

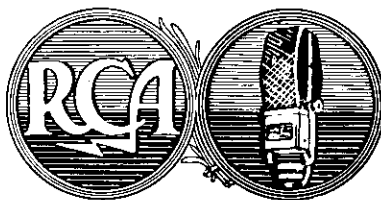
**RCA
SOUND
EQUIPMENT**

CATALOG 210

Commercial Sound Section

RCA MANUFACTURING CO., INC. • CAMDEN, N. J.

A Service of Radio Corporation of America



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ALL PRICES F.O.B. CAMDEN, N. J.... PRICES
SUBJECT TO CHANGE WITHOUT NOTICE

RCA SOUND SYSTEMS FOR EVERY PURPOSE



RCA MANUFACTURES

the finest sound equipment

Many tireless years of research, conducted by the world's leading sound engineers at Radio Headquarters, combined with an equal length of service in the field, have resulted in the production of the finest sound equipment obtainable at any price.

This same engineering experience is responsible for the RCA Victor Magic Brain—Magic Eye—Magic Voice Radio; for the world famous Velocity Microphones; for High Fidelity theatrical Sound Recording and Photophone Reproducing systems; for fine Police and Aviation Radios; for Broadcast Transmitters such as are employed by NBC and CBS; Marine Radio equipment, and a host of other sound devices known the world over for their unsurpassed quality and dependability. In short, RCA stands for "Sound Headquarters" of the world.

RCA manufactures sound equipment from the smallest unit for window demonstration purposes to the largest system that increases sound from a whisper to a volume adequate for any size building, such as the Music Hall, New York City, the largest hotels and schools, or the largest of outdoor audiences.

Standardized and Interchangeable

All sound equipment trademarked with the name RCA is standardized and interchangeable, as far as is practicable. Standard types of matched microphones, amplifiers, loudspeakers, etc., are available as stock items to cover any normal requirements for original installation, for addition and for replacement. Equipment can be produced on short notice to meet special conditions of installation or operation.

Not only does RCA manufacture and supply sound equipment; a nation-wide Distribution and Service organization enables us to survey your individual sound installation problems and submit recommendations.

RCA is the only organization that manufactures everything, from the microphone in the Broadcast Station Studio to the loudspeaker in the Home.

When you purchase RCA sound equipment, you are assured of obtaining perfectly matched units, coordinated in design from the microphone to the loudspeaker.

The equipment listed in the following pages represents only a small portion of Commercial Sound Equipment manufactured by RCA.

The nearest RCA Distributor, or any of the 18 RCA District Offices, will welcome consultation, or you may write us direct for specifications or suggestions to meet your requirements, without obligation.

