

THE SYMBOL OF THE FINEST

Sound Equipment



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CATALOG NO. 212

COMMERCIAL SOUND SECTION

RCA MANUFACTURING CO., INC.

CAMDEN

NEW JERSEY

A Service of the Radio Corporation of America



FOREWORD

RCA presents this catalog as descriptive of an advanced line of Sound Systems, each coordinated from microphone to loudspeaker, to meet the modern demands of industry, education and entertainment.

RCA Commercial Sound apparatus is made to perform a real service. It is of proved standardized design, allowing the utmost flexibility in meeting varying installation conditions.

RCA's vast research, engineering and manufacturing experience in all phases of radio and sound, together with smart styling, assures the user of long life equipment and pride of ownership. This fact is evidenced by thousands of satisfied users.

Through District Offices and authorized Distributors in every principal city, trained men are available for advisory consultation and installation supervision. The trade and public are invited to make full use of these facilities in meeting ordinary or unusual sound requirements.

"Trademarks 'RCA Victor,' 'Victor,' 'Red Seal,' 'Tungs-tone,' 'Victrola,' 'Antenaplex'—Reg. U. S. Pat. Off. by RCA Mfg. Co., Inc."

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TOMORROW'S SOUND TODAY BY RCA

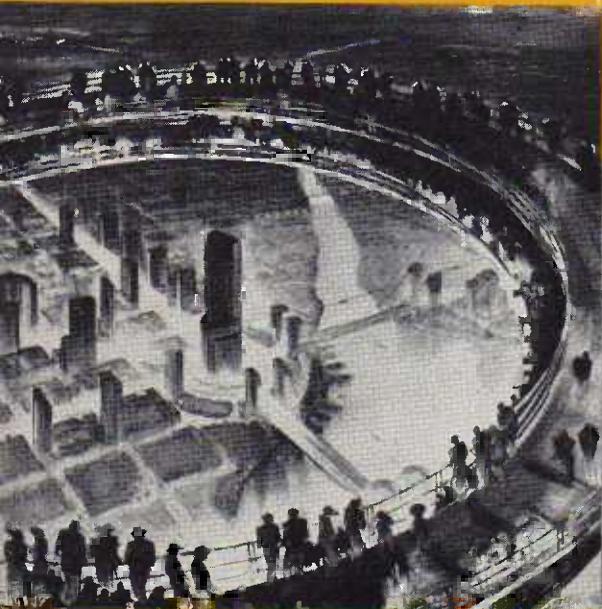


© N. Y. W. F.



HALL OF COMMUNICATIONS—RCA Public-Address and Broadcast Control Units of the most modern design and manufacture will provide the "nerve center" for the tremendous network of RCA Sound and Broadcast Equipment throughout the Fair.

THEME EXHIBIT—This is "Democracy," the City of Tomorrow, located inside the 200-foot Perisphere. RCA Sound will reproduce recorded background music and dialogue, so that all visitors may hear to equal advantage—symbolizing the Spirit of Democracy.



RCA Sound provides entertainment, music and important announcements to the "ears of the world" at the New York World's Fair.

The Perisphere, which in conjunction with the 700-foot Trylon has become the symbol of the New York World's Fair, has been utilized by RCA sound engineers to form the horn of the largest loudspeaker ever constructed—a sound reproducer so vast that thousands of persons will be able, at one time at its periphery.

The huge speaker, which will be used to provide music at the Theme Center, is but one of the many powerful sound distributing and reproducing systems supplied by RCA for the Fair grounds. In several instances new types of loudspeakers of unusual power and fidelity were developed for the purpose.

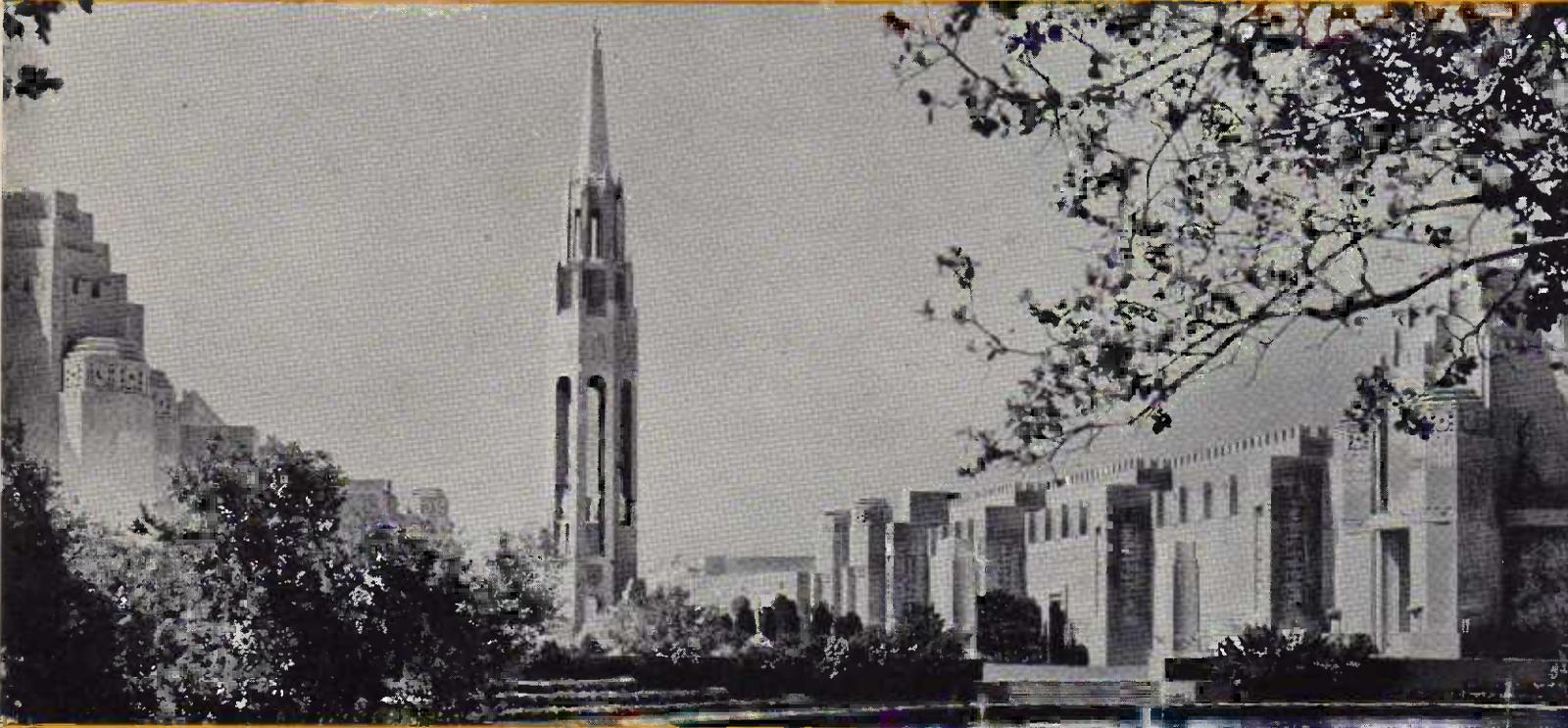


UNITED STATES FEDERAL BUILDING—Dominating the Court of Peace and the Hall of Nations, will have RCA High-Fidelity Sound Motion Picture Equipment and Sound Equipment for background music and announcements.

RCA BUILDING—Where RCA will display and demonstrate all of its products and services, from the radio tube to Television.



THE GOLDEN WEST SELECTS THE BEST RCA SOUND COVERS THE GOLDEN GATE EXPOSITION

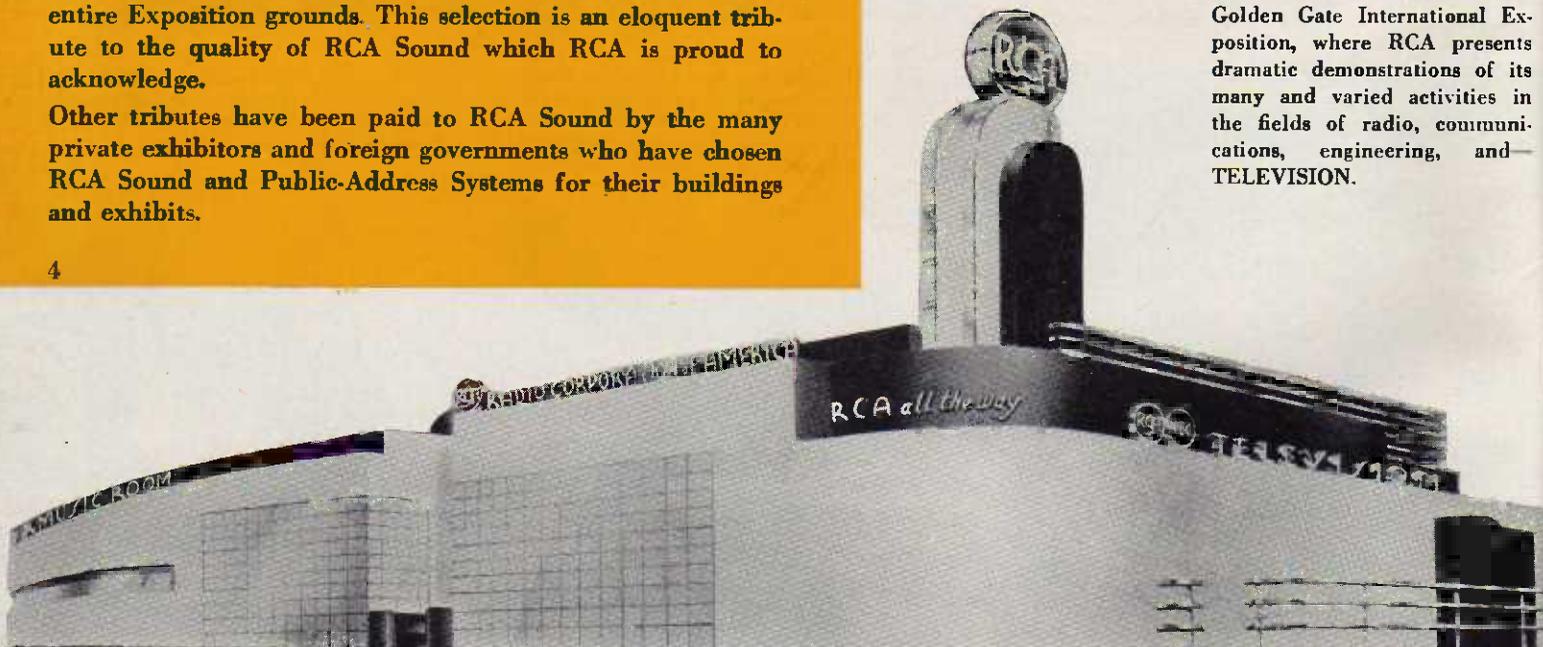


The San Francisco Golden Gate International Exposition has set and maintained the highest standards for its grand pageant on San Francisco Bay, as brilliantly exemplified by its selection of RCA Equipment for "sound coverage" of the entire Exposition grounds. This selection is an eloquent tribute to the quality of RCA Sound which RCA is proud to acknowledge.

Other tributes have been paid to RCA Sound by the many private exhibitors and foreign governments who have chosen RCA Sound and Public-Address Systems for their buildings and exhibits.

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The RCA "Building Within a Building" in the Electrical and Communications Exhibit at the Golden Gate International Exposition, where RCA presents dramatic demonstrations of its many and varied activities in the fields of radio, communications, engineering, and—TELEVISION.



IN THE WORLD'S LARGEST THEATRE



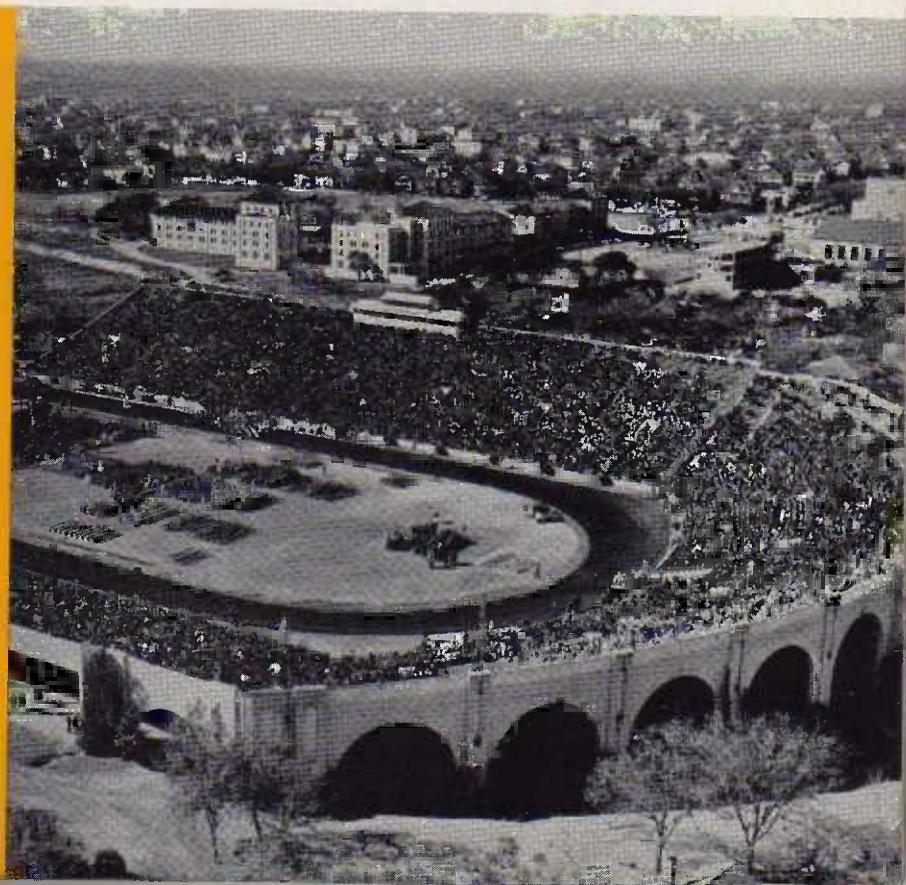
The RCA Sound installation in the vast auditorium of the Music Hall, Radio City, New York—"The Nation's Showplace"—is an example of RCA's facilities and ability to solve the unusual and exceptional problems of great sound coverage indoors combined with perfect illusion. Accurate speaker placement assures uniform volume and distribution of sound over the entire area from the rear of the third mezzanine to the orchestra pit, nearly a city block apart.

ONE OF THE LARGEST STADIUMS

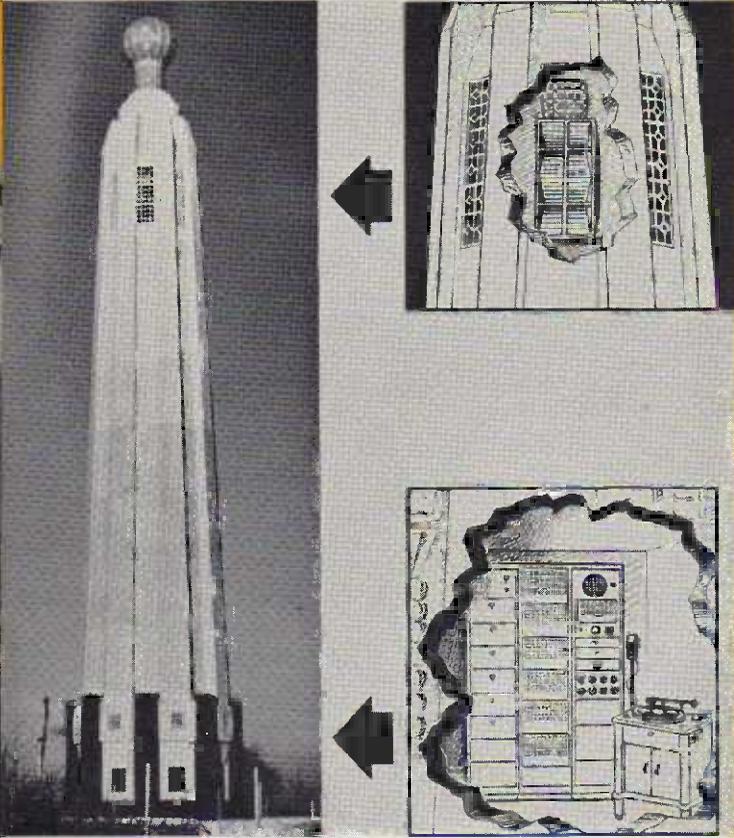
80,000 persons witnessed the colorful gubernatorial inauguration in the huge stadium of the University of Texas, at Austin.

RCA provided modern sound equipment to cover this huge assemblage efficiently and completely.

RCA Commercial Sound equipment meets every requirement for outdoor sound coverage of any size. Every patron enjoys ringside intimacy.



EDISON MEMORIAL TOWER



RCA Sound equipment in the Edison Memorial at Menlo Park, N. J., is especially significant, in view of the sponsor's insistence on the finest reproduction obtainable, to perpetuate the memory of Edison and his early work on the phonograph.

Faithful musical reproduction at high power features this installation.

FINEST SOUND FOR THE FINEST MUSIC

Under conditions requiring continuous high fidelity performance, perhaps nowhere is RCA Sound equipment subjected to more critical analysis than in this beautiful setting of the world-famous Philadelphia Orchestra—Fairmount Park, Philadelphia, Pa.

Each summer, thousands of music lovers hear this magnificent orchestra under the world's leading conductors, with a volume and fidelity of reproduction truly worthy of its origin. RCA has been proud to provide these sound amplification facilities.



IN THE FINEST SCHOOLS



From the microphone in front of him, Principal Seitz, of the Westminster High School, Maryland, communicates with any classroom through his RCA school sound system. Radio, recorded or voice programs may be transmitted to any or all rooms.

Westminster, Maryland, High School is one of many schools throughout the country in which RCA Radio and Sound Equipment is employed as a modern aid to teaching. Students find new interest in their studies through broadcasts of educational programs, news commentators, music

appreciation, travelogues and general foreign broadcasts. RCA has been privileged to equip hundreds of schools with radio, sound and motion picture equipment, meeting the most exacting requirements of the finest schools regardless of size.

ENRICHES THE SCHOOL CURRICULUM

Records

For the music appreciation class; graded instruction in languages; dancing and drill music for physical education classes; and sound effects for use in dramatics classes and amateur theatrical presentations.

Radio

The educational programs broadcast every day on a multitude of subjects are a valuable supplement to the daily classroom work, and literature is available to help the teacher co-ordinate these programs with the teaching schedule.

Microphone

Enables the principal to make announcements, call pupils or teachers, direct fire drills, and accomplish other routine tasks with great savings of time and effort.



... AND FOR EVERY CONCEIVABLE PURPOSE



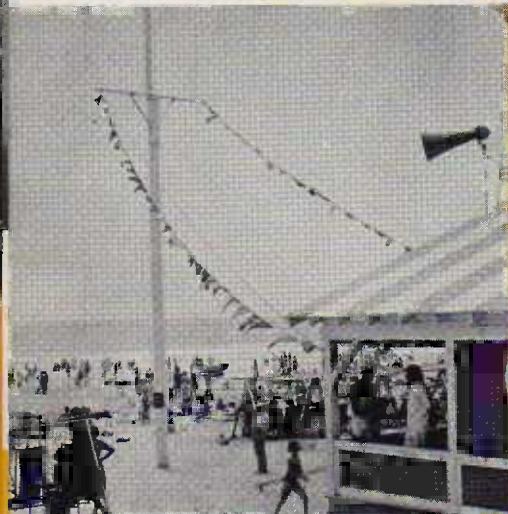
Chimes and organ music faithfully broadcast from church steeples over large areas.



RCA Master Controlled Sound Systems are performing invaluable services in numerous hotels.

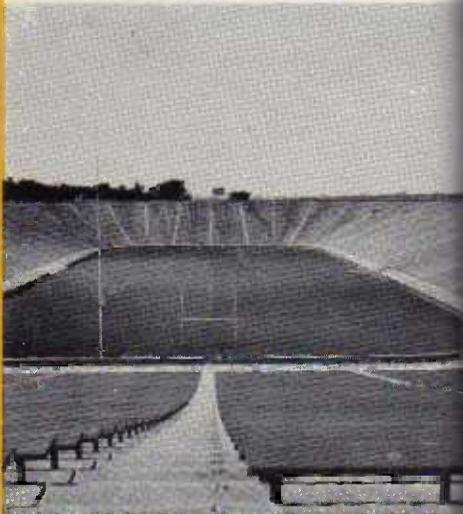


Chicago firemen direct fire-fighting operations with RCA Sound equipment.



RCA Sound in a new role—protecting life at the beach.

RCA is equally proud of the less spectacular but equally important installations and the related service it has been privileged to render. Hundreds of such RCA installations in schools, hotels, churches, amusement and entertainment enterprises, institutions, industrial plants and similar or unusual locations, all testify to the downright quality and dependability in the basic design and manufacture of RCA Sound equipment.



RCA Sound is used in scores of stadiums and athletic fields.



RCA Sound at the 75th Anniversary of the Battle of Gettysburg heard by 100,000 in attendance.



RCA Sound equipment on S.S. Princess Anne and many other vessels is unaffected by salt air.



