilmington Fibre Specialty Co., P. O. Drawer
 1028, Wilmington 99, Del.
 Wilnotte Inc., Raymond M., 1469 Church St.,
 N. W., Washington 5, D. C.
 Wilson & Co., G. C., 2 N. Passaic Ave., Cha-
 tham, N. J.
 Wilson Co., H. A., The, 105 Chestnut St., New-
 ark 5, N. J.
 Wincharger Corp., E. 7th & Division Sts., Sioux
 City, Iowa
 Winchester Electronics Co., 6 East 46th St.,
 New York 17, N. Y.
 Winchester Repeating Arms Co., Div. of Olin
 Industries, Inc., New Haven, Conn.
 Wind Turbine Co., Tower & Antenna Div., E.
 Market St. & Penna. R. R., West Chester, Pa.
 Winslow Co., Inc., The, 9 Liberty St., Newark
 5, N. J.
 Wirt Co., 5221 Greene St., Philadelphia, Pa.
 Wisconsin Porcelain Co., Sun Prairies, Wis.
 Wood Electric Co., Inc., C. D., 70-17 83rd St.,
 Glendale, N. Y.
 Woodcraft Corp., 501 Salzburg Ave., Bay City,
 Mich.
 Woodwelding, Inc., 3000 W. Olive Ave., Burbank,
 Calif.
 Worcester Pressed Aluminum Corp., 13-15 Hope
 Ave., Worcester 3, Mass.
 Worcester Pressed Steel Co., 100 Barber Ave.,
 Worcester, Mass.
 Workshop Associates Inc., The, 66 Needham St.,
 Newton Highlands 61, Mass.
 Worner Electronic Devices, Rankin, Ill.
 Wright & Sons Co., William E., West Warren,
 Mass.
 Wrought Washer Mfg. Co., 2264 S. Bay St., Mil-
 waukee 7, Wis.
 Wurlitzer Co., Rudolph, The, North Tonawanda,
 N. Y.
 Xervac Instrument Co., 101 Vine St., Hartford
 5, Conn.
 Yates Engineering Services, Box 67, Cranford,
 N. J.
 York Materials Co., Inc., P. O. Box 510, Jamaica,
 N. Y.
 Zenith Electric Co., 152 W. Walton St., Chicago
 10, Ill.
 Zenith Optical Co., Div. of Polan Industries,
 Huntington 19, West Virginia
 Zenith Radio Corp., 6001 Dickens Ave., Chicago
 39, Ill.
 Zephyr Products Co., 160 E. 116th St., New
 York 29, N. Y.
 Zernickow Co., O., 15 Park Row, New York 7,
 N. Y.
 Zetka Television Tubes Inc., 131-37 Getty Ave.,
 Clifton, N. J.
 Zierick Mfg. Corp., Beechwood & Rockdale Aves.,
 New Rochelle, N. Y.
 Zophar Mills Inc., 112-130 26th St., Brooklyn
 32, N. Y.

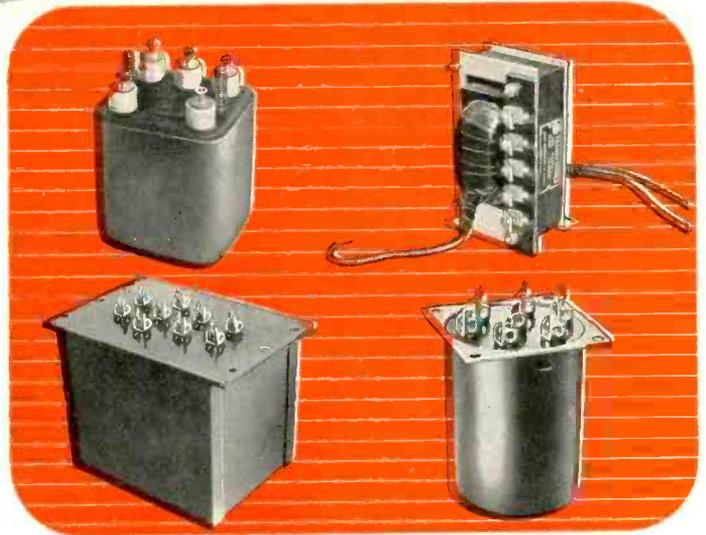
RCA's Quality Line of Electronic Components for Equipment Manufacturers

- ✓ Standard components for AM, FM, and TV
- ✓ Held to rigid specifications
- ✓ Competitively priced
- ✓ For immediate delivery
- ✓ Components built to your own specifications



RCA TV COMPONENTS

RCA's line of major television components are "originals" designed for efficient tube and circuit performance. They are built to exacting electrical and mechanical specifications.



RCA TRANSFORMERS AND CHOKES

RCA has developed and manufactured a wide variety of transformers to meet the specifications of Government, Broadcasting, Sound, and Industry Engineers. Whether you need small audio or power transformers, RCA has the facilities to meet your needs.