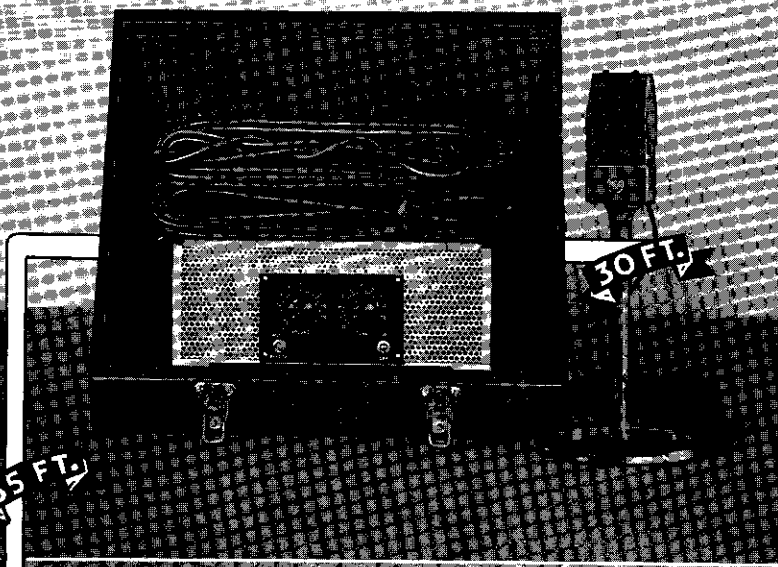
RCA Standard Portable Sound System

These new RCA Portable Sound Systems embody all the splendid qualities that have been built into sound amplification equipment . . . plus new and exclusive improvements that set higher standards of performance and dependability. Numerous prospects are anxiously awaiting demonstrations of this, the finest Portable Sound Equipment available; Political Meetings (indoors and outdoors), Orchestras, Amusement Parks, Auditoriums, Banquet Halls, Cabarets, Clubs, Colleges, Dance Halls, Fairs, Gymnasiums, Hotels, Resorts, Restaurants, Road Houses, Soft Drink Stands, Swimming Pools, Tennis Courts

and many other outlets which will immediately suggest themselves to you. The power output of the PG 98 will furnish sufficient volume of sound for auditoriums with seating capacities up to 1600.

12-WATT CLASS "A" AMPLIFIER

Note how neat and compact the RCA PG 98 Portable Sound Equipment appears when made ready for transporting from place to place.



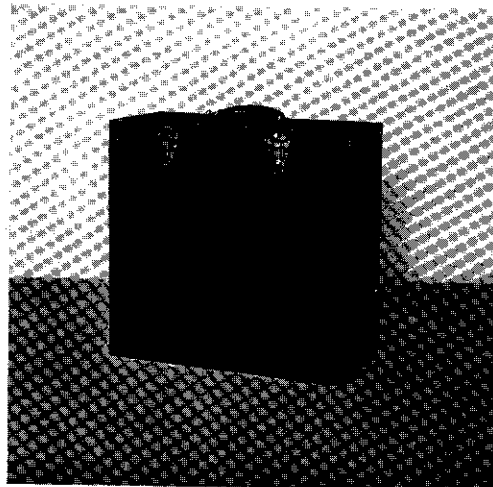
Here it is—the standard PG 98 set up ready for operation. Note that more than ample special flexible indestructible cable is supplied. Length indicated by marker

PG 98
\$179.50

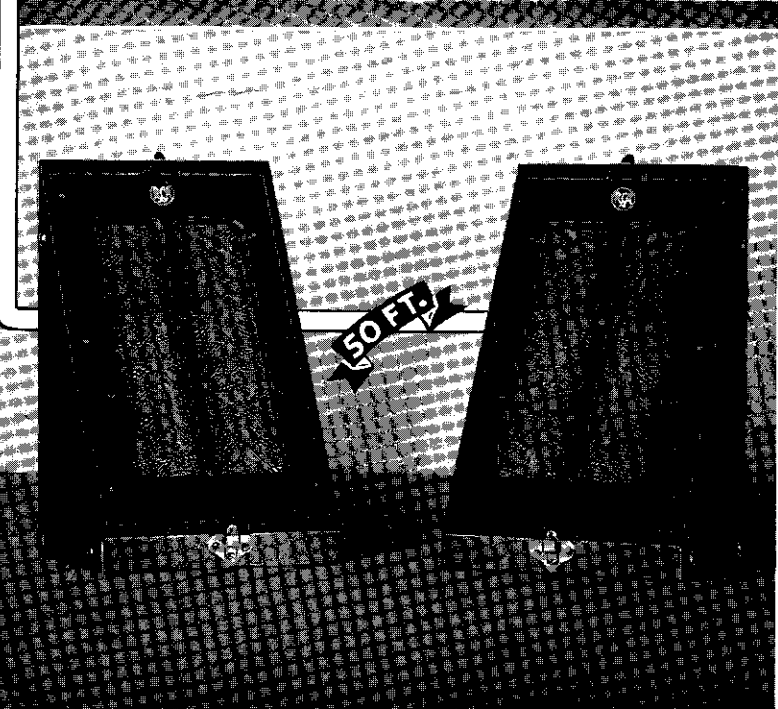
LIST PRICE

**Complete with
RCA Radiotrons
All in One Case**

Operates on 110 AC
50-60 Cycle



These two electro-dynamic speakers are of special design. They insure faithful reproduction. When combined with the amplifier section shown above they provide a very handsome carrying case.