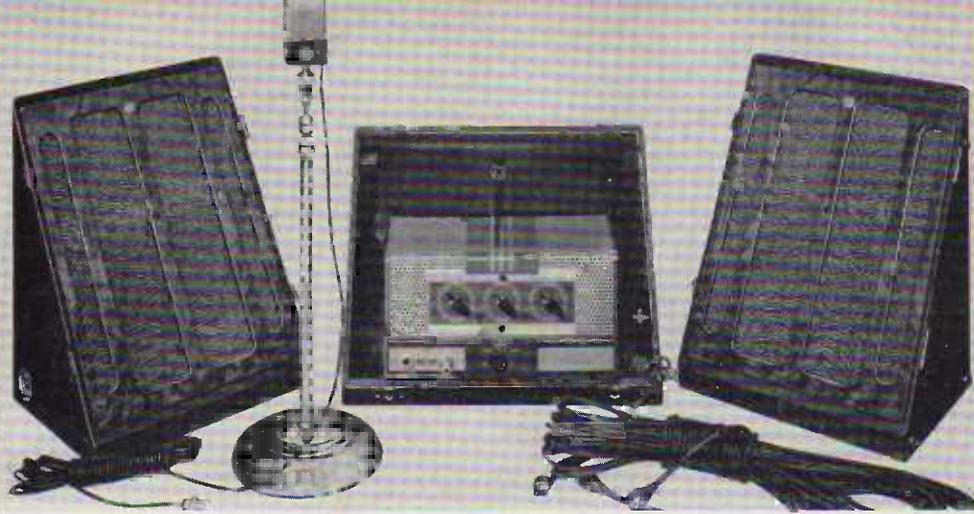
PORTABLE SOUND EQUIPMENTS

Good sound has contributed outstandingly to the success of countless enterprises—in theatres, schools, colleges, churches, restaurants, night clubs and wherever the successful or profitable operation of similar projects is anticipated.

Lecturers, teachers, radio stars, entertainers, fraternal, musical and political organizations and many others have availed them-

selves of this modern solution to the problem of sound distribution, because RCA portable sound units are simple to operate, rugged and completely self-contained.

They are qualified for installation where larger, relatively costly equipments are inadvisable. Their prices reflect a determination to definitely remove the obstacle of cost from their universal acceptance.



PG 114 Portable Sound System

- 24 watts output—power to spare
- Remote electric mixing—another RCA First (extra)
- New noiseless high level mixing circuits
- Two - position mixer — for two microphones—local or remote
- RCA All Metal Tubes and beam-power output tubes (glass rectifier)
- RCA Velocity Microphone

RCA'S FINEST PORTABLE

For Audiences up to 3500 Persons

Again RCA leads the way with a host of new features found in no other portable P.A. equipment. For practically every installation where high quality and fidelity of reproduction are paramount considerations, the PG 114 will be found to meet all requirements. Orchestras, large night clubs, churches and the like will find it ideal. The remarkable convenience which characterizes the PG 114 is exemplified by the arrangement for "mixing" at any distance from the amplifier or microphone, a system made possible by new, noiseless, high-level mixing circuits. Beam-power tubes provide an abundance of distortionless power. A phonograph input jack permits the operator to use recorded music either alone or as a background for voices. Dual tone controls and microphone input positions are other highly desirable features.

Supplementing the modern amplifier design is the popular RCA Velocity Microphone and an attractive

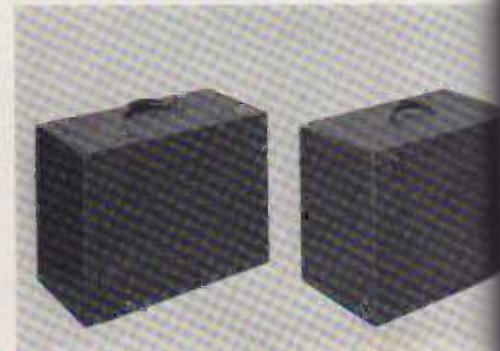
chromium-plated stand, which may be used either for banquet or floor purposes. The stand is packed in the case with the other equipment. Two high output permanent magnet dynamic speakers, which are housed in a separate case, make this an outstanding portable P.A. system for practically every use. The entire equipment is housed in two ruggedly built, portable cases, covered with black leatherette.

PG 114—Complete with tubes, but less remote mixing unit. **\$299.50**
 MI 12200/12400—Code SCWIZ
 MI 4123-A—Remote Mixing Unit with 30-foot cable and plug—Code SCUSJ **\$18.75**
 MI 4685—50-foot extension cable with plugs for MI 4123-A—Code SCUWN **\$11.60**
 MI 12200-A/12400—PG 114 with 220- and 110-volt 25 cycle Transformer—Code SEEHQ **\$299.50**

SPECIFICATIONS

GAIN—107 db.
FREQUENCY RESPONSE— 2 db. 70 to 10,000 cycles.
INPUT IMPEDANCE—Two 250 ohms, two 0 to 5,600 ohms.
OUTPUT IMPEDANCE—4, 7½, 15, 60 and 250 ohms.
TUBES—2 RCA-1612, 2 RCA-6N7, 2 RCA-6L6, 1 RCA-5Z3.
POWER OUTPUT—24 watts.
POWER REQUIRED—105/125 volts A.C., 60 cycles, 180 watts.

LOUDSPEAKERS— 2-10¼" Permanent Field.
CABLES—Microphone, 30 feet; amplifier to speaker, 35 feet; between speakers, 50 feet.
MICROPHONE—Junior Velocity.
DIMENSIONS—Speaker case, 21¼" H., 16½" W., 11½" D.; Amplifier case, 16½" H., 21¼" W., 12" D.
NET WEIGHT—Speakers, 28 lbs.; amplifier, 60 lbs.



The New Way



Remote Electric Mixing ANOTHER RCA FIRST

True remote mixing, which may be operated up to 2,000 feet by wire connection from the amplifier, to a compact portable unit small enough to be held in the hand, permits efficient, noiseless control from the best possible location. This means that the mixer can be placed in the audience where one can best hear the program or on the orchestra leader's stand so that he can control the volume as desired. This is a highly desirable feature and one that has never previously been offered in P.A. equipment of any type. It greatly increases the flexibility of any installation.

The Old Way





PG 112-C

Portable Sound System

- 12 watts—ample for most installations
- Phonograph input jack
- Tone Control
- Two input positions, 500,000 ohms
- One attractive black leatherette case holds all equipment
- RCA Velocity Microphone

RCA'S 12-WATT PORTABLE

For Audiences up to 2000 Persons

For that ever increasing market of medium power P.A. uses, the RCA PG-112C Portable Equipment is unequalled. Attractive in price, flexible in operation, is well suited for night clubs, restaurants, hotels, or any of the innumerable locations where portable equipment is necessary to cover audiences up to 2,000 persons. Two input positions with separate volume control for each, together with tone control, make for the utmost in convenience and simple operation. Phonograph input facilities provide for mixing voice with music background.

Two heavy-duty permanent magnet loudspeakers, a standard RCA Junior Velocity Microphone, complete with chromium plated desk stand and long intercommunicating cables, provide a complete unit ready for instant use.

In price, appearance, quality of reproduction, sturdy construction and simplicity of operation, the PG-112C is a standard reliable P.A. system of outstanding value.

PG 112-C, complete with tubes.
MI 12755—Code SEMXY.

\$149.00

SPECIFICATIONS

GAIN—130 db microphone. 89 db phonograph input.

INPUT IMPEDANCE—500,000 ohms.

OUTPUT IMPEDANCE—2, 4, 7½, 15 and 250.

TUBES—1 RCA-6J7, 2 RCA-6N7, 2 RCA-6L6, 1 RCA-5Z3.

POWER OUTPUT—12 watts; 19 watts maximum.
POWER REQUIRED—105 /125 volts A.C., 50/60 cycles, 110 watts.

LOUDSPEAKERS (2)—Permanent Magnet, 10¼".

CABLES—Microphone, 30 feet; amplifier to speakers, 24 feet each.

FREQUENCY—80 to 10,000.

MICROPHONE—Junior Velocity.

DIMENSIONS—16¼" W., 21¼" H., 11" D.

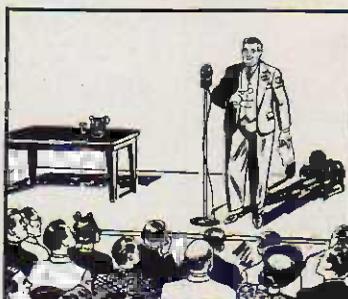
NET WEIGHT—43 lbs.



Night Club



Auditorium



Restaurant



Church



**PG 111
Portable Sound System**

- Beam-Power Output Tube
- Permanent Magnet Speaker of High Sensitivity
- Tone and Volume Controls
- Complete in One Sturdy, Compact Case
- Total Weight Only 25 lbs.
- RCA Aerodynamic Microphone
- Phonograph Connection



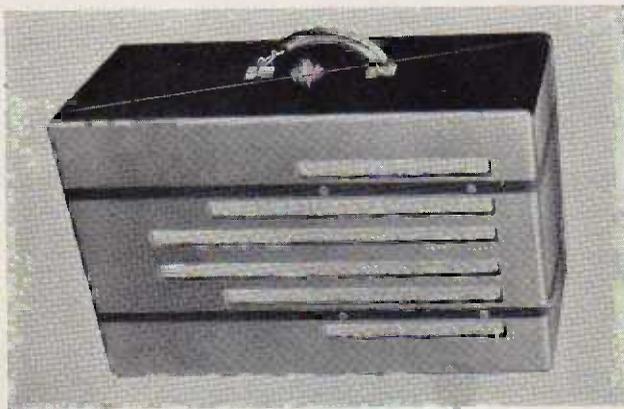
RCA'S POPULAR-PRICED PORTABLE SOUND SYSTEM

New, from its attractive Aerodynamic Microphone to its sturdy gray Faberckle case, the RCA PG 111 Equipment is outstanding in the popular-priced P. A. field. It is well suited for small auditoriums, bus terminals, restaurants, window displays, small night clubs and hundreds of other uses where a thoroughly dependable, inexpensive equipment is required. The amplifier is of sturdy construction, has tone and volume controls.

Microphone and phonograph input terminals permit the use of record reproduction alone or as a back-ground to voice. The speaker is a heavy permanent magnet type, of 8 $\frac{1}{4}$ " diameter, while the microphone is the famous RCA Aerodynamic, complete with a 30-foot shielded cable.

PG 111—Complete with tubes.
MI-4706—Code SCWEV.

\$74.50



SPECIFICATIONS

GAIN—110 db.	POWER REQUIRED—105/125 volts A.C., 50/60 cycles, 52 watts.
FREQUENCY RESPONSE— 2 db—100 to 10,000 cycles.	SPEAKER—Permanent Magnet, 8 $\frac{1}{4}$ ".
INPUT IMPEDANCE—560,000 ohms.	CABLES—Microphone, 30 feet; speaker, 35 feet.
OUTPUT IMPEDANCE—0.35 to 19 ohms. (Wired for 6 ohms.)	MICROPHONE — Aerodynamic High Impedance.
TUBES—1 RCA-79, 1 RCA-6L6, 1 RCA-80.	DIMENSIONS—12 $\frac{3}{4}$ " W., 18 $\frac{1}{2}$ " H., 8" D.
POWER OUTPUT—6 watt maximum.	NET WEIGHT—25 lbs.

Auction Rooms



Bowling Alleys

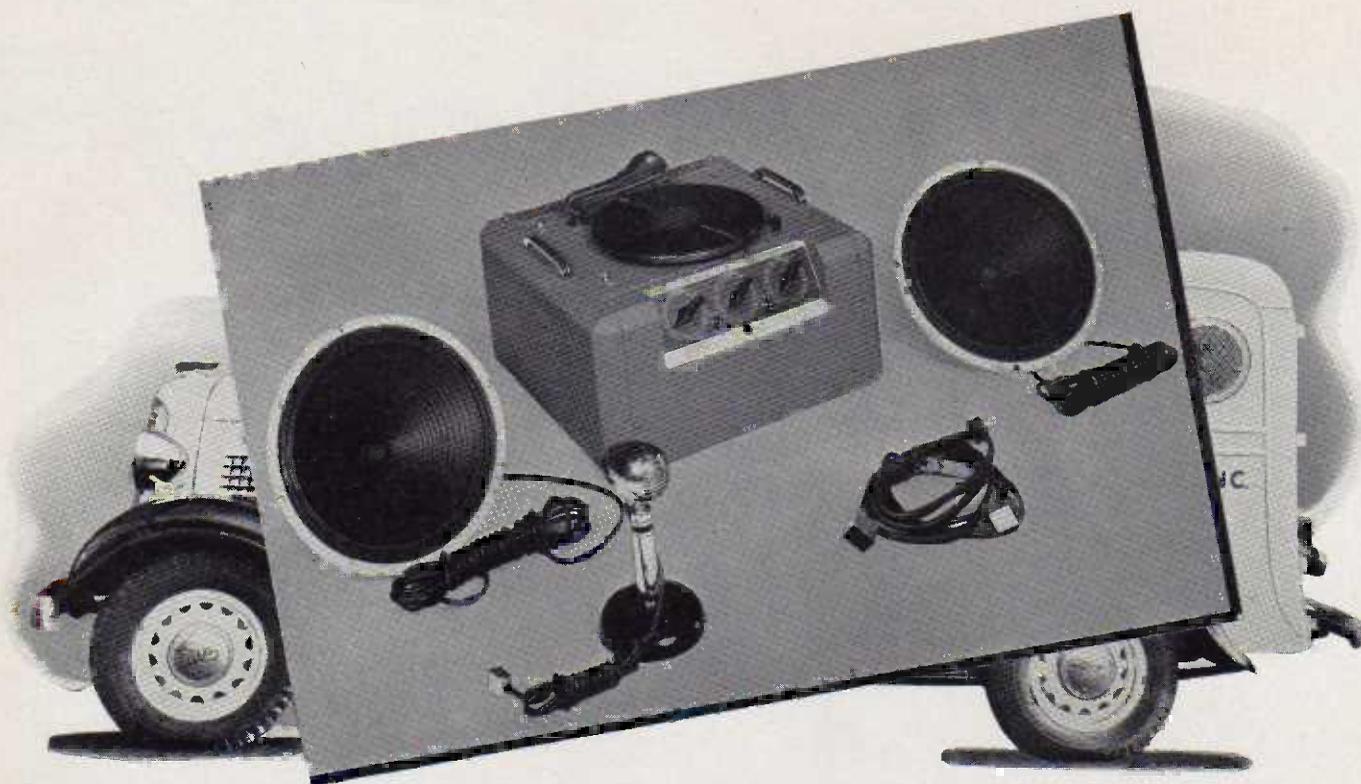


Gymnasiums



RCA ALL PURPOSE PORTABLE SOUND SYSTEM

110 VOLTS A.C., or 6 VOLTS D.C.



for

Advertising—Amusement Parks—Sporting
Events—Political Meetings—Parades—Fairs and
Carnivals—Special Radio Broadcasts—Sales
Campaigns—Introducing New Merchandise.

The RCA All Purpose Portable Sound System is a general service equipment. Move it easily. Use it anywhere.

A complete portable sound system for voice or music with enough power for average indoor and outdoor requirements.

A powerful 25-watt amplifier—the famous RCA Aerodynamic Microphone—a smooth running turntable and two big 12" permanent field loudspeakers combine to make this an outstanding all around sound system.

Operates from 105/125 volts, 50/60 cycles A.C. or 6 volts D.C. (automobile storage battery).

Completely Self-Contained—Nothing else to buy.

OUTSTANDING FEATURES

- 25 watts power output.
- Provision for remote mixing.
- Aerodynamic microphone with stand.
- 2 sturdy 12" P.M. speakers.
- Plays 10" and 12" records.
- High quality speech and music reproduction.
- Power consumption A.C., 195 watts.
- Power consumption D.C., 120 watts.
- Modern—Attractive—Compact.
- French gray wrinkle finish.
- Dimensions: H. 11 $\frac{3}{4}$ "; W. 18 $\frac{1}{4}$ "; D. 17 $\frac{1}{2}$ ".
- Net weight, 50 lbs.

Complete with microphone and stand. Two 12" P.M. speakers, tubes, simple connecting cables and turntable ready to operate, all for
MI-12754—Code SEGEL.

\$245.50

Note—Loudspeakers may be mounted in MI-4420 Metal or MI-4428 Wood loudspeaker baffles.



RCA MASTER CONTROL

A Master Control is the "nerve center" of multiple sound distributing systems. From the master control, programs are selected, routed and transmitted to as many as 120 loudspeaker circuits.

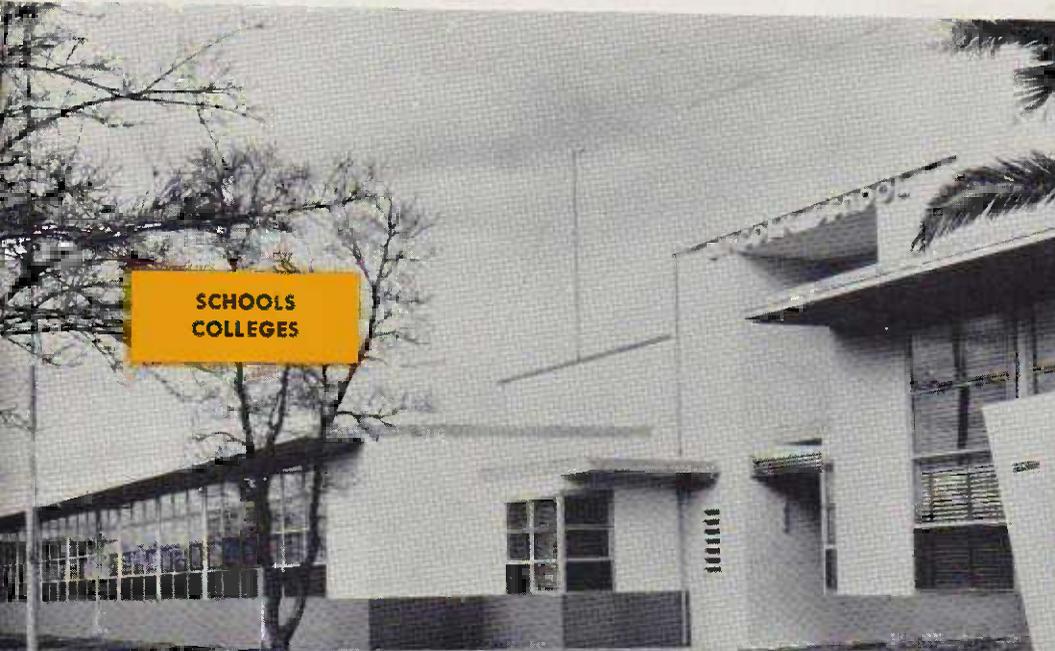
Microphone, Victrola, radio, loudspeaker control switches, amplifiers, monitoring speakers, volume indicator, recording connections, together with all power switches are conveniently arranged in the RCA desk type Master Controls with all individual controls placed at the operators finger tips for simplicity and ease in operation.