THE RCA EQUIPMENT manufacturers' line of high-quality electronic components for AM, FM, TV and special applications are available in standard types . . . or special types designed to your specifications.

As a result of increased manufacturing facilities, these components are now available in quantity for immediate delivery . . . at competitive prices.

RCA's long experience in the design and manufacture of radio, television, and electronic equipment is your assurance of *better* components now and in the future.

RCA Application Engineers . . . with their unique experience in circuit and tube design . . . are ready to co-operate with you in the adaptation of RCA electronic components to your equipment. For further information, write RCA, Commercial Engineering, Section 43FS, Harrison, N. J. . . . or consult the directory on the back cover for the nearest RCA regional office.



RCA SPEAKERS

RCA speakers are engineered to RMA Standards. A variety of standard PM types ranging from the miniature 2" x 3" to the high-quality 12" are available having power-handling capacities from 1/8 watt to 12 watts. There's a size and type for every requirement.

TURN THE PAGE



RADIO CORPORATION of AMERICA
ELECTRONIC COMPONENTS

HARRISON, N. J.

12 Reasons Why It Pays

equipment manufacturers to deal with RCA

- 1. RCA Application Engineering Service**—Twelve field engineering specialists devote their time *exclusively* to the design problems of equipment manufacturers. They're ready to pitch in and help you at any time.
- 2. RCA Application Engineering Laboratories**—RCA maintains application laboratories at Harrison, Lancaster and Chicago. The services of these laboratories are at the disposal of all RCA tube and component customers.
- 3. RCA Circuit Investigations**—RCA carries on independent research in circuit design for the exclusive benefit of its tube and components' customers. Engineering reports are provided as a free service.
- 4. RCA Tube and Component Development**—RCA works years ahead in tube and component design—anticipates future requirements. That's why you get the types of tubes and components you want *when* you want them.
- 5. RCA Engineering Literature**—RCA technical bulletins and data, covering the specifications and operating conditions of RCA tubes and components, are the most authoritative and comprehensive in the field.
- 6. RCA Manufacturing Facilities**—RCA tubes and components are manufactured in ultramodern plants equipped largely with RCA-designed, high-speed precision machinery—your assurance of uniform, dependable quality tubes and components of whatever type, in any quantity.
- 7. RCA Quality Control**—Quality controls begin with the raw material and are followed through in every successive step of manufacture and assembly. That's why RCA tubes and components are consistently reliable.
- 8. RCA Sales and Customers' Service**—A staff of seasoned sales representatives are within convenient reach. They're available *when* you want them. In addition, a staff at the Home Office devotes its time *exclusively* to expediting your orders.
- 9. RCA District Offices**—RCA maintains three conveniently located district offices in Harrison, Chicago, and Los Angeles to serve equipment manufacturers. You can get prompt service from the office nearest you.
- 10. RCA Distribution**—RCA maintains bulk tube and component stocks in three warehouses strategically located in Jersey City, Chicago, and Los Angeles for quick service.
- 11. RCA Pricing**—Mass-production techniques and the RCA "Preferred Type Plan" have consistently operated to reduce manufacturing costs—which mean lower prices to you.
- 12. RCA Engineering Leadership**—The vast resources of experience and ability that account for RCA's engineering leadership in tubes and components, are of direct benefit to RCA customers . . . a final reason why it pays to deal with RCA.

EQUIPMENT SALES Sales and Product Directory

1. General sales information on receiving and television picture tubes, communications and industrial tubes, power tube fittings, electronic components, and test and measuring equipment:

Equipment Sales Field Representatives at the RCA Sales Office nearest you:

City and State	Street Address	Telephone No.
Harrison, N. J.	415 S. 5th St.	Harrison 6-8000
Chicago 11, Ill.	589 E. Illinois St.	Whitehall 4-2900
Los Angeles 13, Calif.	420 S. San Pedro St.	Madison 9-3671

2. Inquiries relative to technical bulletins: Commercial Engineering, RCA, 415 South 5th Street, Harrison, New Jersey.

3. Inquiries relative to application engineering assistance: Equipment Sales Application Engineering Field Representatives at the RCA Sales Office nearest you:

City and State	Street Address	Telephone No.
Harrison, N. J.	415 S. 5th St.	Harrison 6-8000
Chicago 11, Ill.	589 E. Illinois St.	Whitehall 4-2900
Los Angeles 13, Calif.	420 S. San Pedro St.	Madison 9-3671

4. Orders and inquiries on orders: Tubes: RCA warehouse serving your territory:

Jersey City Warehouse, RCA 34 Exchange Place Jersey City 2, N. J. Phone: Bergen 4-2100	Chicago Warehouse, RCA 589 E. Illinois St. Chicago 11, Ill. Phone: Whitehall 4-2900
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Los Angeles Warehouse, RCA, 420 S. San Pedro St.
Los Angeles 13, Calif. Phone: Madison 9-3671



RADIO CORPORATION of AMERICA

ELECTRON TUBES AND COMPONENTS

HARRISON, N. J.