MICROPHONE

Genuine RCA Velocity Microphone

50 to 10,000 cycles Frequency Range

Table Stand

AMPLIFIER

12 watts, Class A, undistorted output. 25 watts max.

Overall gain, 110 db.

Extremely low hum level

Controls easily accessible

Tone Control

Volume Control

Music-Speech Switch

Radio and Phonograph inputs

SPEAKERS

2 special Electro-Dynamic Speakers

Completely enclosed Baffles

Speaker cases treated with Ozite acoustic material

Attractive, hand-rubbed, walnut baffle plaques, with decorative grille

Suspension eyelets for hanging Speakers

TUBE COMPLEMENT

3 RCA-42, 1 RCA-75, 1 RCA 6-C-6, 1 RCA 5-Z-3

Finish: Durable black leatherette

Size: Complete unit ready for transportation: Length, 21 1/4"; Height, 21 1/4"; Depth, 10".

Approved by National Board of Fire Underwriters' Laboratories

RCA Deluxe Portable Sound System

This Deluxe Portable Sound System has a power output of 20 watts, which is sufficient to meet the average requirements in auditoriums with seating capacities up to 3,000. In auditoriums, at theatres, at meetings, at conventions, or in any one of hundreds of other situations, people are insisting more and more on correct sound amplification — amplification that brings speech or music to the listener with the clearness and brilliance of the original sound. The success of any meeting depends entirely on how well the audience hears the speaker, whose message is just as important to those seated in the last four rows as it is to the occupants of the first four. The Deluxe PG 62-E has all the qualifications to meet these requirements.

This equipment is particularly adapted for use in night clubs and tap rooms. Modern entertaining technique demands its use in connection with orchestras and floor shows.

A Portable Sound System of superb quality, and extremely attractive appearance.

20-WATT CLASS "A" AMPLIFIER

RCA Engineers pay strict attention to every detail. This is evidenced by the neat and attractive appearance of the complete PG 62-E Sound System.

MICROPHONE

Genuine RCA Velocity Microphone
50 to 10,000 cycles Frequency Range
Adjustable Banquet Stand

AMPLIFIER

20 watts, Class A, undistorted output. 35 watts max.

Overall gain, 108 db.