RCA Master Controls find general use as a foundation unit of multiple sound systems for:

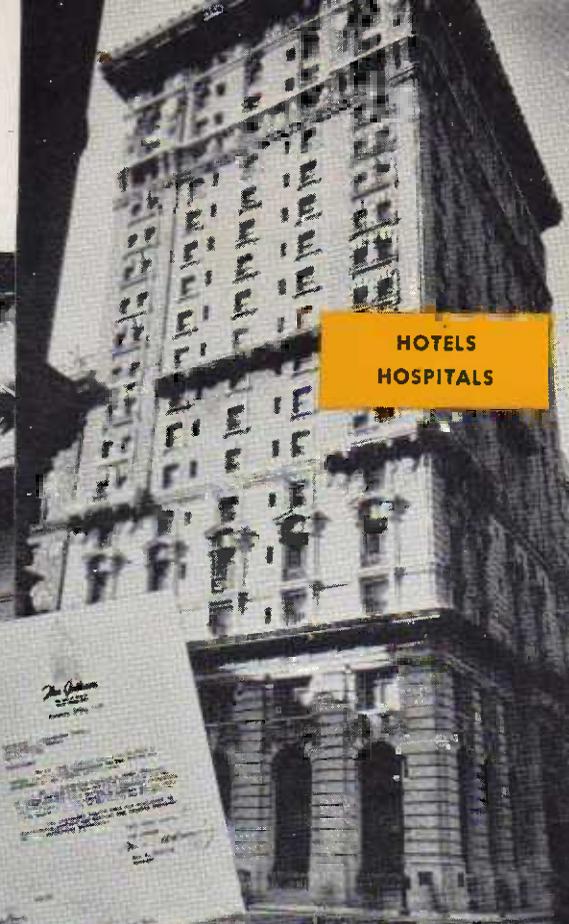
Hotels
Schools
Hospitals
Offices
Factories
Plants
Amusement Parks
Warehouses
Camps
Colleges
Golf Clubs
Public Markets
Play Grounds
Prisons
Brokers
Stock Exchanges

Department Stores
Tourist Camps
Railroad Terminals
Airport Terminals
Steamships
Clubs
Asylums
Beer Gardens
Churches
Dining Rooms
Industrial Plants
Institutions
Private Schools
Sanitariums
Steamship Piers
Summer Resorts

SYSTEMS



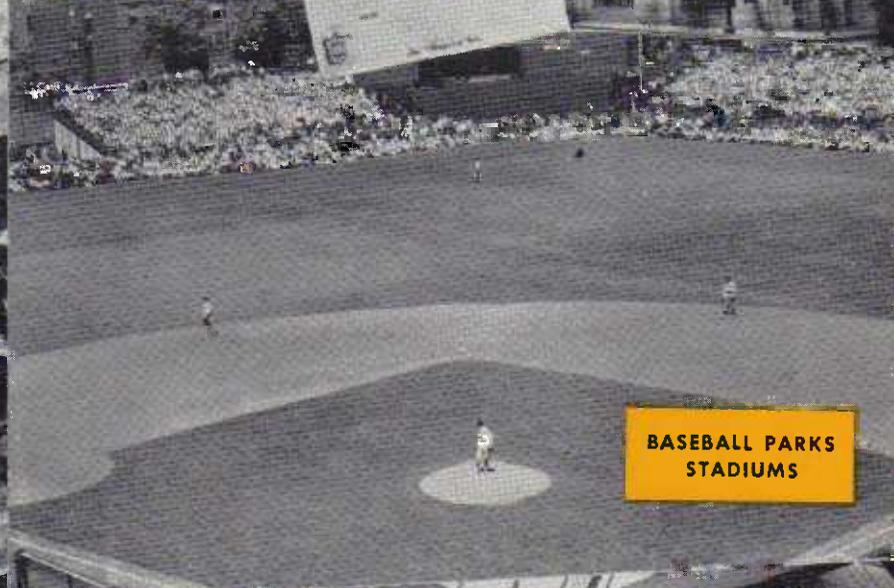
**SCHOOLS
COLLEGES**



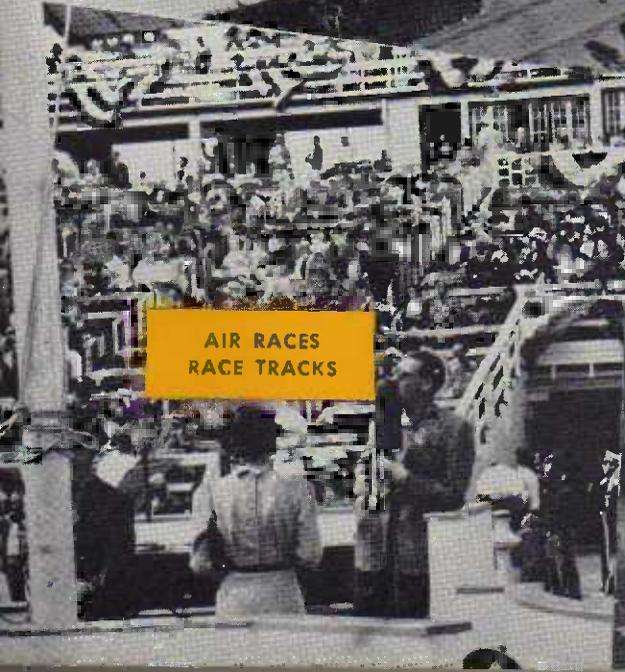
**HOTELS
HOSPITALS**



**AMUSEMENT
CENTERS**



**BASEBALL PARKS
STADIUMS**



**AIR RACES
RACE TRACKS**



**INDUSTRIAL
PLANTS**

RCA VICTOR *De Luxe*



SOME OF THE IMPORTANT FEATURES OF THIS NEW RCA SOUND SYSTEM

- ★ New console desk-type control with two program facilities up to 120 loudspeaker circuits.
- ★ Two of the latest RCA Victor High-Fidelity, 12-tube Electric Tuning Radio receivers with foreign and domestic bands.
- ★ RCA Victor gentle-action automatic record-playing mechanism plays eight 10" or seven 12" records.
- ★ Microphone pick-up at central control location and other points desired, with provision for remote volume control from these locations.
- ★ Two separate programs may be transmitted simultaneously through selected channels with an additional channel available for communication.
- ★ Equipped for attaching RCA Victor Recording Unit MI-4822 to provide instantaneous recordings of speech and music.
- ★ Finish—Fine heart and butt walnut veneers. Dimensions, 55" W., 44½" H., 26" D. Height of desk portion, 30½". Net weight, 250 lbs. MI-6719—For 20 circuit operation including tubes \$875.00 Code SEGYE.

THE MASTER CONTROL PANEL

Loudspeaker Selector Switches are located on either side of the panel. The switches enable the operator to route radio and record programs as well as announcements over either of the two separate program channels. A Master Switch permits the sending of emergency announcements to all rooms regardless of position of individual speaker switches. A fine Electric Clock and Visual Volume Indicator are also incorporated in the Master Control Panel.



MASTER CONTROL

A MARVEL OF ENGINEERING DESIGN AT A NEW LOW COST

Capable of providing distribution of speech, radio and record programs up to 120 loudspeaker outlets, the new RCA Master Control shown and described on these pages, brings to the school, hotel, hospital, and numerous other institutions, the finest sound distribution system of the present day.

This new system is expertly designed to meet every radio and sound requirement of the modern institution, regardless of its size. It has been developed by RCA Sound Engineers who have achieved a degree of perfection heretofore unattainable in equip-

ment of this kind. A new convenience and simplicity of operation is featured. Instantaneous two-way communication between the main unit and any or all rooms is possible. Radio and record programs are quickly and easily transmitted simultaneously. Nerve center of this new RCA Victor Sound System is the Master Desk Console shown at the left. All controls are at the operator's finger-tips. The two high-fidelity, RCA Victor Radios, incorporated in the equipment, are installed in each side of the cabinet. Between them is an automatic record-changer.

ADDING ADDITIONAL CONTROL SWITCHES

Photo (right) shows the ease with which additional loudspeaker control switches may be added to the RCA Master Control. Ten circuit controlling switches are mounted and wired on a slip-in panel. It takes but a few minutes to remove the blank filler panel and insert and connect extra switch slip-in panels. Up to 120 loudspeaker switches may be installed in this manner.

MI-6809 Switch Panel—Code SEHCI

\$29.50

For installations in excess of twenty loudspeaker outlets, additional amplification may be required. MI-4288 Amplifiers are recommended. See page 31.



RCA VICTOR *Junior*



FEATURES

RCA Junior Master Control is housed in a modern cabinet of dignified impressive beauty. This most attractive and durable unit contains the following:

RCA Victor 12-tube High Fidelity domestic and foreign broadcast receiver.

★
Improved electric tuning—8 stations.

★
Provision for remote control of volume.

★
Monitoring loudspeaker.

★
VICTROLA: Plays 10-inch and 12-inch Victor records—with feather touch crystal pick-up, true tracking tone arm and constant speed motor.

★
CABINET: Fine heart and butt walnut veneers combine to provide a most distinctive piece of furniture.

★
SIZE: 42" W., 18 $\frac{3}{4}$ " H., and 14 $\frac{3}{4}$ " D.

Net weight, 78 lbs.

MI-6718 for 20 circuit operation—with tubes
—Code SEGNU \$360.00

COMMUNICATION KIT

As optional equipment, a Communication Kit consisting of an amplifier and coupling transformers may be added to provide an independent two-way communication channel.

MI-6827 Communication Kit—Code SEGUA \$38.10
(less tubes)

ADDITIONAL CONTROL SWITCHES

Additional Loudspeaker Control Switches are furnished in a kit of 10-wired switches, including designation strip and mounting hardware.

MI-6716 Switch Kit—Code SEGOV \$18.50

MASTER CONTROL

HIGHLY EFFICIENT AND COMPACT TABLE MODEL

Designed primarily for, and priced within the budget of medium-sized institutions, RCA Victor's new table model Master Control transmits microphone, radio and recorded programs to 20 loudspeaker circuits. Provision is made to accommodate additional controls to take care of as many as 40 loudspeakers. As well as providing distribution of important mes-

sages and speeches, including radio programs of every kind—it offers that very important feature of two-way communication between the main office and persons located in any of the other rooms. A master switch is provided for instantaneous communication to all rooms regardless of position of individual loudspeaker switches.

The RCA Victor record playing unit (neatly housed in the main cabinet when not in use) permits the transmission of recorded programs to all loudspeakers.



TYPICAL *Master Control* INSTALLATIONS

RCA Master Control Units provide almost unlimited flexibility and economy in meeting the

requirements of large or small installations with standard equipment.

A few typical systems are suggested below:

JUNIOR SINGLE PROGRAM

10 SPEAKER MASTER CONTROL SYSTEM

A single program system for a small school, department store, office, etc., provides radio, phonograph and microphone programs for 10 average size rooms.

TYPICAL EQUIPMENT

QUANTITY	CAT. NO.	DESCRIPTION
1	MI-6718	Junior Master Control.
1	MI-6226	Aerodynamic Microphone.
1	MI-6227	Microphone Table Stand.
10	MI-6248A	8" Permanent Field Dynamic Speaker Mechanisms.
10	MI-6292	Sloping Front Wood Speaker Housings.

Price \$531.10 Equipment Only Including Tubes

JUNIOR SINGLE PROGRAM

20 SPEAKER MASTER CONTROL SYSTEM

A single program system for medium size schools, factories, stores, offices, etc., provides radio, phonograph and microphone programs for 18 average size rooms and one auditorium, gymnasium, cafeteria or recreation hall.

TYPICAL EQUIPMENT

QUANTITY	CAT. NO.	DESCRIPTION
1	MI-6718	Junior Master Control.
1	MI-6226	Aerodynamic Microphone.
1	MI-6227	Microphone Table Stand.
18	MI-6248A	8" Permanent Magnet Field Speaker Mechanisms.
18	MI-6296	8" Metal Speaker Housings.
2	MI-6247A	12" Permanent Field Dynamic Speaker Mechanisms.
2	MI-6294	Sloping Front Wood Speaker Housings.

Price \$612.80 Equipment Only Including Tubes

DE LUXE TWO-PROGRAM

20 SPEAKER MASTER CONTROL SYSTEM

A two-program system. Provides two program channels for radio, phonograph or microphone and a separate communication channel. Ideal for any school, office, factory, etc.

TYPICAL EQUIPMENT

QUANTITY	CAT. NO.	DESCRIPTION
1	MI-6719	De Luxe Master Control.
1	MI-6226	Aerodynamic Microphone.
1	MI-6227	Microphone Table Stand.
20	MI-6248A	8" Permanent Field Dynamic Speaker Mechanisms.
20	MI-6292	8" Sloping Front Wood Speaker Housings.

Price \$1194.60 Equipment Only Including Tubes

DE LUXE TWO-PROGRAM

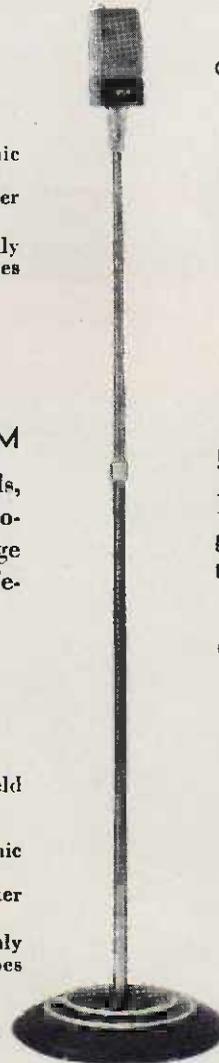
50 SPEAKER MASTER CONTROL SYSTEM

Provides two-program channels for radio, phonograph or microphone and a separate communication channel.

TYPICAL EQUIPMENT

QUANTITY	CAT. NO.	DESCRIPTION
1	MI-6719	Master Control (with 50 Keys).
1	MI-6226	Aerodynamic Microphone.
1	MI-6227	Microphone Table Stand.
2	MI-4288	Power Amplifiers.
48	MI-6248A	8" Permanent Field Dynamic Speaker Mechanisms.
48	MI-6292	8" Sloping Front Wood Speaker Housings.
2	MI-6247A	12" Permanent Field Dynamic Speaker Mechanisms.
2	MI-4428	Wood Directional Speaker Baffles.

Price \$1923.40 Equipment Only Including Tubes





With its forty years of experience in the fields of sound recording and reproduction, RCA Victor is particularly well qualified to design and manufacture the very finest equipment for this purpose. Extensive research facilities, skilled engineers, and unexcelled manufacturing facilities all contribute to make the RCA Victor Recording and Playback Equipment, the very finest equipment of this kind that it is possible to make.

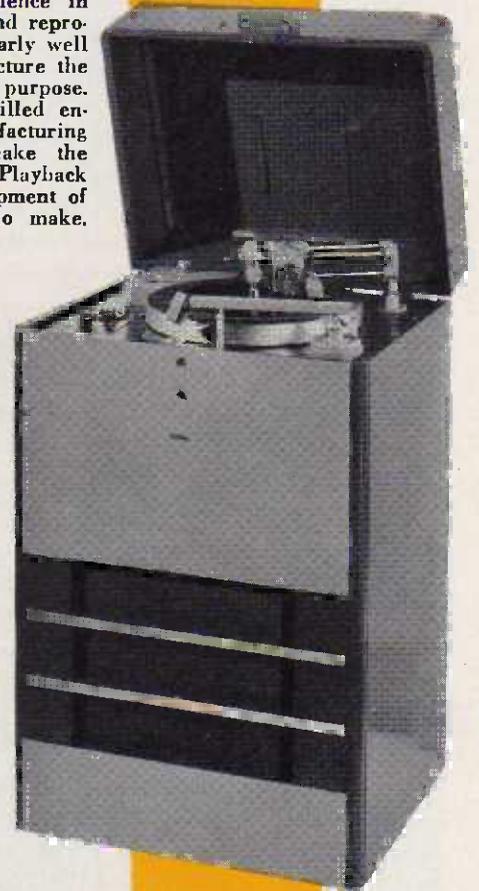
RCA VICTOR INSTANTANEOUS RECORDING AND PLAYBACK EQUIPMENT

To orchestras, dramatists, public speakers, singers, and entertainers, the value of instantaneous recording is well known, and these persons have profited from its use for many years. But, until now, these were almost the only persons who could benefit by it—it was not generally available to others.

Now RCA Victor offers to the public in general—to that vast host of educators, business men, lawyers, students, music lovers, clubs and organizations, and others whose need for this equipment has been voiced in repeated demands—a choice of two fine equipments, completely self-contained, and designed to fill the requirements of every user.

RCA Recording Discs

To obtain the degree of perfection in recording for which the RCA Victor Instantaneous Recording and Playback Equipment was designed, recordings should be made on the RCA Recording Discs especially developed and perfected for use with this equipment. These recording discs are also suitable for use on other standard types of recording machines.



RCA VICTOR *De Luxe* RECORDER

RCA Victor offers to the public in general—to that vast host of educators, business men, lawyers, students, music lovers, clubs and organizations, and others whose need for this equipment has been voiced in repeated demands—a choice of two fine equipments, completely self-contained, and designed to fill the requirements of every user.

The first of these is the RCA Victor Model MI-12700 Recording and Instantaneous Playback Equipment, shown at the right. It is entirely complete in itself, containing all the components necessary for making quality recordings and playing them back immediately after completion. The instrument is exceedingly versatile, accommodating discs of from six to sixteen inches in diameter, and recording either from center out, or from rim to center. Turntable speed may be set at either 78 or 33 $\frac{1}{3}$ r.p.m.

A conveniently located visual volume-indicator facilitates control and regulation of the recording level, and a jack permits the use of headphones for monitoring. Controls are also provided for regulation of the volume and tone in recording and in the playing of records.

The entire equipment is contained in a single smartly designed cabinet equipped with easy rolling casters. Its operation is free of complications so that it may be managed and operated by persons without previous experience or training.

Other features of the RCA Victor De Luxe Recorder are a high-fidelity velocity microphone with floor stand, high torque constant speed motor and turntable assembly, and high-fidelity amplifier for the recording functions. A high-fidelity speaker, reproducing pick-up, and tone arm is also incorporated within the cabinet for immediate playback of the finished recordings.

Thus the instrument becomes, in addition to its outstanding performance as a recorder, a magnificent reproducing instrument upon which to play any Victor or Bluebird Record, in addition to the ones you make.



SPECIFICATIONS

VOLTAGE—105-125 volts A.C., 60 cycles. FREQUENCY RESPONSE—60-6,500 cycles.
POWER CONSUMPTION—155 watts. LOUDSPEAKER—12" Permanent Field.
INPUT IMPEDANCE—250 ohms; auxiliary jack 1,200 ohms. DIMENSIONS—35 $\frac{1}{2}$ " H., 27" W., 22" D.
POWER OUTPUT—3 watts. NET WEIGHT—136 lbs. Finish two-tone grey.
OVERALL GAIN—105 db.

MI-12700—Complete with Tubes, Velocity Microphone and Floor Stand for rim to center recording \$475.00
Code SEKQT.

MI-12700A—Complete as above, except center to rim recording \$475.00
Code SEKRU.



USES CUTTER-HEAD FLOAT STABILIZER

An outstanding feature of this equipment is the new RCA Cutter-Head Float Stabilizer, which acts as a shock-absorber on the cutter-head and in this way assures utmost smoothness and freedom from flutter.

NEW RCA VICTOR *Portable* RECORDER

WHERE it is desirable to move the equipment above from place to place, RCA Victor offers another model—the new Portable Recorder, Model MI-12701. This model, though considerably smaller than the de luxe model, is likewise entirely self-contained; and it holds within its case, in compact and convenient form, all of the components requisite for high-quality recording, as well as immediate playback of the completed record.

THE turntable rotates at a speed of 78 r.p.m., and will accommodate discs of any diameter from six inches to twelve. Discs are cut from rim to center and thus are suitable for reproduction not only on the recorder, but also on any RCA Victrola. The recorder itself, through its superb reproduction facilities, may be used to play any Victor or Bluebird Record, in addition to the recordings you make with it.

FEATURES include an RCA Aerodynamic Microphone complete with table stand; high quality amplifier; speaker; tone arm; and reproducing pick-up. A jack permits the use of earphones for monitoring while recording, and a visual indicator facilitates accurate adjustment and regulation of volume for recording. Another control permits adjustment of tone when the instrument is used for recording and reproducing records.

SPECIFICATIONS

VOLTAGE—105/125 volts A.C., 60 cycles.

POWER CONSUMPTION—127 watts.

INPUT IMPEDANCE—100,000 ohms.

POWER OUTPUT—3 watts.

OVERALL GAIN—105 db.

FREQUENCY RESPONSE—60–6,500 cycles.

LOUDSPEAKER—6" Permanent Field.

DIMENSIONS—12½" H., 15½" W., 17½" D.

NET WEIGHT—37½ lbs. Finish grey.

MI 12701 Complete with tubes, aerodynamic microphone and table stand

\$179.00

Code SEKUX.



Success and happiness in future years depend to a great degree on a child "knowing how to talk." The only means for accurate check on progress in voice training is the making of recordings of the pupil's voice. RCA Recordings make it easy for teachers to explain, and for pupils to understand errors. Photo below shows Antoinette Pangallo, a pupil in the Holy Rosary School at Indianapolis, making voice test record on RCA Victor Portable Recorder.



16" De Luxe TURNTABLE FOR RECORDING ATTACHMENT



The RCA two-speed turntable meets a definite need for a high quality portable unit capable of handling 16" records. The most advanced engineering practice has gone into the design of this unit to assure constant speed. Features include a heavy motor, balanced rim driven turntable, high quality magnetic pickup, two speeds (78 RPM and 33½ RPM), master volume and continuously variable tone controls, housed in a neat gray carrying case. Dimensions—Height 14", width 28½", depth 23¾". 105/125 volts—60 cycles. Net weight, 82 lbs.

MI-4814. Code—SEKVY \$236.50



MI-4814 Turntable with recording attachment.



MI-4815—MI-4820

With the addition of the RCA Recording attachments MI-4815 (outside-in) or MI-4820 (inside out) the RCA 16" turntable becomes a high quality portable instantaneous recording unit which can be attached to the RCA De Luxe Master Control (pages 16-17) or may be used with other RCA high quality amplifiers.

MI-4815—Recording attachment (outside-in).
Code—SELGI \$120.00

MI-4820—Recording attachment (inside out).
Code—SELMO \$120.00



To change recorder attachments MI-4814, MI-4820, or De Luxe Recorder from outside-in or inside-out cutting, it is only necessary to change the lead screw.