250-500 ohms input

Extremely low hum level

Music-Speech Switch

Separate voltage amplifier

with volume control

Microphone Volume Control

Master Volume Control

Tone Control

Phonograph and Radio Inputs

Ample gain for RCA Velocity Lapel Microphone

Provision for mixing voice

with musical background

SPEAKERS

2 extra large Electro-Dynamic Speakers

Completely enclosed Baffles

Speaker cases treated with

Ozite acoustic material

Attractive, hand-rubbed,

walnut baffle plaques,

with decorative grille

Suspension eyelets for hanging

Speakers

TUBE COMPLEMENT

1 RCA-57, 2 RCA-56, 1 RCA-

59, 2 RCA 2-A-3, 1 RCA-

80 and 1 RCA-83

Finish: Durable black

leatherette. Size: Com-

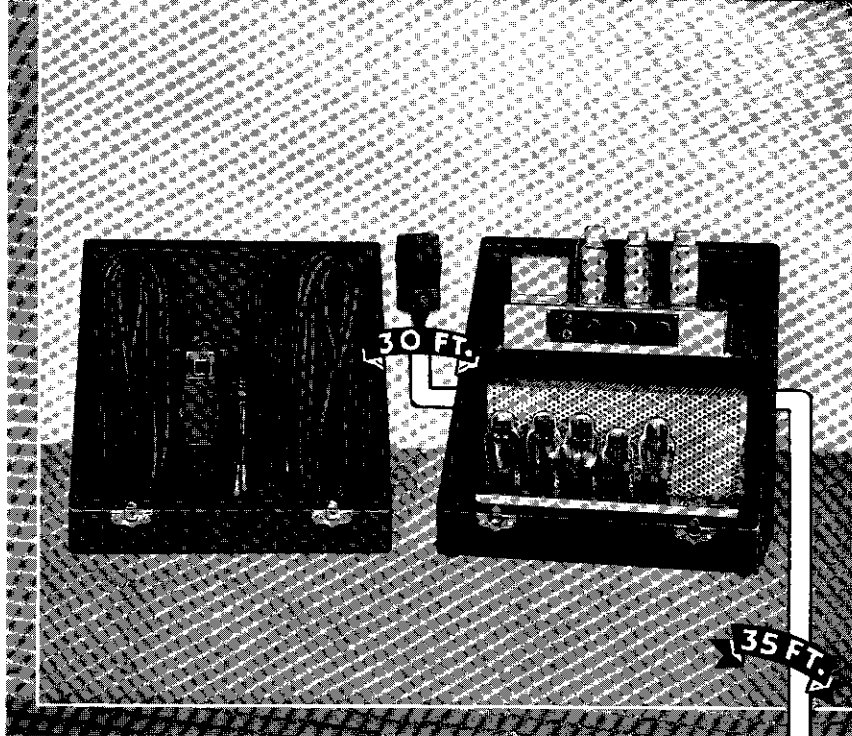
plete unit ready for trans-

portation (both cases

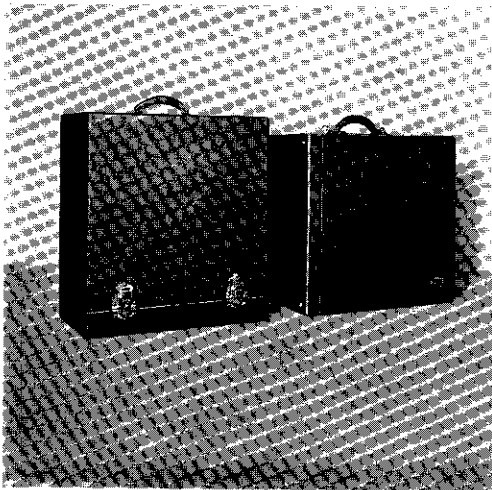
same measurements):

Length, 17 $\frac{3}{4}$ "; Height,

21"; Depth, 12".



And here is the Deluxe PG 62-E ready to demonstrate its superiority over all competition. Here again a generous supply of cable is furnished between the units. Length indicated by marker.



PG 62-E

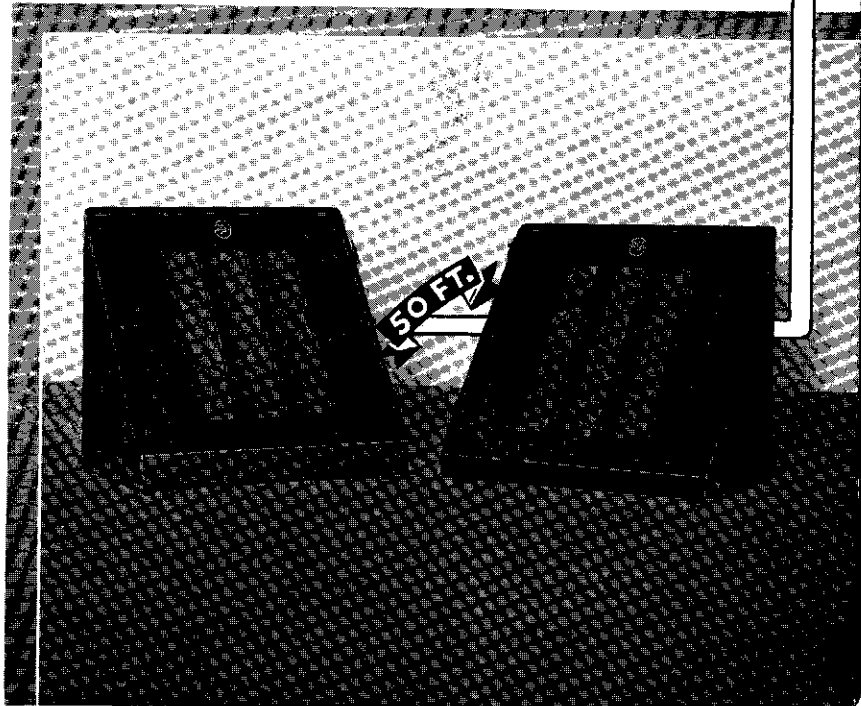
\$299⁵⁰

LIST PRICE

**Complete with
RCA Radiotrons
in Two Cases**

Operates on 110 AC
50-60 Cycle

These two exceptionally efficient and faithful electro-dynamic speakers are triangular in shape and fit together into a compact carrying case.