MI-4819—(lead screw inside-out).
Code—SELQS \$28.00

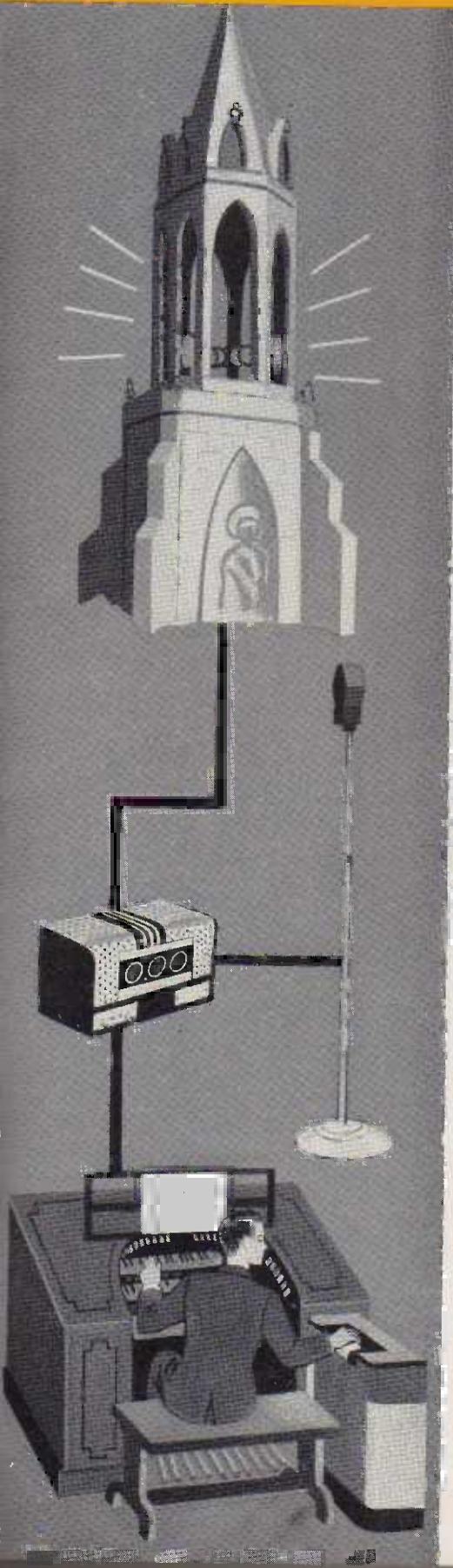
MI-4821—(lead screw outside-in).
Code—SELOQ \$28.00



RECORDING DISCS - RECORDING NEEDLES

Recording discs in 6", 8", 10", 12" and 16" diameters and steel or sapphire styli are available at all RCA Victor Distributors (see back cover).

RCA VICTOR ALL ELECTRIC CHIMES



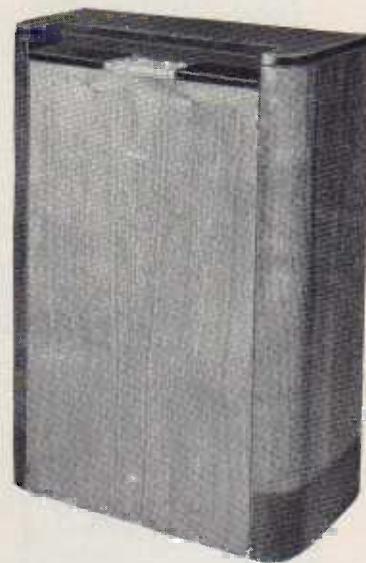
for

- Churches
- Schools
- Orchestras
- Institutions
- Memorial Parks
- Singing Towers
- Formal Gardens

RCA Victor All-Electric Chimes produce bell music of marvelous tonal quality comparing favorably with that obtained through the use of a series of extremely heavy and costly cast bells. RCA Victor Chimes bring to even the smallest church the beauty and glory of great cathedral bells. The five and twenty-six bell console units illustrated are furnished complete with keyboard ready to attach to any of the sound amplifying systems described in this catalogue.

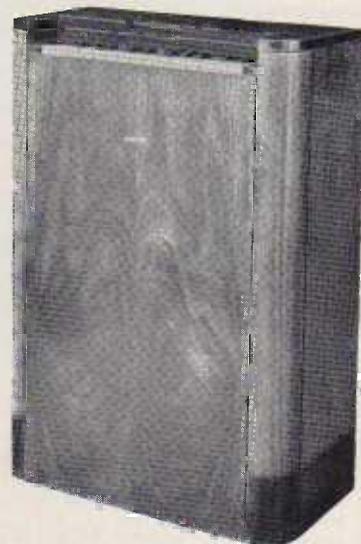
The typical installation shown at left, consisting of a five or twenty-six bell chimes unit together with a Series 12, Series 24, Series 50 or Series 200 RCA sound system (depending on area to be covered) illustrates how bells, organ or vocal music may be projected over wide areas from church, school, or memorial park towers. RCA All-Electric Chimes are produced electrically and not from records or microphone pickup.

Forty-nine note Chime Console made on special order.



5-BELL CHIMES UNIT
 Cabinet Finish—hand rubbed walnut. Net weight, 22 lbs.
 SIZE—20" W., 29½" H., and 10" D.
 OUTPUT IMPEDANCE—250 ohms.
 MI-4766—Code, SEKBE \$70.00

*Both Units are tuned to
 Universal Pitch
 (A = 440 Cycles)*



26-BELL CHIMES UNIT
 Cabinet Finish—hand rubbed walnut. Net weight, 27 lbs.
 SIZE—20" W., 29½" H., and 10" D.
 OUTPUT IMPEDANCE—250 ohms.
 MI-4771—Code, SEMTU \$280.00

RCA'S COMPLETE LINE



MI-4027A

RCA VELOCITY MICROPHONE

The outstanding velocity microphone, used by the World's leading broadcasting stations. No other microphone approaches this one in quality. It is completely foolproof, holds adjustment, and is ruggedly constructed for hard usage. Its bi-directional characteristics minimize room reverberation; it is free from pressure doubling, cavity resonance and high frequency directivity. Use it in your finest sound installations.

SPECIFICATIONS

FREQUENCY RANGE—30-15,000 cycles.
 OUTPUT LEVEL—61 db (10-bar-open-circuit).
 OUTPUT IMPEDANCE—50 and 250 ohms.
 CABLE—30 feet (less plug).
 FINISH—Chromium and black.
 FITTING— $\frac{1}{2}$ -inch pipe thread.
 NET WEIGHT—8 $\frac{1}{2}$ lbs.
 DIMENSIONS—12" H., 4 $\frac{1}{4}$ " W., 3 $\frac{3}{4}$ " D.

MI-4027A—Code, SEDIS \$130.00



MI-4042A

RCA THREE WAY MICROPHONE

Similar in construction, size and finish to the RCA Uni-Directional Microphone. A switch allows either of two ribbon units to be used alone or in combination. Velocity ribbon provides bi-directional pick-up; pressure ribbon provides non-directional pick-up; velocity and pressure ribbons combined provide uni-directional pick-up. Switch is marked with directional patterns to quickly determine setting.

SPECIFICATIONS

FREQUENCY RESPONSE—a. Non-directional, 50-10,000 cycles; bi-directional and uni-directional, 40-10,000 cycles.
 DIRECTIONAL RATIO—10 to 1.
 OUTPUT LEVEL—Non-directional and bi-directional, -66 db (10-bar-open-circuit); uni-directional, -63 db (10-bar-open-circuit).
 OUTPUT IMPEDANCE—250 ohms.
 CABLE—30 feet (less plug).
 FINISH—Chromium and black.
 FITTING— $\frac{1}{2}$ -inch pipe thread.
 NET WEIGHT—3 lbs.
 DIMENSIONS—8 $\frac{1}{2}$ " H., 3 $\frac{3}{4}$ " W., 2 $\frac{1}{2}$ " D.

MI-4042A—Code, SEHTZ \$170.00



MI-4042

RCA UNI-DIRECTIONAL MICROPHONE

RCA Uni-Directional Microphone—entirely new design. Uses the exclusive RCA principle of two ribbons (one pressure actuated, one velocity actuated) in series, to obtain a nearly perfect cardioid pattern and uniform frequency response. An excellent microphone that assures good pick-up under high reverberatory conditions. Particularly good for stage use. Pick up all sounds from the stage excluding audience and house noises.

SPECIFICATIONS

FREQUENCY RANGE—40-10,000 cycles.
 OUTPUT LEVEL—63 db (10-bar-open-circuit).
 OUTPUT IMPEDANCE—50 and 250 ohms.
 CABLE—30 feet (less plug).
 FINISH—Chromium and black.
 FITTING— $\frac{1}{2}$ -inch pipe thread.
 NET WEIGHT—2 lbs.
 DIMENSIONS—8" H., 3 $\frac{3}{4}$ " W., 2 $\frac{1}{2}$ " D.

MI-4042—Code, SEHSY \$130.00

OF MICROPHONES...



MI-4036

Fills Every Public Address Need

Perhaps in no other field of research has RCA's superior design and manufacture been more evident than in the field of Microphones. Practically every design is an RCA first that establishes a new standard of performance. Each type of RCA Microphone is designed for a specific application, and when so used gives results not exceeded by any other Microphones in use today. RCA Microphones are high in quality yet moderately priced. When you use RCA Microphones, you use the best.

RCA JUNIOR VELOCITY MICROPHONE

Low in cost and high in quality RCA's popular-priced Junior Velocity Microphone is a true velocity unit of small size and light weight with ball and socket mounting. It is the leader in the Public Address field.

SPECIFICATIONS

FREQUENCY RANGE—50-9,000 cycles.
 OUTPUT LEVEL—59 db (10-bar-open-circuit).
 OUTPUT IMPEDANCE—50, 250, 15,000 ohms.
 CABLE—30 feet (less plug).
 FINISH—Chromium and black.
 FITTING— $\frac{1}{2}$ " pipe thread.
 NET WEIGHT— $3\frac{1}{2}$ lbs.
 DIMENSIONS— $7\frac{1}{4}$ " H., $2\frac{3}{4}$ " W., $2\frac{1}{2}$ " D.

MI-4036—Code, SCHUY \$34.50

RCA PRESSURE MICROPHONE



A brand new high quality RCA Microphone especially designed for outside use. Pressure operated, with a styrol diaphragm and moving coil element. This microphone is extremely rugged, small in size and presents an attractive appearance. A ball-and-socket joint (with thumb screw clamps) affords easy adjustment.

SPECIFICATIONS

FREQUENCY RANGE—60-10,000 cycles.
 OUTPUT LEVEL—54 db (10-bar-open-circuit).
 OUTPUT IMPEDANCE—50 and 250 ohms.
 CABLE—30 feet (less plug).
 FINISH—Chromium and black.
 FITTING— $\frac{1}{2}$ " pipe thread.
 NET WEIGHT— $2\frac{1}{4}$ lbs.
 DIMENSIONS— $4\frac{1}{2}$ " H., $2\frac{1}{8}$ " W., 4" D.

MI-4048A—Code SEKLO

\$74.95

RCA MICROPHONES

RCA AERODYNAMIC MICROPHONE



MI-6226

The Aerodynamic Microphone is an outstanding RCA contribution to the popular priced field. Small, attractive chromium finish, with modern streamlined styling, rugged construction and excellent performance—features that appeal to every microphone user. Especially suited for close talking or announcing purposes. Available in high or low impedance models. Check the specifications at the right and let this microphone solve your difficult pick-up problems at minimum cost.

SPECIFICATIONS
 FREQUENCY RANGE—100-8,000 cycles.
 OUTPUT LEVEL -66 db (10-bar-open-circuit).
 OUTPUT IMPEDANCE—250 ohms (6228 40,000 ohms).
 CABLE—30 feet (less plug).
 FINISH—Chromium.
 FITTING— $\frac{1}{8}$ " pipe thread or $\frac{5}{32}$ " fixture thread.
 NET WEIGHT—2 $\frac{1}{4}$ lbs.
 DIMENSIONS—3" H., 2 $\frac{3}{8}$ " W., 3 $\frac{3}{8}$ " D.

MI-6226—Code SEELU (Low impedance) \$19.95
 MI-6228—Code SCONK (High impedance) \$21.95



MI-6225A

RCA DOUBLE BUTTON CARBON MICROPHONE

An excellent two-button carbon microphone. Attractive appearance, low carbon hiss, mounted in a handy all-metal case, suitable for either desk or hand use.

SPECIFICATIONS
 FREQUENCY RANGE—50-6,500 cycles.
 OUTPUT LEVEL -40 db (10-bar-open-circuit).
 D.C. RESISTANCE—200 ohms per button; excitation 4 to 6 volts.
 CABLE—12 feet (with plug).
 FINISH—Gun metal.
 FITTING—Desk base.
 NET WEIGHT—2 lbs.
 DIMENSIONS—6" H., 3 $\frac{1}{2}$ " W., 2" D.

MI-6225A—Code TUGEJ \$11.50



MI-4001B

RCA LAPEL VELOCITY MICROPHONE

This small velocity microphone is designed to clip on the coat lapel or garment of the speaker. This permits the speaker to move freely about the stage or platform. Ideal for lecturers, teachers, merchandise demonstrations, etc. Smaller than a match box—weighs 3 $\frac{1}{4}$ ounces.

SPECIFICATIONS
 FREQUENCY RANGE—80-7,000 cycles.
 OUTPUT LEVEL -77 db (10-bar-open-circuit).
 OUTPUT IMPEDANCE—250 ohms.
 CABLE—30 feet (with plug).
 FINISH—Black.
 FITTING—Lapel clip.
 NET WEIGHT—3 $\frac{1}{4}$ oz. (microphone only).
 DIMENSIONS—15/16" H., 1-7/16" W., 1-3/16" D.

MI-4001B—Code VLAWI

\$44.35

RCA'S COMPLETE LINE OF MICROPHONE STANDS



BOOM MICROPHONE STAND

A beautiful studio satin-chrome finished stand which provides an extension for placing a microphone close to the source of sound. The arm may be adjusted in height and holds the adjustment without clamping devices. A counterweight is included to compensate for either a MI-4027, MI-4036 or MI-4042 Microphone. Supports for microphone cable are included along the boom section. Adjustable in height from 26½ inches to 73 inches. Diameter of base, 15⅝". Finish: Satin-chrome. Weight, 75 lbs. Standard ½" pipe thread fitting.

MI-4091—Code SEEZH \$131.10

RCA STANDARD ANNOUNCE STAND

This smartly designed announce stand is adjustable from 8 to 10½ inches, ample for all announcing uses. It is finished in attractive chromium and black and features a heavy cast base. Has ½-inch standard pipe thread fitting.

MI-4065B—Code CROYZ (Stand only) \$7.75



TABLE STAND FOR AERODYNAMIC MICROPHONE

A striking, chromium-plated stand, having a heavy black base and black trimmings. Makes an ideal table or hand stand. Has felted base and is 6 inches in height. Not easily turned over. Fitting is for standard ½-inch pipe thread.

MI-6227—Code SCIDG (Stand only) \$2.65



COLLAPSIBLE PORTABLE FLOOR STAND

A sturdy, lightweight, collapsible stand for field use featuring a tripod base and maximum portability. Recommended for use with MI-4027, MI-4036, MI-4048 and MI-4042 Microphones. Several of these stands may be carried in compact space for outdoor use. Adjustable from 32½ inches to 60 inches. Weight, only 3 lbs. Fitting: ½" standard pipe thread.

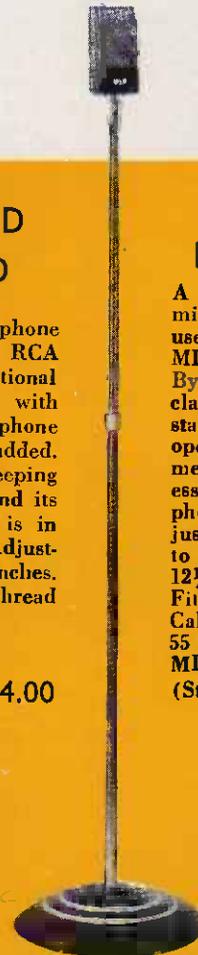
MI-4059—Code CRIFM \$44.45



RCA STANDARD FLOOR STAND

A heavy base, rugged microphone floor stand, for use with any RCA velocity, pressure or uni-directional microphone. Can be used with RCA aerodynamic microphone when adaptor MI-6229 is added. Its modern design is in keeping with today's studio design, and its chromium and black finish is in harmony with all colors. Adjustable from 35 inches to 67 inches. Has ½-inch standard pipe thread fitting. Net weight, 14½ lbs. MI-4068A—Code SCAAL

(Stand only) \$14.00



RCA STUDIO PROGRAM STAND

A handsomely finished program microphone stand. Designed for use with either MI-4027, MI-4036, MI-4048 or MI-4042 Microphones. By the use of a new patented clamping device, the height of the stand may be changed without operating any release or adjustment mechanism, it is only necessary to raise or lower the microphone to the desired height. Adjustable in height from 44 inches to 73¾ inches. Diameter of base, 12¼ inches. Finish: satin-chrome. Fitting: ½" standard pipe thread. Cable guides included. Net weight, 55 lbs.

MI-4090—Code SEEWE (Stand only) \$50.00



RCA AMPLIFIERS



MI-4264

RCA BEAM POWER TUBE AMPLIFIER

- Operates from all High Impedance Microphones
- High Gain—Wide Frequency Response
- Two Inputs—One Microphone, One Phonograph
- Universal Output Transformer
- Beam Power Output Tube—6 Watts

This RCA Amplifier is an excellent foundation unit for small P. A. systems. Its high impedance input works directly from high impedance aerodynamic or velocity microphones. Small, compact amplifier finished in attractive gray and aluminum. An outstanding value in the low price field.

MI-4264—Code SCUYP

\$28.00
Less tubes

SPECIFICATIONS

GAIN—110 db.
FREQUENCY RESPONSE—
db, 100 to 10,000 cycles.
INPUT IMPEDANCE—560
ohms.
OUTPUT IMPEDANCE—0.35
19 ohms (wired for 6 ohms).
TUBES—1 RCA-79, 1 RCA-6
1 RCA-80.
POWER OUTPUT—6 w
maximum.
POWER REQUIRED—105
volts A.C., 50/60 cycles,
watts.
DIMENSIONS—10¼" W.,
H., 6¾" D.
NET WEIGHT—13½ lbs.



MI-4274

RCA 12-WATT AMPLIFIER

- New Type Electric Mixing
- Two Input Positions 250 ohm and 500,000 ohm
- Operates from 110 volts A.C. or 6-volt Battery and Dynamotor

This RCA moderate power amplifier takes its place with other RCA outstanding achievements. Electric mixing of a new type permits two inputs to be mixed in one tube without modulation distortion. High and low impedance inputs, each separately mixed, a continuously variable tone control and a master gain control, gives complete flexibility of operation. The amplifier is attractively styled and finished in silver gray and aluminum lacquer. All controls are conveniently located on a sloping control board.

MI-4274—Code SCQOJ

\$59.00
Less tubes

SPECIFICATIONS

GAIN—95 db—250 ohm input
db—500,000 ohms input.
FREQUENCY RESPONSE—
to 10,000 cycles.
INPUT IMPEDANCE—250
and 500,000.
OUTPUT IMPEDANCE—2
7½, 15 and 250 ohms.
TUBES—1 RCA-1612, 1 R
6N7, 2 RCA-6L6, 1 RCA-5Z
POWER OUTPUT—12 w
watts maximum.
POWER REQUIRED—105
volts A.C., 50/60 cycles,
watts.
DIMENSIONS—14¼" W.,
H., 8" D.
NET WEIGHT—17½ lbs.



MI-4284

RCA 24-WATT AMPLIFIER

- Remote Electric Mixing
Another RCA First
- Permits controls to be located any distance from the Amplifier
- Automatic bass compensation for phonograph input

For those who require up to 24 watts output, this RCA Amplifier is unexcelled. It incorporates the finest circuit design, is extremely flexible in operation and sturdily constructed. Features include high quality shielded input transformers, two low and two high impedance inputs, speech-music switch, continuously variable tone control and pilot lamp. Attractively designed and modern housing finished in silver-gray and aluminum. Genuine remote volume control with its many other features makes this an outstanding general purpose amplifier.

MI-4284—Code SCQUP

\$99.00
Less Tubes and Remote
Volume Control

SPECIFICATIONS

GAIN—107 db.
FREQUENCY RESPONSE—
db, 70 to 10,000 cycles.
INPUT IMPEDANCE—Two
ohms, two-0 to 5,600 ohms.
OUTPUT IMPEDANCE—4,
15, 60 and 250 ohms.
TUBES—2 RCA-1612, 2 R
6N7, 2 RCA-6L6, 1 RCA-5Z
POWER OUTPUT—24 w
POWER REQUIRED—105
volts A.C., 50/60 cycles,
watts.
DIMENSIONS—16¾" W.,
H., 8¾" D.
NET WEIGHT—25 lbs.



MI-4123A

REMOTE VOLUME CONTROL UNIT

This unit provides remote control up to 2,000 feet from the amplifier.
(See page 52 for controls and prices.)

RCA 50-WATT AMPLIFIER



MI-4288



MI-4123

- Remote Electric Mixing
- Volume Expansion for life-like reproduction
- Volume Suppression prevents blasting
- Voltage and Booster Amplifier drives up to ten 50-watt Amplifiers.

RCA proudly presents the finest amplifying equipment ever offered to P.A. users. High power, low distortion, volume expansion and suppression, and a host of other features, make this equipment outstanding in every way. This equipment will meet the most exacting requirements of any large installation.

REMOTE ELECTRIC MIXING

Genuine remote mixing, which can be operated up to 2,000 feet from the amplifier, wired to a compact portable unit small enough to be held in the hand, permits efficient, noiseless control from the best possible location.

VOLTAGE AMPLIFIER—The new MI-4297 Voltage Amplifier as supplied, consists of 2 signal-mixing units, 1 master mixer, 1 suppressor-expander unit and 1 base and control unit. Space is provided for adding additional mixing units. See page 53.

A switch is provided for compensating music and voice pick-up. The expander circuit gives record reproduction a new life-like tone, while the suppressor circuits maintain a constant level of sound.

BOOSTER AMPLIFIER MI-4263—This single tube unit may be added to the Voltage Amplifier when it is desired to drive up to ten 50-watt Amplifiers.

POWER AMPLIFIER—The new MI-4288 Power Amplifier utilizes four beam-power tubes for obtaining its high power, low distortion output. All tubes are operated at conservative ratings, insuring long life. A high frequency tone control provides a 24 db cut at 10,000 cycles. A switch is provided for cutting degeneration in or out of the circuit. A 10 db degeneration circuit is incorporated in the amplifier circuit which provides low distortion and effective loudspeaker dampening, to the extent that the output may be varied from a full load, to a single loudspeaker with only a 20 percent rise in output voltage.



MI-4297



MI-4117



MI-4263

MI-4297/4288 Voltage-Power Amplifier. Code SCQID Complete **\$199.00**
(less tubes)

MI-4297 Voltage Amplifier (only). Code SCOYV **\$93.50**
(less tubes)

MI-4288 Power Amplifier (only). Code SCQAW **\$105.50**
(less tubes)

MI-4263 Booster Amplifier. Code SEHKQ **\$19.80**
(less tubes)

MI-4117 and other signal mixing input units—see page 53.

Remote Control Units (see page 52).

SPECIFICATIONS MI-4297/4288

GAIN—107 db with degeneration. 117 db without degeneration.
FREQUENCY RESPONSE— ± 2 db 50 to 10,000 cycles.
INPUT IMPEDANCE—Two-250 ohms, with provision for 2 additional.
OUTPUT IMPEDANCE—4, 7½, 15, 60 and 250 ohms.
TUBES—Voltage Amplifier: 4 RCA-1612.

1 RCA-6H6. Power Amplifier: 2 RCA-6CS, 4 RCA-6L6, 2 RCA-5Z3.
POWER OUTPUT—50 watts.
POWER REQUIRED—105/125 volts A.C. 50/60 cycles, 260 watts.
DIMENSIONS—Voltage Amplifier: 16" W., 8" H., 11¼" D. Power Amplifier: 16" W., 7½" H., 11¼" D.
NET WEIGHT—Voltage Amplifier: 11 lbs. Power Amplifier: 37 lbs.

RCA 50-WATT AMPLIFIER



MI-4288



MI-4123

- Remote Electric Mixing
- Volume Expansion for life-like reproduction
- Volume Suppression prevents blasting
- Voltage and Booster Amplifier drives up to ten 50-watt Amplifiers.

RCA proudly presents the finest amplifying equipment ever offered to P.A. users. High power, low distortion, volume expansion and suppression, and a host of other features, make this equipment outstanding in every way. This equipment will meet the most exacting requirements of any large installation.

REMOTE ELECTRIC MIXING

Genuine remote mixing, which can be operated up to 2,000 feet from the amplifier, wired to a compact portable unit small enough to be held in the hand, permits efficient, noiseless control from the best possible location.

VOLTAGE AMPLIFIER—The new MI-4297 Voltage Amplifier as supplied, consists of 2 signal-mixing units, 1 master mixer, 1 suppressor-expander unit and 1 base and control unit. Space is provided for adding additional mixing units. See page 53.

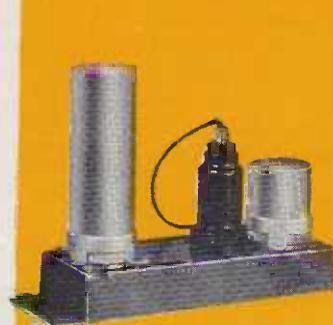
A switch is provided for compensating music and voice pick-up. The expander circuit gives record reproduction a new life-like tone, while the suppressor circuits maintain a constant level of sound.

BOOSTER AMPLIFIER MI-4263—This single tube unit may be added to the Voltage Amplifier when it is desired to drive up to ten 50-watt Amplifiers.

POWER AMPLIFIER—The new MI-4288 Power Amplifier utilizes four beam-power tubes for obtaining its high power, low distortion output. All tubes are operated at conservative ratings, insuring long life. A high frequency tone control provides a 24 db cut at 10,000 cycles. A switch is provided for cutting degeneration in or out of the circuit. A 10 db degeneration circuit is incorporated in the amplifier circuit which provides low distortion and effective loudspeaker dampening, to the extent that the output may be varied from a full load, to a single loudspeaker with only a 20 percent rise in output voltage.



MI-4297



MI-4117



MI-4263

MI-4297/4288 Voltage-Power Amplifier. Code SCQID Complete	Code	\$199.00
		(less tubes)
MI-4297 Voltage Amplifier (only). Code SCOYV	Code	\$93.50
		(less tubes)
MI-4288 Power Amplifier (only). Code SCQAW	Code	\$105.50
		(less tubes)
MI-4263 Booster Amplifier. Code SEHKQ	Code	\$19.80
		(less tubes)
MI-4117 and other signal mixing input units—see page 53.		

Remote Control Units (see page 52).

SPECIFICATIONS MI-4297/4288

GAIN—107 db with degeneration, 117 db without degeneration.
 FREQUENCY RESPONSE—± 2 db 50 to 10,000 cycles.
 INPUT IMPEDANCE—Two-250 ohms, with provision for 2 additional.
 OUTPUT IMPEDANCE—4, 7½, 15, 60 and 250 ohms.
 TUBES—Voltage Amplifier: 4 RCA-1612, 1 RCA-6H6. Power Amplifier: 2 RCA-6CS, 4 RCA-6L6, 2 RCA-5Z3.
 POWER OUTPUT—50 watts.
 POWER REQUIRED—105/125 volts A.C. 50/60 cycles, 260 watts.
 DIMENSIONS—Voltage Amplifier: 16" W., 8" H., 11¼" D. Power Amplifier: 16" W., 7¼" H., 11¼" D.
 NET WEIGHT—Voltage Amplifier: 11 lbs. Power Amplifier: 37 lbs.

RCA SPEAKER MECHANISMS

GIVE OUTSTANDING REPRODUCTION AT LOW COST

RCA Electrodynamic Speaker Mechanism

This highly efficient unit gives excellent reproduction over a frequency range from 80 to 5,000 cycles, and will handle 10 watts continuously. Its small and compact size recommends it for numerous P.A. applications. A hum neutralizing coil gives additional filtering in the voice coil circuit for amplifiers having insufficient filtering. Terminals are provided so that it may or may not be connected in the circuit, as desired.

MI-6245 less Transformer—Code SCADO **\$6.45**

SPECIFICATIONS

VOICE COIL IMPEDANCE—2 ohms.
FIELD RESISTANCE — 1,000 ohms—110-135 volts D.C., 0.1 ampere.
MAXIMUM POWER INPUT—10 watts.
OVERALL DIAMETER—8¼".
OVERALL DEPTH—4".
WEIGHT—Net, 3¼ lbs.; shipping, 5 lbs.



MI-6245

RCA Permanent Magnet Speaker Mechanism

For general P.A. applications, the permanent magnet dynamic speaker is unexcelled. Elimination of field supply units and associated wiring represents a material saving on all installations. This unit, which uses the new Alnico metal for the magnet structure, is compact, sturdy, and is particularly well suited for school classrooms, hotel rooms, call systems or other applications where a powerful unit of moderate size is required. The voice coil is sealed to prevent accumulation of foreign material. The speaker should be installed at least 1 inch from any magnetic material.

MI-6248A with Transformer **\$6.50**
—Code SCAZJ

Recommended for use with MI-6292 Speaker Housing.

SPECIFICATIONS

VOICE COIL IMPEDANCE—2 ohms.
TRANSFORMER IMPEDANCE —225, 410, 1,250, 2,500 and 5,000 ohms.
MAXIMUM POWER INPUT—6 watts.
OVERALL DIAMETER—8¼".
OVERALL DEPTH—4".
WEIGHT—Net, 3 lbs.; shipping, 5 lbs.



MI-6248A

RCA Permanent Magnet Speaker Mechanism

This unit is recommended for installations where large areas, such as dance halls, clubs, swimming pools, etc., are to be covered. It is a large, high power, permanent magnet type that gives high quality reproduction. Features include use of Alnico magnet structure, sealed voice coil, corrugated cone construction and a power handling ability of 10 watts. The speaker must always be mounted at least 1 inch from any magnetic material.

MI-6247A with Transformer— **\$13.50**
Code SCAYI

Recommended for use with MI-4428 Directional Baffle, or MI-6294 Sloping Type Walnut Cabinet.

SPECIFICATIONS

VOICE COIL IMPEDANCE—2 ohms.
TRANSFORMER IMPEDANCES —225, 410, 1,250, 2,500 and 5,000 ohms.
MAXIMUM POWER INPUT—10 watts.
OVERALL DIAMETER—12¼".
OVERALL DEPTH—6¾".
WEIGHT—Net, 6½ lbs.; shipping, 8½ lbs.



MI-6247A

RCA High Fidelity Electrodynamic Speaker Mechanism

This ruggedly designed speaker unit is for use in applications where unusually high quality reproduction is required. It uses an aluminum voice coil which extends the higher range above 7,000 cycles, while excellent low frequency response is also obtained. A self-contained matching transformer has a wide variety of input impedances from 800 to 8,800 ohms. Dust shields are provided for the cone while a complete housing covers the field coil.

MI-6243 with Transformer— **\$22.50**
Code CROVW

Recommended for use with MI-4428 Directional Baffle.

SPECIFICATIONS

VOICE COIL IMPEDANCE—12 ohms.
TRANSFORMER IMPEDANCE —800-8800 ohms.
MAXIMUM POWER INPUT—10 watts.
FIELD RESISTANCE — 1,100 ohms (110 volt 100 m.a.).
FINISH—Black wrinkle.
WEIGHT—Net, 21½ lbs.; shipping, 25 lbs.



MI-6243

RCA High Fidelity Electrodynamic Speaker

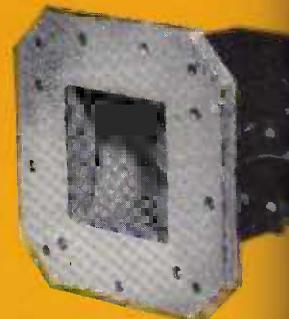
This rugged high fidelity unit has been developed for use with RCA directional baffles for reinforcing music or stage presentations where life-like quality is a necessity. It is the same speaker that is used with RCA Theatre Equipment. Uses a special aluminum voice coil. The cone has been reduced to six inches in diameter and loaded with a 4-inch square aluminum throat to reduce the length of the directional projector.

MI-1425A (110-volt field) less Transformer— **\$44.45**
Code CRAYM

Recommended for use with MI-1469 Directional Baffle.

SPECIFICATIONS

VOICE COIL IMPEDANCE—15 ohms.
MAXIMUM POWER INPUT—10 watts.
FIELD EXCITATION—10 to 18 volts.
FIELD VOLTAGE—MI-1425A —100 to 140 volts, 100 m.a.
OVERALL DIMENSIONS—8" x 8" x 8".
WEIGHT—Net 26 lbs.; shipping, 30 lbs.



MI-1425A

DIRECTIONAL BAFFLES AND SPEAKER HOUSINGS

Regardless of where or how a speaker must be placed, RCA has a directional baffle or housing to meet every requirement. Wood or metal directional baffles and beautiful walnut finish sloping front wood housings designed especially to work with RCA speakers for maximum performance.

RCA WIDE ANGLE SOUND BAFFLE

An excellent baffle for sound truck or general outdoor use. Made of heavy gauge aluminum. Supplied with a snap-on weatherproof cover. Rear cover lined with acoustic felt. All necessary hardware is supplied for mounting RCA MI-6247-A or similar 12-inch cone speakers. Size: Overall length, 20 inches; diameter of bell, 17 inches. Net weight, 6 lbs.

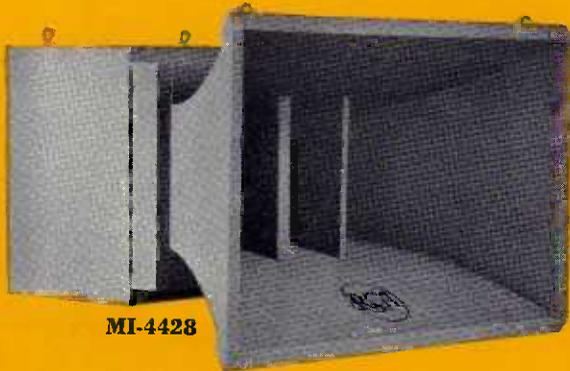
MI-4420—Code, SEGIP **\$13.00**
Less mounting bracket

RCA Auto Top and Wall Mounting Bracket designed for mounting MI-4220 Baffle. Equipped with wall flange and swivel adjustment.

MI-4421—Code, SEGHO **\$4.50**



MI-4420



MI-4428

RCA DIRECTIONAL SOUND BAFFLE

This efficient short baffle is designed for use with RCA 12-inch speaker units such as MI-6243 and MI-6247-A. It features an extremely wide distribution angle (80° horizontal, 50° vertical) and includes high frequency equalizers for obtaining a smooth overall response. A new elastic gray wrinkle-baked finish withstands severe changes in climatic conditions. While not entirely weatherproof, this baffle may be used outdoors and is provided with a shield to protect the cone from adverse weather conditions. Size: Length, 27 inches, width 27¼ inches, height, 17¼ inches. Net weight, 28 lbs.

MI-4428—Code, SCAEP **\$22.50**
Less speaker unit

RCA CELLULAR BAFFLE

Where space is limited and acoustical problems are difficult, the MI-1469 sound projector will solve the problem. Only 25 inches long, and having a high low-frequency cut-off, boominess of voice is eliminated and music is clear and crisp. The distribution angle is 60° both horizontally and vertically. The cellular construction of this baffle insures excellent high frequency distribution. Dimensions: Length, 25 inches; width, 25 inches; height, 25 inches. Net weight, 50 lbs. Fits MI-1425-A Speaker Unit.

MI-1469—Code, SEJAE **\$50.45**
Less speaker



MI-1469



MI-6296

RCA SPEAKER HOUSING (METAL)

For RCA MI-6248A or similar 8" speaker units. Finish: brown wrinkle lacquer. Dimensions: 9½" diameter, 4" D. Net weight: 2 lbs.

MI-6296 Code SCILO **\$3.80**
(Less speaker)

MI-6293



RCA SEMI-FLUSH HOUSING

For MI-6248A speaker. Finish: walnut. Dimensions: 11¼" W., 13¾" H., 4¼" D. Net weight: 2 lbs. Use with MI-6161 Wall Box. Illustrated on Page 52.

MI-6293 Code SCINX **\$7.55**
(Less speaker & wall box)

MI-6292



RCA STANDARD SLOPING FRONT SPEAKER HOUSING

For RCA MI-6248A or similar 8" speaker units. Finish: walnut. Dimensions: 10 5/16" W., 12½" H., 7½" D. Net weight: 3 lbs.

MI-6292 Code SCIFI **\$8.35**
(Less speaker)

MI-6294



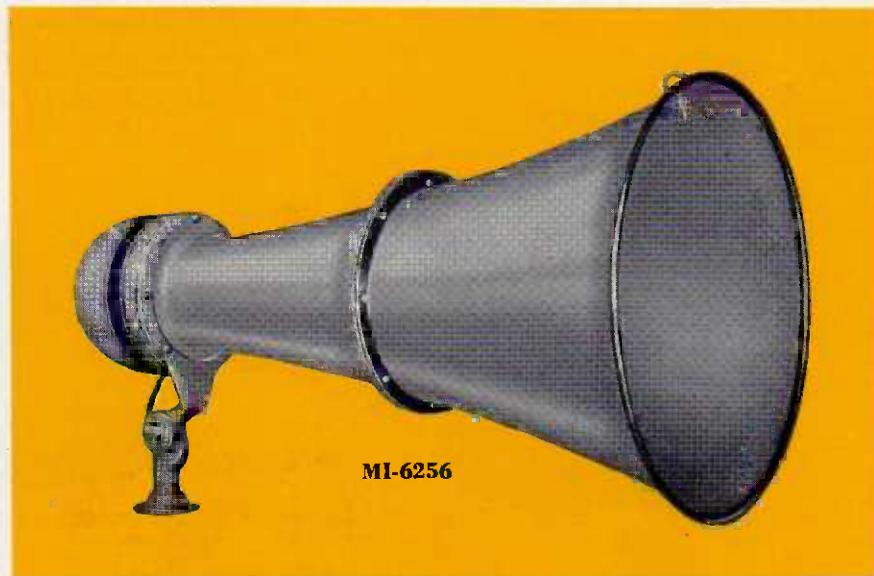
RCA STANDARD (LARGE) SLOPING FRONT SPEAKER HOUSING

For RCA MI-6247A or similar 12" speaker units. Finish: walnut. Dimensions: 14½" W., 16½" H., 10½" D. Net weight: 4 lbs.

MI-6294 Code SCESC **\$8.90**
(Less speaker)

RCA POWER SOUND PROJECTORS

For long distance projection of sound, the RCA Super-Power Projector will be found to give excellent results. It is a metal horn-projector, uses a heavy permanent-magnet speaker unit and handles up to 100 watts of power. In actual



tests this speaker has projected speech for distances of more than 4,000 feet. A bank of these super-power projectors will adequately cover large scale events such as inaugurations, boat races, air meets, and others for which ordinary loud-speakers prove insufficient. Frequency response 100 to 7,000 cycles. Distribution angle, 70 degrees. Length, 40 $\frac{1}{4}$ inches. Bell diameter, 20 inches. Mounting requirement, standard 1 $\frac{1}{4}$ -inch pipe fitting. Voice coil impedance 15 ohms. Finish: grey.

MI-6256—(100 watts). Code, SEBUF.
Weight, 70 lbs. \$265.00

MI-6255—(60 watts). Same physical specifications as MI-6256. Code, SEBPA.
Weight, 58 lbs. \$197.50

- Projects sound nearly a mile
- No field supply required
- Wide distribution angle
- High power handling capacity
- Excellent quality reproduction
- Sturdy weatherproof construction



MEDIUM POWER SOUND PROJECTOR

This 25-watt projector is the Junior member of the family of RCA high power sound projectors. It is similar in design to RCA 60-watt and 100-watt super-power projectors. High quality and efficiency combined with medium power and light weight make this speaker ideal for general indoor or outdoor use.

Length, 29 $\frac{3}{4}$ inches. Bell diameter, 18 $\frac{1}{2}$ inches. Voice coil impedance, 15 ohms. Finish, gray wrinkle and black. Net weight, 19 $\frac{1}{2}$ lbs.
MI-6260—Code, SEFXE \$89.00

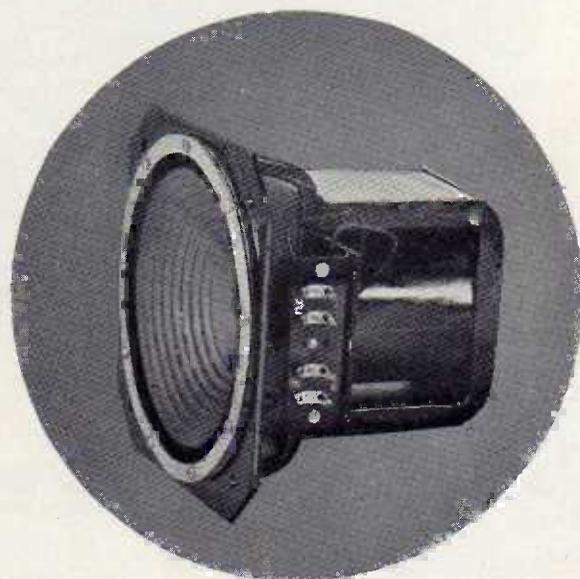
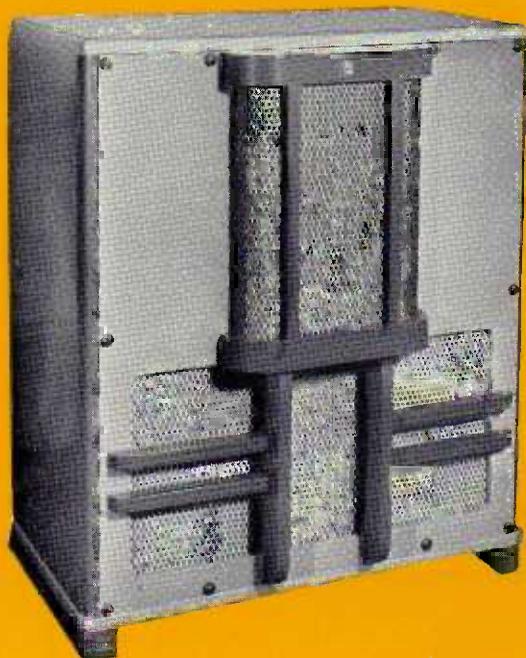


Photo (above) shows how RCA Power Sound Projectors are used by the Atlantic City, N. J., Beach Safety Patrol to protect patrons of this world famous beach. Timely warnings caution venturesome bathers. Beach guards off shore are quickly called to aid bathers.