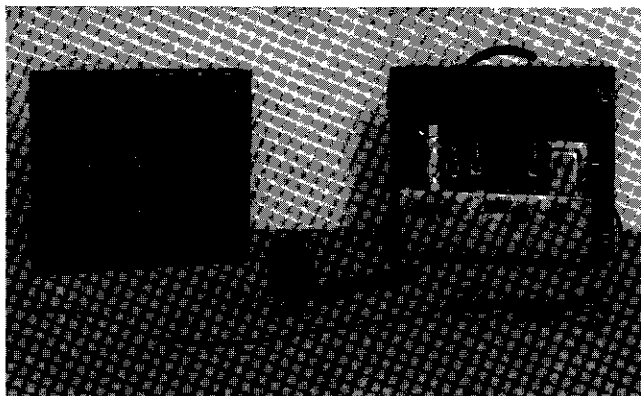
PG 63-B **\$79.50**

LIST PRICE

The RCA PG 63-B is truly the outstanding portable P. A. system in the low price field. It is admirably suited for use as a public address system in moderate size auditoriums, as well as for making announcements in such diversified places as bus terminals, carnivals, restaurants, stores and gymnasiums.

The PG 63-B consists essentially of a close-talking microphone, a 6-watt amplifier, 10-inch electro-dynamic speaker, necessary cables, and tone and volume controls. The equipment is assembled in a handsome reinforced carrying case, finished in dark Spanish blue fabrikoid, measuring $8\frac{1}{8}$ inches deep, $16\frac{5}{8}$ inches wide and 16 inches high. The total weight is $28\frac{1}{2}$ pounds.

The speaker section of the carrying case may be suspended from a hook provided for that purpose, anywhere within the 35-foot radius of the microphone. A 12-foot cable is attached to the microphone, so that



PG 63-B. A complete Public Address System. The finest merchandise of its kind in the low price field.

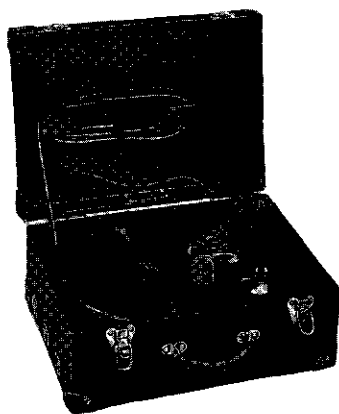
the complete unit meets all ordinary operating requirements, without any additional wiring.

Simple, convenient and fool-proof in operation. Operates from any 110-volt 50-60 cycle alternating current supply.

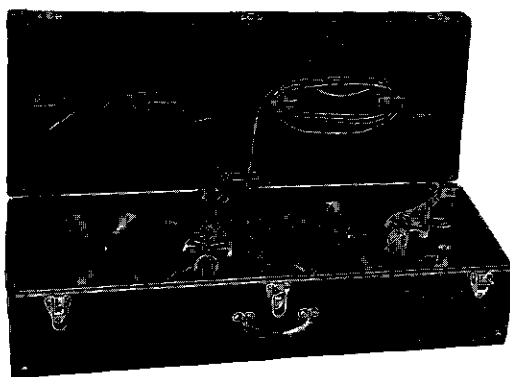
RCA PORTABLE PHONOGRAPH UNITS

These two phonograph turntables have met with wide acceptance in dance halls and recreational centers, as well as in schools in connection with musical education and similar applications. The complete assemblies are housed in very attractive portable carrying cases, covered with black leatherette. They are very ruggedly constructed to withstand abuse while in transit and constant handling.

The synchronous electric motors are adjusted for playing standard records (78 RPM) and have been specially designed with sufficient torque to maintain uniformly constant speed with both 10" and 12" records. Flexible cords are supplied for connecting to the AC supply, and also for connecting these units to amplifiers. ($33\frac{1}{3}$ RPM on special order only.)



MI-4810 LIST PRICE **\$77.80**



MI-4811 LIST PRICE **\$166.70**

MI-4810: Supplied with one RCA Victor Low Impedance Pickup.

Power Consumption: 30 watts
Dimensions: 20" x 15" x 9" high
Net Weight: 22 lbs. Shipping Weight: 37 lbs.
Motor Rating: 105-125 volts, 50/60 Cycle AC
Code: CROJK

MI-4811: Two RCA Victor Low Impedance Magnetic Pickups are supplied with this unit.

Power Consumption: 60 watts
Motor Rating: 105-125 Volts, 50/60 Cycle AC
Dimensions: 42" x 15" x 9" high
Net Weight: 45 lbs. Shipping Weight: 90 lbs.
Code: CROKL

Extension Cables

FOR USE WITH
MODELS

PG 62-E AND PG 98

MI-4075: 50' Microphone Extension Shielded Cable, with plug and receptacle. List Price: **\$23.25.**

MI-4440: 35' Speaker to Speaker Extension Cord, with plug and receptacle. List Price: **\$8.55.**

MI-4441: 35' Speaker to Amplifier Extension Cable, with plug and receptacle. List Price: **\$8.90.**

RCA STANDARD AMPLIFIER SYSTEMS

Series 12-12, for Audiences up to 1600

\$229²⁰

LIST PRICE



Never before in the history of the Commercial Sound business has such high quality, low cost equipment been made available to sound engineers. Here is your chance to definitely establish yourself in this lucrative field. Hundreds of places in your immediate vicinity are badly in need of this high quality, low cost sound equipment—dance halls, banquet halls, small convention halls, school auditoriums, outdoor band shells, etc.

Power output of Series 12-12 is sufficient to meet the average requirements in auditoriums with a capacity of approximately 1600 seats. Just think of it—an RCA Velocity Microphone with Studio Stand, a 12 watt (25 watt max.) High Fidelity Amplifier, 2 special 12" Dynamic Speakers of the highest quality, and specially designed Directional Speaker Baffles, all at the special low list price of \$229.20, less RCA tubes. RCA tubes for above, list price, \$5.84.

DESCRIPTION

MICROPHONE: Genuine RCA Velocity Microphone with MI-4068 Studio Floor Stand. Frequency range 50 to 10,000 cycles. Height, 37" to 67". Finished in statuary bronze and brown crackle.

AMPLIFIER: Specially designed for general sound re-enforcement purposes, such as the amplification of Public Address, Radio and Phonograph programs. A 4-stage amplifier, comprising 2 stages of resistance-capacitance coupled voltage amplification, resistance-capacitance coupled to a driver stage, which is in turn transformer coupled to a push-pull power output stage. Built-in power supply. Delivers 12 watts (25 watts Max.), Class A, undistorted output. Overall gain 110 db. Frequency range 50 to 10,000 cycles. Power supply, 110 volt—50/60 cycle AC.

Equipped with tone control, volume control, music-speech switch, radio and phonograph inputs. Input plug furnished. Complete in every detail, except Radiotron tube complement. **TUBE COMPLEMENT:** 3 RCA-42, 1 RCA-75, 1 RCA 6-C-6, 1 RCA 5-Z-3.

SPEAKERS: 12" cones with aluminum voice coils, guaranteeing a wide frequency range. 12 ohm voice coil. Transformer matching impedances range from 800 ohms to 8800 ohms.

Field coil enclosed in metal housing, which forms a base for mounting. Field excitation, 110 volts to 135 volts DC. Safely operates on 10 to 15 watts of power continuously. Excellent overall response insuring High Fidelity reproduction.

BAFFLES: Semi-weatherproof wood baffles, with high frequency equalizers. Houses either 8" or 12" Dynamic Speakers. Distribution angle 90° horizontal and 50° vertical.

Bell Mouth size: 27 $\frac{3}{4}$ " x 17 $\frac{3}{4}$ "

Depth of Baffle: 27" overall.