RCA High Fidelity CONSOLE

LOUDSPEAKER

For the most exacting requirements in music rooms, hotel lobbies or any place where quality of reproduction is a factor of prime importance, the RCA High Fidelity Console Loudspeaker is recommended. The wide frequency response of this speaker results in life-like reproduction of music and voice that is uncanny in its realism. So faithful is it to the original that broadcasting studios use it for monitoring their programs.



SPECIFICATIONS

Frequency Response—Substantially flat 60 to 10,000 cycles.
Speaker Voice Coil Impedance—15 ohms.
Maximum Power Input—10 watts.
Speaker Dimensions—Face, 8" x 8"; depth, 7".
Cabinet Dimensions—33 $\frac{1}{8}$ " H., 28 $\frac{1}{4}$ " W., 16 $\frac{1}{2}$ " D.
Finish—Black and aluminum or two-tone umber grey.
Net Weight Cabinet—71 $\frac{1}{2}$ lbs.
Net Weight Speaker Unit—18 $\frac{1}{2}$ lbs.
Shipping Weight Cabinet—100 lbs.
Shipping Weight Speaker Unit—23 lbs.
Cabinet Material—Wood.

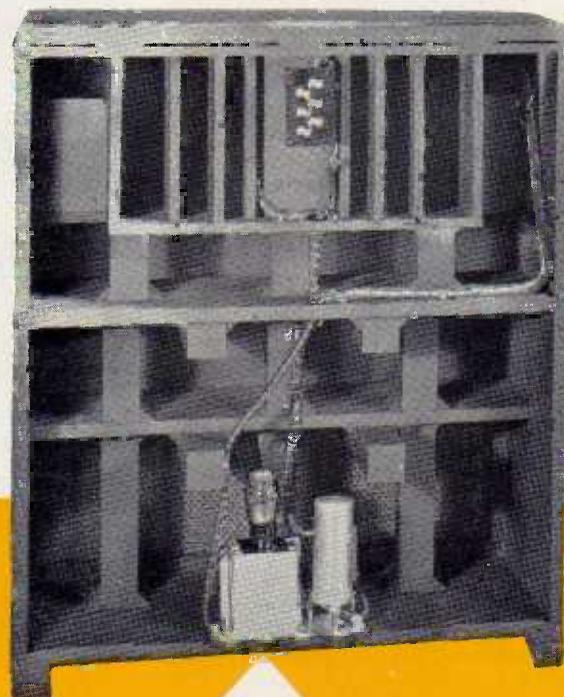
This splendid aluminum double voice coil speaker insures smooth acoustic output of highest quality.

The cabinet with its scientific tone chamber and diffusing grill together with the double voice coil speaker unit are co-ordinated in design to produce the utmost in acoustical response. The cabinet is styled in today's trend. Finished in black and aluminum or two-tone umber grey.

MI-4435-A/4466-A (Black and Aluminum) Code SCHYB \$155.55
(Less field supply)

MI-4432-A/4466-A (Two-Tone Grey) Code SEIDI \$166.65
(Less field supply)

MI-4354—Code SEFIQ—Field Supply (Uses type 80 tube) \$35.00
(Less tube)

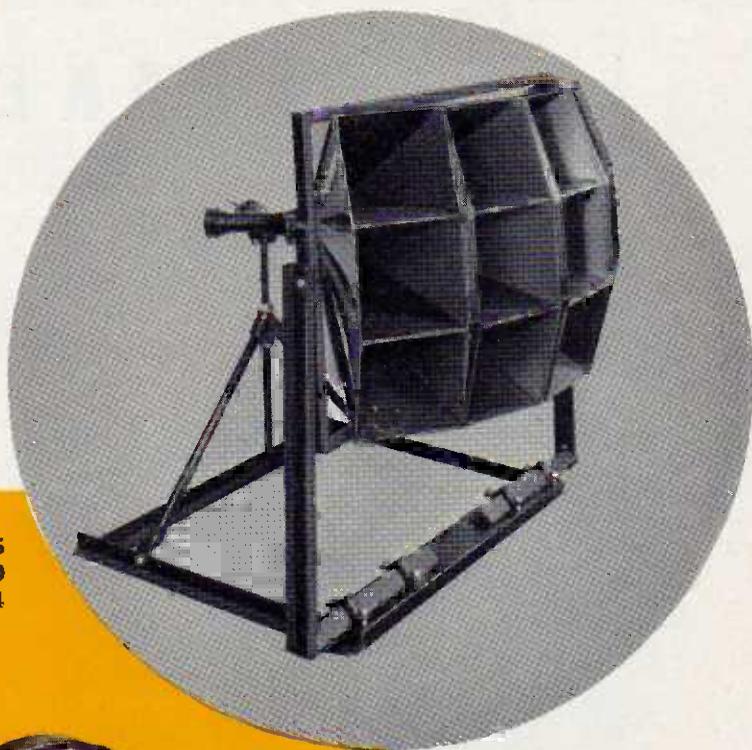


Photograph at the right shows the scientifically designed baffle chamber which permits such amazingly fine quality. Also shown mounted in the speaker cabinet is the loudspeaker field supply unit.

RCA SPEAKERS FOR

RCA CELLULAR LOUDSPEAKERS

Cellular type loudspeakers are excellent for the projection and uniform distribution of high-frequencies over large areas where the finest quality of sound reproduction is required. This type of loudspeaker is normally used in conjunction with a low frequency speaker of the flat or folded baffle type and an electrical dividing network which divides the frequency range so as to pass only low-frequencies to the low frequency speaker and high-frequencies to the high frequency speaker, thereby permitting close adjustment of the high and low frequency response for accurate balance. One or two driving mechanisms may be used with each cellular baffle depending on the power and coverage requirements. RCA Cellular Baffles are furnished in 12 or 15 cell design, less mounting bracket, throat, adaptor and drive mechanism.



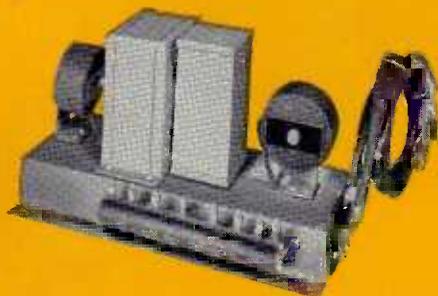
MI-9485
MI-9420
MI-9494



MI-9445



MI-9446



MI-12406

CELLULAR BAFFLE MI-9485

12 cell baffle, size: width 31", height 25", length 26½". Distribution angle: vertical 70 degrees, horizontal 70 degrees. Net weight, 58 lbs. Code SEMYZ.

CELLULAR BAFFLE MI-9486

15 cell baffle, size: width 41¾", height 25", length 27½". Distribution angle: vertical 70 degrees, horizontal 87½ degrees. Net weight, 69 lbs. Code SENAA.

MOUNTING BRACKET MI-9420

Mounting bracket with screw type adjustment for pointing speaker. Suitable for either 12 or 15 cell baffle. Code SENQQ.

BAFFLE THROAT (SINGLE) MI-9493

Single throat for either 12 or 15 cell baffle when single drive mechanism is used. Code SEOBA.

BAFFLE THROAT (DOUBLE) MI-9494

Double throat for either 12 or 15 cell baffle when two drive mechanisms are used. Code SEOFE.

DRIVE MECHANISM AND ADAPTOR MI-9445/9453

Drive mechanism and adaptor for 12 or 15 cell baffles, metal diaphragm, permanent magnet type. Code SEOGH.

CROSSOVER NETWORK MI-12406

Crossover network for 12 or 15 cell baffles when used in conjunction with low frequency speaker. (650 cycle network.) Code SEORQ.

LOW FREQUENCY SPEAKER UNIT MI-9446

Low Frequency Speaker Unit. An excellent permanent field, 15" felted paper diaphragm, low frequency unit ready to mount in flat or folded baffle for use in conjunction with RCA 12 or 15 cell loudspeakers. Code SEOTS.

Prices on request.

SPECIAL APPLICATIONS



RCA PROSCENIUM
LOUDSPEAKER UNIT
MI-9429

The RCA Proscenium Loudspeaker Unit is a new idea in loudspeakers which overcomes many of the difficulties encountered where speakers must be mounted at the sides or over the top of stage proscenium openings, or in the wall. This unit has a flanged bell which permits it to be attached to a small diameter opening in a wall or baffle. This feature, together with a permanent field dynamic unit, acoustic throat for full range response—compact in size yet powerful, makes it ideal for concealed speaker work. Voice coil impedance, 15 ohms. Frequency response, 60-7,500 cycles. Power Input, 20 watts. Size: Diameter of bell mouth, $12\frac{7}{8}$ " ; diameter of mounting holes, $13\frac{5}{8}$ " ; length, $21\frac{3}{4}$ ". Net weight, 17 lbs.

MI-9429—Code SEPOM

\$133.35



MI-9429

RCA DE LUXE LOUDSPEAKER UNIT

MI-4461

(with double voice coil for wide frequency response)

This De Luxe Loudspeaker unit offers a means of converting fine old cabinets into high quality loudspeaker consoles or of providing a loudspeaker for especially built cabinets intended to fit that vacant nook in a den or under a staircase. Also ideal as a built-in wall speaker. Size of cone, 8" ; voice coil impedance, 15 ohms ; field voltage, 110 V. Net weight, 25 lbs.

MI-4461—Code, SCAQA

\$44.45



MI-4461

SPECIAL APPLICATIONS



RCA PROSCENIUM
LOUDSPEAKER UNIT
MI-9429

The RCA Proscenium Loudspeaker Unit is a new idea in loudspeakers which overcomes many of the difficulties encountered where speakers must be mounted at the sides or over the top of stage proscenium openings, or in the wall. This unit has a flanged bell which permits it to be attached to a small diameter opening in a wall or baffle. This feature, together with a permanent field dynamic unit, acoustic throat for full range response—compact in size yet powerful, makes it ideal for concealed speaker work. Voice coil impedance, 15 ohms. Frequency response, 60-7,500 cycles. Power Input, 20 watts. Size: Diameter of bell mouth, 12 $\frac{7}{8}$ "; diameter of mounting holes, 13 $\frac{5}{8}$ "; length, 21 $\frac{3}{4}$ ". Net weight, 17 lbs.

MI-9429—Code SEPOM

\$133.35



MI-9429



MI-4461

RCA DE LUXE LOUDSPEAKER UNIT

MI-4461

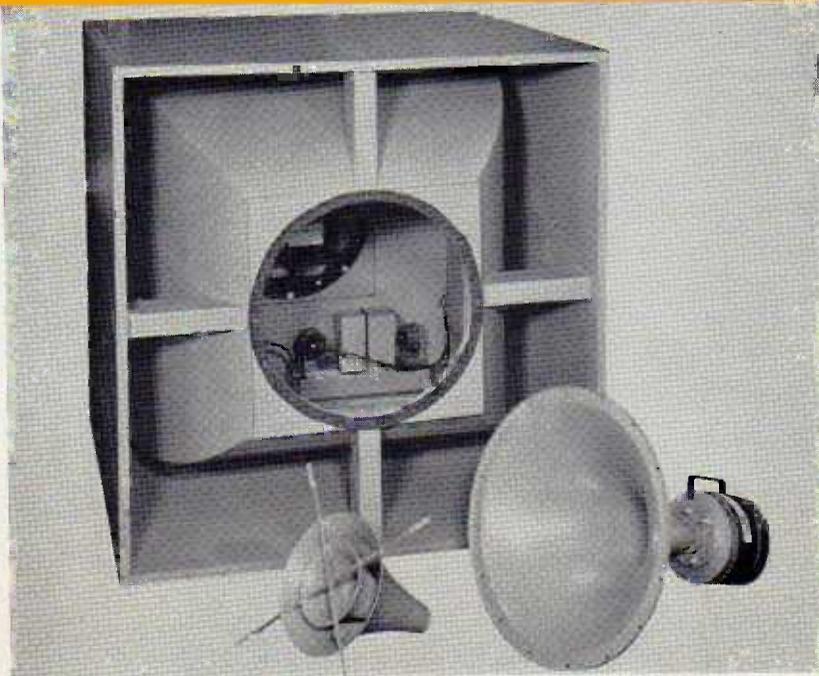
(with double voice coil for wide frequency response)

This De Luxe Loudspeaker unit offers a means of converting fine old cabinets into high quality loudspeaker consoles or of providing a loudspeaker for especially built cabinets intended to fit that vacant nook in a den or under a staircase. Also ideal as a built-in wall speaker. Size of cone, 8"; voice coil impedance, 15 ohms; field voltage, 110 V. Net weight, 25 lbs.

MI-4461—Code, SCAQA

\$44.45

RCA TWIN POWER SPEAKER



An exploded view of the new RCA Twin Power Speaker with high frequency horn unit removed to show mounting of low frequency unit and crossover unit within the speaker chamber.

The new RCA Twin Power, high quality speaker is designed to meet the need for handling both voice and music at high power for projection over large areas. Advanced frequency response with exceptional uniform distribution makes it possible to hear all reproduced frequencies anywhere within the angle of distribution. Originally developed for The New York World's Fair and the San Francisco Golden Gate International Exposition, where they are used in large numbers to cover tremendous areas.

MI-6264—Code, SEMST

\$489.00

SPECIFICATIONS

- POWER INPUT—40 watts (complex wave).
- HIGH FREQUENCY UNIT—Permanent Magnet Field.
- LOW FREQUENCY UNIT—15" Dynamic—Permanent Magnet Field.
- FREQUENCY RESPONSE—60 to 10,000 cycles.
- INPUT IMPEDANCE—15 ohms.
- CABINET—Wood with gray finish.
- CROSSOVER NETWORK—650 cycles.
- DISTRIBUTION ANGLE—55 degrees at 1,000 cycles.
- DIMENSIONS—36" x 36" x 36".
- NET WEIGHT—224 lbs.

- Remarkable quality at High Power (40 watts complex wave)
- Permanent Field Speakers
- No External Field Excitation Required
- Highly Efficient (more output per watts input)
- Smooth Overall Frequency Response
- Exceptional Uniform Distribution
- Crossover Network Installed at Factory
- Can be serviced from front or rear
- Ideal for Auditoriums, Theaters and Outdoor Installations



The RCA Twin Power Speaker in combination with RCA 24-watt or 50-watt amplifiers and velocity, uni-directional or three-way microphones, offers a selection of a wide variety of complete sound systems which provide the finest quality high power reproduction.

RCA COMPLETE SOUND SYSTEMS

HOW TO CHOOSE THE PROPER SYSTEM FOR YOUR INSTALLATION

The RCA Sound Systems described in this catalog are grouped to cover a wide variety of applications. However, it should be remembered that it is both impractical and impossible to attempt to list a system for every application inasmuch as many installations are extremely individual in their character. The basic systems represent the fundamental equipment required, to which may be added additional microphones, speakers, baffles, remote controls, etc., as required by a particular

job. Should you desire additional information concerning the grouping of equipment or recommendations for a specific job, send your inquiry to your RCA Commercial Sound Distributor, or to RCA Manufacturing Co., Camden, N. J.

The following table gives a few suggestions for the type of equipment for a typical installation. While it is reasonably accurate, some deviations may be found for individual installations.

	SERIES 6	SERIES 12	SERIES 24	SERIES 50	SERIES 200	TWIN-POWER SERIES	SEE PAGE
ports				★	★		43-44
open air applications where high power is required					★		44-45
amusement parks			★	★	★	★	42-43-45
auditoriums				★			43
athletic fields				★	★		43-44
banquet rooms	★						40
auditoriums			★			★	42-45
auditoriums (large)				★		★	43-45
bill parks				★	★		43-44
bluetooth systems	★						40
beaching beaches				★	★		43-44
border gardens		★				★	41-45
border gardens (small)	★		★				40-42
bowling alleys	★	★					41
bowling alleys (small)	★						40
bus stations		★	★				41-42
bus stations (small)	★						40
cafeterias				★		★	43-45
churches			★	★		★	42-43-45
churches (small)		★					41
conventions				★			43
country clubs			★				42
counter demonstrators	★						40
dance halls			★			★	42-45
dance studios			★				42
department stores			★				42
department stores (small)		★					41
drug stores	★						40
exhibits and expositions					★	★	44-45
hotel hallrooms			★			★	42-45
industrial plants				★			43
lecture rooms	★	★	★				40-41-42
lecture rooms			★				42
class meetings			★		★		44
night clubs		★	★				41-42
orchestras			★				42
race tracks			★	★			43
railroad stations		★	★				41-42
railroad stations (small)	★						40
restaurants		★					41
restaurants (small)	★						40
shops				★	★		43-44
swimming rinks			★	★		★	42-43-45
band trucks		★		★			41-43
exhibition arenas				★		★	43-45
stadiums				★	★	★	43-44-45
S. piers			★	★			42-43
traffic control		★	★				41-42
lighting stations	★						40
window demonstrators	★						40

Note: RCA Electric Chimes (MI-4766 or MI-4771) may be used as an additional input source with any of the above sound systems.

RCA SERIES 6 SYSTEM



A quality RCA system for small announce purposes, counter call service, window and store demonstrations and many other P.A. applications requiring low power of high quality.

Paging

Window Announcing

Kitchen Call System

Bingo Games

Small Halls

Bowling Alleys

Pool Rooms

Stock Rooms

Coal Yards

Lumber Yards

Freight Platforms



MI-4264



MI-6228



MI-6248A

Suitable for hundreds of uses where small, compact units are desired to cover relatively small audiences. This equipment is of traditional RCA quality has excellent performance and is priced within the range of thousands of users.

The RCA Aerodynamic Microphone is one of the best designed for P.A. equipment; it requires no excitation power, has a 30-foot shielded cable, and has excellent frequency characteristics. It is mounted on an attractive chromium stand, having a heavy black base. The amplifier is the popular RCA Beam-Power Tube amplifier which has outstanding frequency characteristics and uses a beam-power output tube. The speaker is a rugged 8 $\frac{1}{4}$ -inch permanent magnet type, designed for heavy P.A. service. The entire equipment is engineered to function as a unit, thereby avoiding difficulties encountered when merely a collection of components of various manufacture is used.

SERIES 6-1

- 1 MI-6228 Aerodynamic Microphone
 - 1 MI-6227 Desk Stand
 - 1 MI-4264 Amplifier
 - 1 MI-6248-A 8 $\frac{1}{4}$ " Permanent Field Dynamic Speaker Unit
- Series 6-1—Less tubes
Code SECDO \$59.10

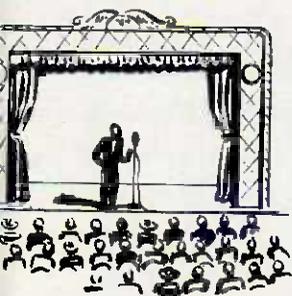
SERIES 6-2

- 1 MI-4068A Floor Stand
 - 1 MI-6228 Aerodynamic Microphone
 - 1 MI-4264 Amplifier
 - 1 MI-6248A 8 $\frac{1}{4}$ " Permanent Field Dynamic Speaker
- Series 6-2—Less tubes
Code SEBEQ \$70.45

- MI-6292 Walnut Surface Housing for MI-6248-A Speaker Unit \$8.35
- Additional Speaker Mechanisms, MI-6248A, each \$6.50



RCA SERIES 12 SYSTEM



A high quality, moderately priced RCA Sound System for bowling alleys, lunch rooms, small night clubs and other medium-power applications of sound equipment.

- Night Clubs
- Churches
- Schools
- Clubs
- Factories
- Hockey Rinks
- Hospitals
- Recreation Centers
- Camps
- Fairs
- Gymnasiums



MI-6248A



MI-4274



MI-4036



MI-4068A

The RCA Series 12 equipment is well adapted to that large field of P.A. users where high quality and medium power, at a price all can afford, is required. Small churches, bus stations, small department stores—the field for this equipment is almost unlimited, with RCA quality at an attractive price.

The Series 12-1 equipment consists of an RCA Aerodynamic Microphone complete with an attractive floor stand, a powerful 12-watt amplifier having a maximum output of 19 watts, and two heavy duty permanent field dynamic loudspeakers. The Series 12-2-3 and 4 systems include better microphones and speakers, as shown. All are built to do a real job—all are outstanding values at these attractive prices.

Series 12-1—1 MI-6226 Aerodynamic Microphone; 1 MI-4068A Floor Stand; 1 MI-4274 Amplifier Unit; 2 MI-6248A 8 $\frac{1}{4}$ " Permanent Field Dynamic Speaker Units. Series 12-1—Code SEBIU \$105.95 less tubes

Series 12-2—Same as Series 12-1, but with RCA Junior Velocity Microphone MI-4036. Series 12-2—Code SECEP \$120.50

Series 12-3—Same as Series 12-1, but with two MI-6247A 12 $\frac{1}{4}$ " heavy duty permanent field speaker. Series 12-3—Code SECHS \$119.95

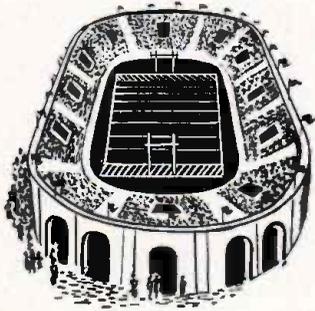
Series 12-4—Same as Series 12-3, but with RCA MI-4036 Junior velocity microphone. Series 12-4—Code SECIT \$134.50

MI-6292 Walnut Speaker Housings for MI-6248A Speaker Unit, each, \$8.35

MI-6294 Walnut Surface Cabinets for MI-6247A Speaker Unit, each, \$8.90

MI-4428 27" Directional Baffles for MI-6247A Speaker Unit, each, \$22.50

RCA SERIES 200 SYSTEM



SUPER POWER PLUS—and that only begins to tell the story. Heretofore, sound coverage of large areas has been accomplished by using a large number of speakers to obtain adequate sound distribution. Now, however, with the RCA Series 200 System using four of the new **MI-6256** Sound Projectors, adequate coverage of outdoor audiences up to 100,000 persons is easily accomplished. In actual tests, this system has delivered crisp, natural speech and smooth, musical reproduction at a distance of 4,000 feet from the loudspeakers—nearly a mile. Where the utmost in directed power and quality is necessary, the RCA Series 200 System is the only answer available today.

Stadiums

Arenas

Parks

Football Fields

Baseball Parks

Swimming Pools

Race Tracks

Motordromes

Large Fairs

Beaches



MI-6256



MI-4297

MI-4036

USES NEW SPEAKERS

One of the major reasons for the outstanding results obtained with the Series 200 System, is the new RCA Directional Speaker. These speakers are of an entirely new design, utilizing a powerful permanent field type dynamic unit and having an individual capacity of 100 watts. No field excitation power is required.



MI-4288



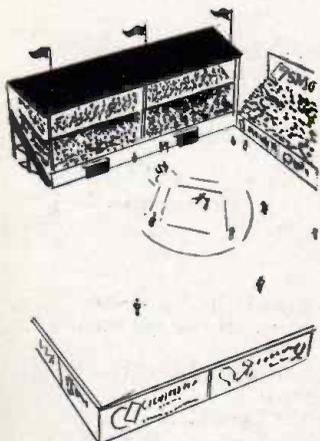
MI-4123

REMOTE ELECTRIC MIXING

Remote electric mixing is an RCA development which permits control of mixing and volume up to 2000 feet from the amplifier by simple wire connections to the compact control unit.



MI-4068A



SERIES 200

- 1 MI-4036 Junior Velocity Microphone (30 foot cord)
- 1 MI-4068A Floor Stand
- 1 MI-4297 Voltage Amplifier
- 1 MI-4263 Booster Amplifier
- 4 MI-4288 Power Amplifiers
- 4 MI-6256 High Power Directional Speakers
- 1 MI-4123 Remote Control Unit

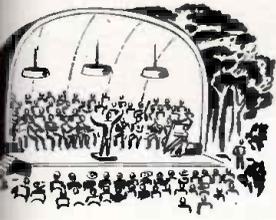
Code SECYI

\$1653.80
(less tubes)

All microphones, stands, pre-amplifier units, remote mixing units, record players and chimes listed in this catalog may be used with this system as additional equipment.

RCA TWIN POWER 100 WATT SERIES

THE FINEST SOUND SYSTEM FOR HIGH POWER
HIGH QUALITY VOICE and MUSIC REPRODUCTION.



Band Shells

Outdoor Opera

Music Festivals

Electric Carillon

Music Halls

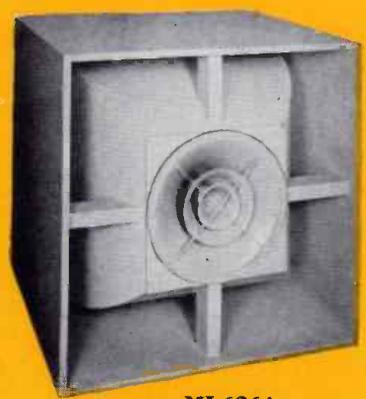
Auditoriums

Stadiums

Theatres

Parks

Memorials



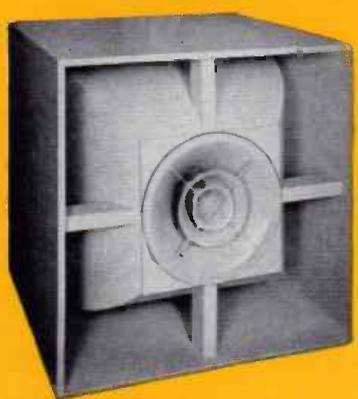
MI-6264



MI-4728



MI-4731



Designed especially to meet the exacting requirements of music lovers, the RCA Twin Power Series System fills a long felt need for sound equipment capable of reproducing the widest possible range of frequencies at high power for projection over large indoor or outdoor areas.

The RCA Twin Power Speakers, latest type uni-directional microphones, the famous RCA "50" amplifiers housed in neat crackle grey metal cabinets combine to make this the most advanced sound system.

TWIN POWER SERIES SYSTEM

- 2 MI-6264 Twin Power Speakers.
- 4 MI-4042 Uni-Directional Microphones (less stands).
- 1 MI-4297 Voltage Amplifier.
- 1 MI-4263 Booster Amplifier.
- 2 MI-4288 Power Amplifiers.
- 1 MI-4728 Metal Cabinet.
- 1 MI-4731 Metal Cabinet.
- Code SEQHE

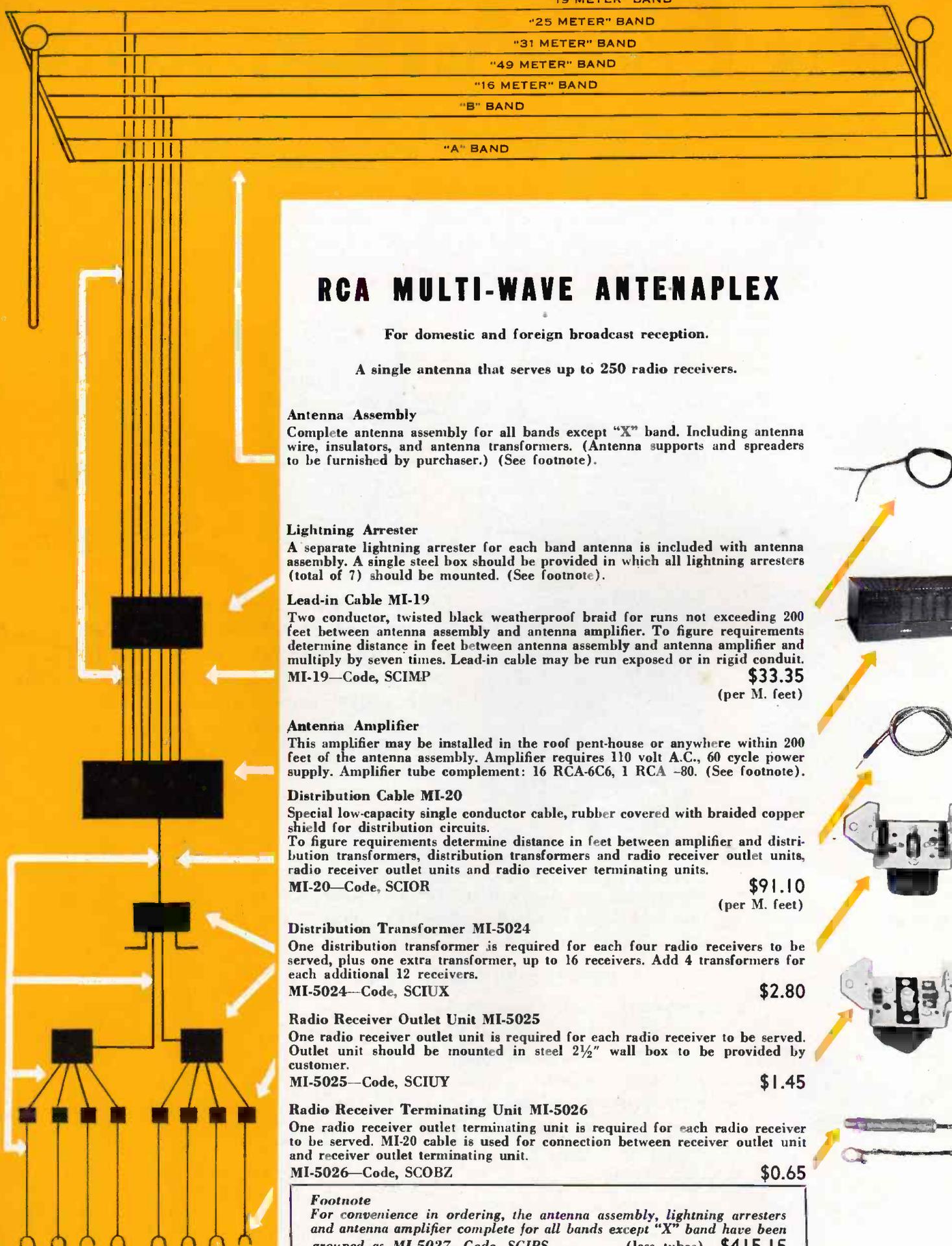


MI-4042



\$1927.40
(less tubes)





RCA MULTI-WAVE ANTENAPLEX

For domestic and foreign broadcast reception.

A single antenna that serves up to 250 radio receivers.

Antenna Assembly

Complete antenna assembly for all bands except "X" band. Including antenna wire, insulators, and antenna transformers. (Antenna supports and spreaders to be furnished by purchaser.) (See footnote).

Lightning Arrester

A separate lightning arrester for each band antenna is included with antenna assembly. A single steel box should be provided in which all lightning arresters (total of 7) should be mounted. (See footnote).

Lead-in Cable MI-19

Two conductor, twisted black weatherproof braid for runs not exceeding 200 feet between antenna assembly and antenna amplifier. To figure requirements determine distance in feet between antenna assembly and antenna amplifier and multiply by seven times. Lead-in cable may be run exposed or in rigid conduit.

MI-19—Code, SCIMP

\$33.35

(per M. feet)

Antenna Amplifier

This amplifier may be installed in the roof pent-house or anywhere within 200 feet of the antenna assembly. Amplifier requires 110 volt A.C., 60 cycle power supply. Amplifier tube complement: 16 RCA-6C6, 1 RCA -80. (See footnote).

Distribution Cable MI-20

Special low-capacity single conductor cable, rubber covered with braided copper shield for distribution circuits.

To figure requirements determine distance in feet between amplifier and distribution transformers, distribution transformers and radio receiver outlet units, radio receiver outlet units and radio receiver terminating units.

MI-20—Code, SCIOR

\$91.10

(per M. feet)

Distribution Transformer MI-5024

One distribution transformer is required for each four radio receivers to be served, plus one extra transformer, up to 16 receivers. Add 4 transformers for each additional 12 receivers.

MI-5024—Code, SCIUX

\$2.80

Radio Receiver Outlet Unit MI-5025

One radio receiver outlet unit is required for each radio receiver to be served. Outlet unit should be mounted in steel 2½" wall box to be provided by customer.

MI-5025—Code, SCIUY

\$1.45

Radio Receiver Terminating Unit MI-5026

One radio receiver outlet terminating unit is required for each radio receiver to be served. MI-20 cable is used for connection between receiver outlet unit and receiver outlet terminating unit.

MI-5026—Code, SCOBZ

\$0.65

Footnote

For convenience in ordering, the antenna assembly, lightning arresters and antenna amplifier complete for all bands except "X" band have been grouped as MI-5027. Code, SCIPS (less tubes) **\$415.15**

Same as above but including "X" band. MI-5027A. Code, SCIRU.

(less tubes) **\$531.95**



RCA STANDARD BROADCAST ANTENAPLEX

A single antenna that serves up to 500 radio receivers.

Antenna

The Antenna for this system should consist of a single wire 50 to 150 feet in length (7 strand No. 22 Phosper Bronze), "L" type antenna properly supported as high above the roof as possible. The antenna should be erected at right angle to adjacent power or light wiring. Antenna wire and supports to be furnished by purchaser.

Antenna Transformer MI-5018

The Antenna transformer is an impedance matching device used to enable proper transfer of the signal energy from the antenna to the lead-in cable. This transformer is provided with a clamp for mounting at the top of the antenna support holding the end of the antenna to which the lead-in is connected.

MI-5018—Code, SEJQU **\$2.95**

Lead-in Cable MI-19

Lead-in Cable is identical with lead-in cable described on the opposite page and is used for connection between antenna transformer (MI-5018) and antenna amplifier (MI-5010A).

MI-19—Code, SCIMP **\$33.35**
(per M. feet)

Lightning Arrester MI-5014

One lightning arrester required. Arrester should be mounted on antenna supporting pole near antenna transformer.

MI-5014—Code, VLEEW **\$1.00**

Antenna Amplifier MI-5010A

The antenna amplifier for best results should be mounted as close as possible to the antenna, preferably right at the base of the antenna supporting pole. (Amplifier must be protected from weather.) Amplifier requires 110 volts A.C., 60 cycle power supply. Amplifier tube complement: 3 RCA 6C6, 1 RCA-80.

MI-5010A—Code, CZYUD **\$102.95**
(less tubes)

Distribution Cable MI-20

This cable is identical with distribution cable described on the opposite page. A maximum length of 2,000 ft. of distribution cable may be used for each antenna amplifier. Up to 500 radio receiver outlet receptacles may be connected in parallel to this cable. Distribution cable may be run exposed or in rigid conduit.

MI-20—Code, SCIOR **\$91.10**
(per M. feet)

Radio Receiver Outlet Receptacle MI-5028

One receptacle is required for each radio receiver served except the last receiver at the end of the distribution system. This unit consists of one receptacle, one polarized plug, one composition wall plate and screws. Wall box is to be furnished by customer (receptacle and plate fits standard 2½" switch box).

MI-5028—Code, SEJKO **\$2.60**

Radio Receiver Terminating Outlet Receptacle MI-5029

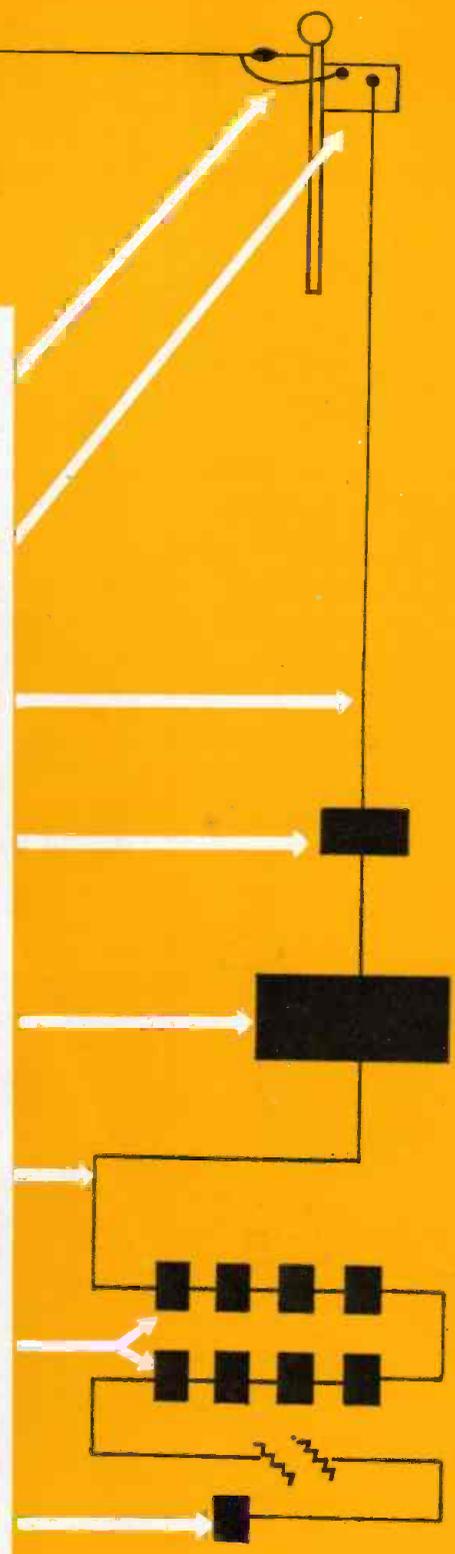
This unit is used to properly terminate the distribution line and also acts as an outlet receptacle for the last radio receiver at the end of the distribution line.

MI-5029—Code, SEJOS **\$2.70**

Standard Broadcast System

Up to 50 receivers may be supplied with this system without use of the antenna amplifier provided:

- Not less than 100 feet of antenna is employed.
- System is located in region of strong signal strength such as is found in metropolitan areas.
- Not more than 500 feet of distribution line and without branch lines.
- The secondary side of the Antenna Transformer should be connected directly to the distribution cable and the cable shield connected to a good ground.



RCA RECORD PLAYERS AND ACCESSORIES



VICTOR SKATING RECORDS

- 35884 My Treasure—Waltz
La Spagnola
- 35927 Blue Danube Waltz
Wedding Dance—Waltz
- 36005 Espanita—Waltz
La Serenata—Waltz
- 36007 Luxembourg Waltz
The Merry Widow Waltz
- 35798 The Skaters—Waltz
Estudiantina—Waltz
- 36003 Sari Waltz
Waltz Dream
- 24487 Waltz Medley
- 24472 Song of the Islands
Waltz You Saved for Me
- 55300 Old Timers Waltz Medley
- 55301 Jolly Waltz Medley



VICTOR CARILLON AND CHIMES RECORDS

- 20629 Impression of London
St. Margaret's Chimes
Westminster
- 24552 Chimes from Tower of
Monastery
Church of Arch Abbey
at Beuron
- 20993 Christmas Bells
Deck and Hall
- 26079 O Little Town of Beth-
lehem
Adeste Fideles (Oh,
Come, All Ye Faith-
ful)

VICTOR CHIMES WITH VIBRAHARP RECORDS

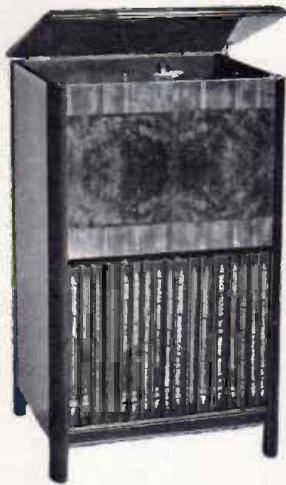
- 25669 Beautiful Isle of Some-
where
Goin' Home (Dvorak)
- 36106 Goin' Home
Beautiful Isle of Some-
where
- 36107 Elegie (Massenet)
The Swan (Saint-Saens)
- 25670 Nearer My God to Thee
Face to Face



MI-4814 Complete turntable housed in an attractive gray carrying case with cover. Size: 28½" W., 14" H., 23¼" D. Net Weight: 82 lbs. Code, SEKVY **\$236.50**

RCA PORTABLE 12" TURNTABLE

This portable 12" turntable has met with wide acceptance for general public address use. The complete assembly is housed in an attractive baked gray wrinkle carrying case ruggedly constructed. A low impedance magnetic pick-up with inertia tone arm assures high quality reproduction. Size: 20" x 15" x 9¼". Net Weight: 24 lbs. Four models are available.



RCA AUTOMATIC RECORD PLAYER AND RECORD CABINET

This automatic record player can be attached to any sound system. It plays eight 10-inch or seven 12-inch records without reloading. Has feather touch crystal pick-up, true tracking tone arm, and spring mounted motor board. Housed in a beautiful walnut cabinet with record storage compartment. Ideal for restaurant dinner music, skating rinks, etc. Size: Height, 32"; Width, 19½"; Depth, 15¼".

Model VA-20. Code, SEPHF **\$59.95** (less albums)

RCA HEAVY DUTY 16" TURNTABLE

This 16" turntable is rim driven by a high torque motor, assuring constant speed (78 R. P. M. or 33½ R. P. M.) for the finest quality reproduction. Controls are included which permit the turntable to be converted into a high quality portable recording unit by adding an RCA MI-4815 or MI-4820 Recording Attachment (see page 24).

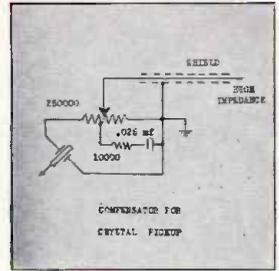


MI-4816 (78 r.p.m.) 110 V. A.C., 60 cycles. Code, SEGBI **\$59.00**

MI-4816A (78 and 33½ r.p.m.) 110 V. A.C., 60 cycles. Code, SEHIO **\$81.20**

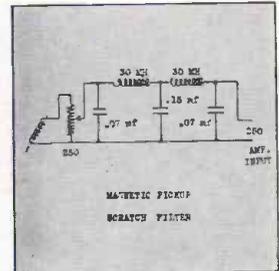
MI-4817 (78 r.p.m.) 6 V. D.C. Code, SEPOO. **\$77.80**

MI-4818 (78 r.p.m.) 110 V. A.C., 50 cycles Code, SEPYW **\$59.00**



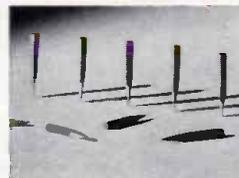
Crystal Pick-up Compensator

Suggested compensation for crystal pick-up when used with Public Address Systems of medium or high power. Compensation circuit should be isolated by shielding.