Bell 15" deep

Speaker housing: 12" x 14 $\frac{1}{2}$ "

x 14 $\frac{1}{2}$ "—Acoustically treated

Finish: Durable gray crinkle

Net weight each: 28 lbs. Shipping weight: 53 lbs.

Mounting: Substantial mounting eyelets provided

SERIES 12-8

LIST PRICE **\$197.10**

Same as Series 12-12, except two 8" Dynamic Speakers are furnished in place of the 12" Speakers. For use where less power handling capacity is required. List Price \$197.10, less RCA Tubes. RCA Tubes for above, list price, \$5.84.

SERIES 20 AND 40 RCA DELUXE SOUND EQUIPMENT FOR ALL PURPOSES



DELUXE SERIES 20
LIST PRICE
\$408.65

DELUXE SERIES 40
LIST PRICE
\$668.55

RCA offers two exceptionally efficient sound systems in Deluxe Series 20 and Deluxe Series 40. These twenty and forty watt amplifier units are housed in a very attractive and substantial metal cabinet. These cabinets insure neat installations to which you can refer with extreme pride when selling similar sound systems to other customers.

Deluxe Series 20 will supply adequate sound amplification for audiences up to 3000 while Deluxe Series 40 will prove more than adequate for auditoriums seating as many as 5,000 people.

ONE MICROPHONE: Genuine RCA Velocity Microphone, with a frequency range of 50 to 10,000 cycles. Complete with Studio Floor Stand. Height, 37" to 67". Finish—statuary bronze. Base—Brown Crackle.

DELUXE SERIES 20

ONE VOLTAGE AMPLIFIER: Designed for 250 ohms and 500 ohms input, making it possible to place Velocity Microphones 2,000 feet from the amplifier unit. Three stages of high gain amplification. Microphone volume control, master volume control, tone control, music-voice switch, and provisions for phonograph and radio inputs.

ONE POWER AMPLIFIER: 20 watts output, having an overall gain of 108 db. Remarkable frequency response, $\pm 1/2$ db. from 50 to 10,000 cycles. Specially designed output transformer reduces possibility of cross talk to a minimum, when the units are used on separate channels and the output wires are all carried in the same conduit. Standard output impedances using

the balanced center tap are 250, 60, 15, $7\frac{1}{2}$ and 4 ohms. Used as a straight output transformer—neither side grounded—approximately 26 different impedance couplings can be obtained, ranging from 1 ohm to 250 ohms.

TWO SPEAKER MECHANISMS: Powerful, ruggedly constructed, delivers true life-like sound. Special aluminum voice coil for greatly increased frequency range. Voice coil impedance 15 ohms. Aluminum throated cone, 6" in diameter. Field excitation, 10 to 18 watts. Field voltage, 100 to 140 volts. Field current, 100 milliamperes. Input, 10 watts continuously. Net weight, 26 lbs. Shipping weight, 30 lbs.

TWO DIRECTIONAL BAFFLES: Which house above speaker mechanism. Specially designed for structures having high reverberation characteristics and other acoustical difficulties. Overall efficiency, 25%. Distribution angle, 60°. Dimensions, 25" x 25" x 25". Net weight, 24 lbs. Shipping weight, 55 lbs. Material, wood.

ONE AMPLIFIER CABINET: Very attractive and compact amplifier housing. Will accommodate one pre-amplifier and two 20 watt amplifiers. Dimensions, 17 $\frac{1}{2}$ " x 30" x 10". Net weight, 25 lbs. Shipping weight, 40 lbs.

Deluxe Series 20, complete, less RCA tubes, list price, \$408.65. Set of tubes for above, list price, \$7.50.

DELUXE SERIES 40

Same as above, except two 20 watt amplifiers and four baffles and mechanisms are furnished. Provides sufficient sound amplification for audiences up to 5,000.

Deluxe Series 40, complete, less RCA tubes, list price, \$668.55. RCA tubes for above, list price, \$12.73.

For outdoor installations, use MI-4426-A Baffles. (See Page 14.)

RCA HIGH QUALITY MICROPHONES

RCA provides not merely a wide range of choice in quality microphones, but also the assurance of outstanding superiority in every microphone unit, in the type of work for which it is designed. On this page are shown Velocity, Lapel, Sound Power, and Carbon Microphone Models.