Needle Scratch Filter

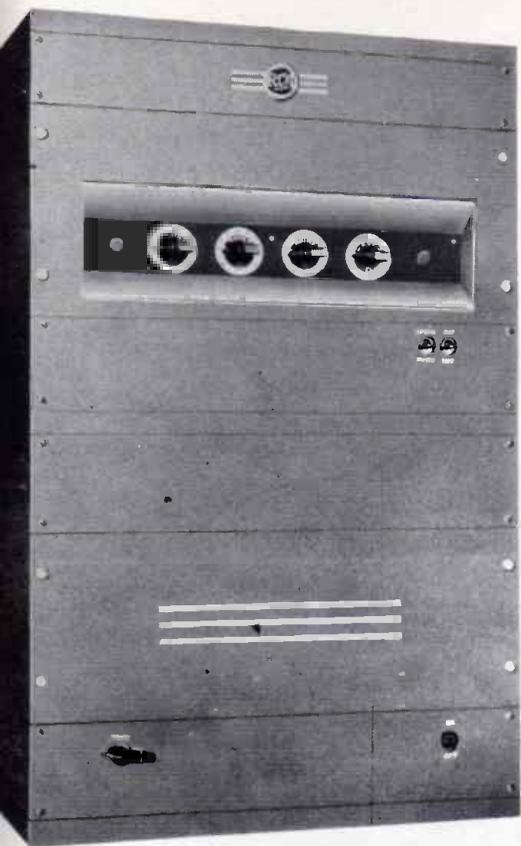
Suggested needle scratch filter for magnetic pick-up when used with Public Address Systems. Scratch filter assembly should be isolated by shielding.



RCA VICTOR HIGH FIDELITY PHONOGRAPH NEEDLES

- Chromium (Green-Shank)** Finest quality, semi-permanent needle recommended for automatic changing phonographs. Package of 6 **\$0.25**
- Red Seal** High quality long-life steel needle for manually operated phonographs. Not recommended for automatic phonographs. Package of 50 **\$0.25**
- Steel** High quality needle for one playing only. Available in Soft Tone, Half Tone, Full Tone, Extra Loud. Not recommended for automatic phonographs. Package of 100 (except Half Tone—75 needles) **\$0.10**
- Tungs-tone** A high-quality, semi-permanent needle with Tungsten tip, for manually operated phonographs. Available in Soft Tone, Full Tone, Extra Loud. Not recommended for automatic phonographs. Package of 8 **\$0.25**

RCA METAL CABINETS



A

These cabinets will be found to be ideal for housing standard RCA amplifiers and accessory equipment. Sturdily constructed and finished in attractive crackle lacquer, they improve the appearance and efficiency of any sound installation. MI-4666 Cabinet with various front panels, permits assembly, on the job, of a cabinet or series of cabinets suitable for most every requirement.

B

One unit will nest upon the top of another to provide a floor cabinet. MI-12312 blank panel may be cut and drilled, on the job, to mount a variety of radio chassis,

C

loudspeaker switches, monitor speakers, line transformers or filters. A record player may be shelf mounted and a blank panel used as a door. The flexibility offered in this cabinet together with various panels, permits assembly of a wide variety of cabinet combinations.

D

E

Size: 19½" w., 31" h., 13" d.

F

MI-4666 Cabinet less panels \$33.25

Code SCRAV.

PANELS

Refer to letters adjacent to above illustration.

MI-12303—3½" Blank Panel with Name plate for all types of assemblies—Code SEARD	\$3.10
MI-12302—7" Amplifier Panel for MI-4274 Amplifier—Code SEAMZ	7.25
MI-12304—For MI-4284 Amplifier—Code SEASE	7.50
MI-12308—For MI-4297 Voltage Amplifier—Code SEBCD	7.55
MI-12309—3½" Switch Panel for MI-4297 Voltage Amplifier—Code SEALY	2.45
MI-12306—3½" Blank Panel for MI-4274 or MI-4284 Amplifier—Code SEAWI	2.45
MI-12306—3½" Blank Panel—Code SEAWI	2.45
MI-12305—7" Ventilated Panel for MI-4288—Code SEAVH	3.40
MI-12307—3½" Switch Panel for MI-4288 Amplifier—Code SEBAM	2.65
MI-12306—3½" Blank Panel for MI-4274 or MI-4284 Amplifier—Code SEAWI	2.45
MI-12312—14" Blank Panel (can be cut on job for mounting radio chassis or other unit. Not illustrated.) Code SEFMU	3.75

COMPLETE CABINET ASSEMBLIES

MI-4728—Complete Cabinet with Panels for MI-4297/4288—Code SCYXK	\$54.85
MI-4729—Complete Cabinet with Panels for MI-4284—Code WOMBI	54.60
MI-4730—Complete Cabinet with Panels for MI-4274—Code SEABO	54.35
MI-4731—Complete Cabinet with Panels for two MI-4288—Code SEAFS	50.25
MI-4732—Complete Cabinet with Panels for one MI-4288—Code SEAKX	50.05
MI-4734—Complete Cabinet with Panels for one MI-4274 and Radio Chassis—Code SEFAI	49.80
MI-4735—Complete Cabinet with Panels for one MI-4284 and Radio Chassis—Code SEFEM	50.05
MI-4736—Complete Cabinet with Panels for one MI-4297 and Radio Chassis—Code SEFGO	50.10

RCA VICTOR-PHONE

**JUST
PLUG IN
AND TALK**



AN INTER-COMMUNICATING CALL SYSTEM THAT REQUIRES NO WIRES

Here's the handiest system for inter-communicating between offices, hotel rooms, factory buildings or any of the other thousands of places where a simple, reliable means of inter-communication is required.

Just plug the units into an A-C or D-C outlet (110 volts), press the button and talk. That's all there is to it—no wires—no batteries—no expensive installation. Anyone can install it and it works perfectly every time. The RCA Victor-Phone is of the carrier frequency type.

The carrier frequency of 100 kcs. may be adjusted to permit as many as three systems to operate in proximity to each other without interference. Voices up to 10 feet and more will be picked up by the unit and reproduced at the receiving end with sufficient volume to fill an ordinary room. Each unit is provided with a volume control.

MI 6350—Code SEBMY.
Complete with tubes

\$38.25
each

Excellent for use in the home—kitchen to dining-room, living-room to nursery, house to garage, etc.



SPECIFICATIONS

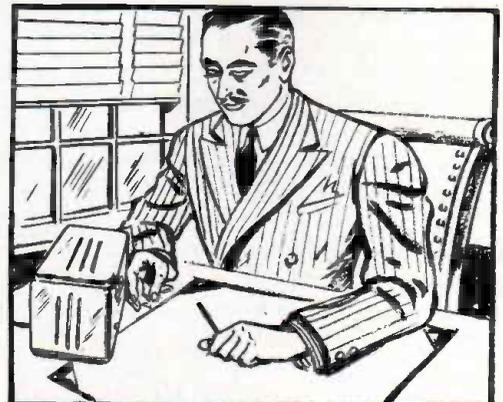
Dimensions—W 10 $\frac{3}{4}$ ", H 7 $\frac{3}{8}$ ", D 6 $\frac{5}{8}$ ".

Weight—16 lbs. each (net); shipping weight, 20 lbs. each.

Carrier Frequency—100 kcs. \pm 25%.

Tube Complement—1—RCA-25Z5, 2—RCA-43, 1—RCA-75.

Input Power—40 watts, 110 volts A-C/D-C, 25/60 cycles.



RCA VICTOR-PHONE Master Wired System

COMMUNICATION—AT THE PUSH OF A BUTTON

RCA Victor-Phone Master Wired System will be found exceptionally desirable for all inter-communicating installations requiring instant communication with from one to six remote positions.

The master position may communicate with from one to six remote positions by merely pushing a button to establish connection with the desired remote position.

Conversely from one to six remote positions may communicate with the master position. Any remote position, after calling the master position, may talk and listen without further touching the switch.

Connection between the various units is simple, a three-wire cable (MI-25, Page 53) connects each remote unit with the master unit. Remote units may be placed up to 1000 feet from the master.

Power for the master unit may be obtained from any 110-Volt AC or DC circuit. No external power is required for the remote units. Each unit is housed in a small, attractive walnut finished cabinet. Size 8 $\frac{1}{16}$ " wide, 6 $\frac{3}{16}$ " high, 4 $\frac{9}{16}$ " deep.



MASTER UNIT

MI-6357—Code SEQDA, Each \$29.50

REMOTE UNIT

MI-6358—Code SEQEB, Each \$10.75



INSTANT COMMUNICATION

RCA Victor-Phone Master Wired System puts each department right at your desk—push a button and talk. No need to keep a customer waiting while you go after needed information.



SALES

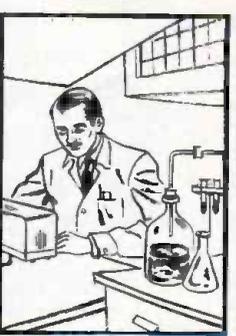
SECRETARY

SHIPPING

LABORATORY

SHOP

DRAFTING



RCA COMMERCIAL

TRANSFORMERS



MI-4603

RCA SPEAKER MATCHING TRANSFORMER

For matching variable types and numbers of speakers and for transmitting audio power over long distances, use this rugged transformer. Taps are provided at 7.5, 15, 100, 250, 500 and 2,500 ohms. Has 40-watt power rating. Weight: Net, 9 lbs.

MI-4603—Code, CRAQE \$20.00



MI-492B

RCA SPEAKER MATCHING TRANSFORMER

Use this transformer for matching up to eight 15-ohm speakers. Easily handles up to 40 watts audio power. A large, rugged transformer that will stand up under severe conditions. Weight: Net, 9 lbs.

MI-492B—Code, CZOOJ \$20.65



MI-6278
MI-6238

RCA SPEAKER MATCHING TRANSFORMER

For matching 15-ohm speaker voice coils to various audio system circuits, use this inexpensive transformer. A tapped secondary permits matching to 5,000, 2,500, 1,250, 410 and 225 ohm circuits, thus making it possible to operate a large number of speakers from one audio circuit. 5 watts audio power. Weight: Net, 6 ozs.

MI-6278—Code, CRAJY \$3.75



MI-12300

LOUDSPEAKER TRANSFORMER

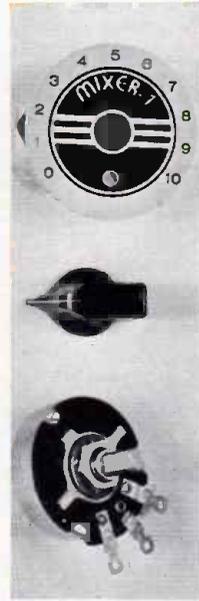
For matching 2-ohm speaker voice coils to various audio system circuits use this inexpensive transformer. A tapped secondary permits matching to 5,000, 2,500, 1,250, 410 and 225 ohms. Weight: Net, 6 ozs.

MI-6238—Code, SCOJG \$1.35

INPUT OR BRIDGING TRANSFORMER

A high quality nickel shielded input or bridging transformer. Small in size, low in price, high in quality, hum free. Primary 250 ohms center tapped, secondary 40,000 ohms. Complete with mounting bracket and terminal board. Weight: Net, 6 ozs.

MI-12300—Code, SEDOY \$8.75



MI-4720

MIXER PADS and SWITCHES

Pad Assembly. A mixer pad assembly with switch for remote control in connection with signal mixing units such as MI-4117 or compander unit MI-4737. Consists of mixer pad with switch, knob and escutcheon.

MI-4720 (No. 1 input)—Code, SCYHB \$2.25

Pad Assembly. Same as MI-4720 but has escutcheon marked for No. 2 input position.

MI-4721—Code, SCYIW \$2.25

Pad Assembly. Same as MI-4720 but has escutcheon marked for No. 3 input position.

MI-4722—Code, SCYKY \$2.25

Pad Assembly. Same as MI-4720 but has escutcheon marked for No. 4 input position.

MI-4723—Code, SCYLZ \$2.25

Pad Assembly. Same as MI-4720 but has escutcheon marked for Master Volume Control.

MI-4724—Code, SCYOB \$2.25

Pad Assembly. Same as MI-4720 but has escutcheon marked for Expander/Compressor position.

MI-4725—Code, SCYZD \$2.25

Switch. Vertical throw with chromium plated knob, 6-circuit, 3-position as used on MI-6719 master control.

MI-6825—Code, SEEPY \$2.25

Switch. Same as MI-6825 excepting 2-position, 4-circuit.

MI-6826—Code, SEESA \$1.75



MI-6825



REMOTE CONTROL UNITS

Remote portable mixer box complete for remote control of No. 1 and No. 2 input positions on MI-4284 or MI-4297 amplifiers. Includes 30-foot cable and plug.

MI-4123A—Code, SCUSJ \$18.75

Remote Control. Same as MI-4123A but less cable and plug.

MI-4123—Code, SCRUC \$10.00

Remote Control. Same as MI-4123 excepting for No. 3 and No. 4 input positions on MI-4297 amplifier.

MI-4126—Code, SCRIC \$10.00

Remote Control. Same as MI-4123 excepting for Master Volume Control and Expander/Compressor positions on MI-4297 amplifier.

MI-4124—Code, SCRYB \$10.00

RCA LOUDSPEAKER FIELD SUPPLY UNIT



A small compact field supply unit that provides excitation for one standard 100-volt, 100 m.a., D. C. field. Operates from 110-volt A.C. source. Uses 1 RCA-80 tube. Size: 4" x 4" x 3 3/32". Weight: Net, 3 1/2 lbs.

MI-4352—Code, VLAEV.

\$11.00
(less tubes)

RCA FIELD SUPPLY UNIT



Supplies 1 to 8 standard 100 m.a., 100-volt, D.C. speaker fields. Uses RCA-80 or RCA-5Z3 tubes. The output is thoroughly filtered. Maximum current output: 800 m.a. (with RCA-5Z3 tubes), 400 m.a. (with RCA-80 tubes). Weight: Net, 23 lbs.

MI-4353—Code, SCAWG \$66.55
(less tubes)

WALL BOX



Flush metal wall box for use with MI-6293 Semi-Flush Loudspeaker Housing (see page 33). Size: 10" x 12" x 4".

MI-6161—Code, YXANC \$2.90

MICROPHONE FITTING



Microphone Suspension Fitting. A fitting for suspension mounting RCA microphones MI-4036, MI-4048, MI-4048A, MI-4042, MI-4042A. Has standard 1/2" pipe thread and cable eyelets.

MI-4070—Code, CRORS \$0.55

SOUND ACCESSORIES



MI-4117

Signal Mixing Unit. A single stage pre-amplifier mixer unit as used on MI-4297 Amplifier. Unit consists of compact chassis, tube socket, filter and input transformer wired ready for mounting. Impedance: 250 ohms input to grid output.

MI-4117—Code, SCQYT **\$17.00**
less tubes

Signal Mixing Unit. Same as MI-4117 but including mixer pad with switch, knob and escutcheon (escutcheon marked "Mixer 3"). Used with MI-4297 for position 3.

MI-4726—Code, SCYUH **\$19.25**
less tubes

Signal Mixing Unit. Same as MI-4726 except escutcheon is marked "Mixer 4." Used with MI-4297 for position 4.

MI-4727—Code, SCYWJ **\$19.25**
less tubes

Signal Mixing Unit. Same as MI-4117 excepting has high impedance input. Used with MI-4297 Amplifier position 4.

MI-4118—Code, SEHMS **\$12.25**
less tubes

Signal Mixing Unit. Same as MI-4727 excepting has high impedance input. Used with MI-4297 Amplifier position 4.

MI-4733—Code, SECAL **\$14.50**
less tubes

Booster Amplifier. A single stage unit used with MI-4297 where it is desired to drive from 2 to 10 MI-4288 Power Amplifiers.

MI-4263—Code, SEHKQ **\$19.80**
less tubes

Compander. A compact expansion-compression unit as used on MI-4297 Amplifier. Includes pad, knob and escutcheon.

MI-4737—Code, SEGAH **\$19.95**
less tubes

Pre-Amplifier. A compact microphone pre-amplifier for use with MI-4036 velocity or similar microphones. Gain: 57 db, 16,000 ohms input. Power Required: 180 V., 4 M.A. D.C., 6.3 V., .6 Amps.

MI-4202—Code, CROUV **\$13.35**
less tubes

Power Supply Unit. Used with MI-4202 or similar pre-amplifier. Power Input: 110 V. A.C., 60 Cycles. Power Output: 180 V., 4 M.A. D.C., 6.3 V., .6 Amps.

MI-4302—Code, CROTU **\$13.35**
less tubes



MI-18

Cable. A parallel two-conductor armored cable with 30% rubber insulation for extra long life. Recommended for use with all RCA master control sound systems for loudspeaker wiring.

MI-18—Code, TWOZS **\$44.45**
per M. feet



MI-20

Cable. A low capacity single conductor cable with heavy rubber insulation and close copper braid shield. Recommended for use with RCA Antenaplex or any radio frequency distribution systems.

MI-20—Code, SCIOR **\$91.10**
per M. feet



MI-25

Cable. A three-conductor twisted, rubber insulated, cotton braid cable for use with RCA or other office inter-communicating systems.

MI-25—Code, SEJUY **\$30.35**
per M. feet

Cable. Standard microphone cable, two-conductor shielded rubber covered. .288 outside diameter.

MI-37—Code, NZOBY **\$0.18**
per foot



MI-37

Cable. Antenna lead-in cable, two-conductor twisted weatherproof braid. For RCA noise reducing antennae or other transmission line use.

MI-19—Code, SCIMP **\$33.35**
per M. feet



MI-19

Cable. Microphone cable (small) two-conductor rubber covered shielded. .240 outside diameter. Used with MI-6226, MI-6228 and MI-4036 microphones.

MI-59—Code, SCOMJ **\$0.14**
per foot



MI-59

Cable. Five-conductor rubber covered cotton braided cable for use with MI-4123 or other remote control units.

MI-45—Code, SCYFT **\$0.18**
per foot



MI-45

Cable. A 50' five-conductor remote control extension cable, complete with plugs for use with MI-4123 control.

MI-4685—Code, SCUWN **\$11.60**



MI-12313

Cable. A 50' two-conductor loudspeaker extension cable, complete with plugs for use with PG-114 portable sound system.

MI-12313—Code, SEFTA **\$4.95**

Power Supply Unit for Signal Mixers. Supplies power for up to six signal mixers, compander or booster amplifier.

MI-4304—Code, SEFYF **\$55.55**
less tubes



MI-4118



MI-4263



MI-4737



MI-4202



MI-4302

RCA COMMERCIAL SOUND ACCESSORIES

RCA HEARING AIDS FOR GROUP HEARING

For group installations only



RCA HEARING AID

RCA Dictograph bone conduction oscillator with handle, cord and plug. Complete, ready to plug in to a group hearing aid system. Impedance 50 ohms.

MI-9406/9407—Code, SCWYN \$32.25



RCA HEARING AID

RCA Dictograph air conduction oscillator with handle, cord and plug. Complete for use. Impedance 50 ohms.

MI-9409/9410—Code, SCYCQ \$32.25



RCA HEARING AID

RCA Dictograph bone conduction oscillator with headband, cord and plug. Similar to MI-9406/9407 except has light inconspicuous headband. Complete ready for use. Impedance 50 ohms.

MI-9406/9408—Code, SCYBP \$28.90



RCA HEARING AID

RCA Dictograph air conduction oscillator with headband, cord and plug. Similar to MI-9409/9410 except has light weight inconspicuous headband. Complete ready for use. Impedance 50 ohms.

MI-9409/9411—Code, SCYES \$28.90



HEARING AID JACK BOX

A small double jack box for use with group hearing aid systems. Can be mounted under seat arm rest. One jack box accommodates two seats.

MI-1499A—Code, CRIWC \$9.45



SOUND POWER TELEPHONE

A compact self-contained telephone handset which provides convenient communication without the use of batteries over distances up to a mile. Each handset consists of an electromagnetic microphone and receiver mounted as a unit set with a line-off switch in the handle. A single pair of wires and two handsets provide rapid and reliable communication.

MI-2052B—Code, SEOYX \$58.90
MI-2062 Wall Hanger. Code, SEQAY \$5.75



DYNAMOTOR

For driving MI-4274 12-watt amplifier from a 6-volt automobile storage battery. Input Power: 6 volts, 15.2 amps. D.C. Power Output: 350 volts, 150 m.a. Size: Length, 6 $\frac{1}{8}$ " ; width, 4 $\frac{5}{16}$ " ; height, 4 $\frac{5}{16}$ ". Net weight: 9 $\frac{1}{4}$ lbs. Supplied with rubber mounting grommets.

MI-4376—Code, SEEKT \$54.65



THROAT INSERT

A high frequency throat insert for use with MI-1469 or MI-477 directional baffles. Designed to fit into baffle throat. Improves high frequency reproduction. A good unit for modernizing existing installations.

MI-9452— \$14.65

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