The famous RCA Velocity Microphone gives unparalleled naturalness and fidelity of tone over a tremendous frequency range. It marks one of the

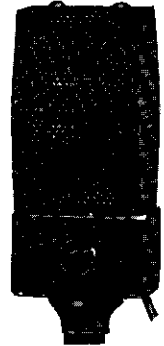
major advancements in the art of sound reproduction. It is the first choice of artists, speakers and broadcasting stations the world over, and has created new standards of perfection for microphone reproduction. That is why it is used in the great theatres of Radio City, Rockefeller Center, and by NBC, CBS and other broadcasting chains where only the finest sound equipment is installed. *There are no finer microphones made.*

MI-4010-A: This is the highest quality, low cost Velocity Microphone ever made available to sound engineers. The frequency range is so excellent that this microphone is rapidly replacing other types of microphones in use today. Highly favorable directional characteristics; high sensitivity and faithfulness of response. This is the microphone you will recommend for all future P.A. systems.

Frequency Range50 to 10,000 cycles
 Impedance250 ohms and 16,000 ohms
 Dimensions2 $\frac{3}{8}$ " wide, 2 $\frac{3}{8}$ " deep, 6 $\frac{3}{16}$ " long
 Net Weight: 2 lbs.; Shipping weight4 lbs.

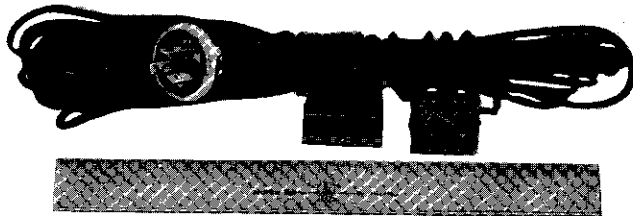
FinishDurable Baked Wrinkled Gunmetal
 Shielded Cable30 feet with plug
 Average Operating Level-68 db.
 Code: CROGH

LIST PRICE \$43.50



MI-4010-A

RCA LAPEL VELOCITY MICROPHONE MI-4001



MI-4001

A small, highly efficient unit designed to be clipped to the coat lapel or garment of the speaker. A 30 ft. cord makes it possible for the speaker to move over a wide radius on the stage or platform. The speaker is no longer confined to a fixed position immediately before the microphone. A highly desirable feature in classrooms, lecture halls where charts or blackboards are used, cooking schools, style shows, sporting events, demonstrations, etc.

Frequency Range: 80 to 4,500 cycles ± 2 db. with a 7.5 db. rise at 5,000 cycles
 Overall Response Range80 to 7,000 cycles
 Matching Transformer Output Impedance: 250 ohms
 Cord Length: 30 feet including plug
 Dimensions: Microphone Unit: 1 $\frac{7}{16}$ " x 1 $\frac{1}{16}$ " x 1 $\frac{15}{16}$ "
 Transformer: 1 $\frac{3}{4}$ " x 1 $\frac{1}{16}$ " x $\frac{7}{8}$ "

WeightMicrophone Unit: 3 $\frac{1}{4}$ ozs.
 Transformer: 3 $\frac{1}{4}$ ozs.
 Shipping Weight: Approx. 1 $\frac{1}{2}$ lbs. (entire unit)
 Code: VLAWI

LIST PRICE \$44.35

RCA SOUND POWER MICROPHONE MI-4005-A

Primarily designed for close talking purposes, and particularly suitable for outdoor applications. Free from hiss and background pickup. Widely used in outdoor sound installations, Amateur Radio Stations, and other points where good fidelity and rugged construction are necessary. Supplied with 30' shielded cable and floor stand adapter.



MI-4005-A

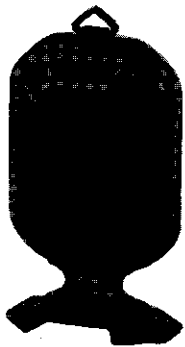
Output Level-90 db. to -50 db. at 2,500 cycles
 Impedances125 ohms to 5,000 ohms
 Type of OperationPressure
 FinishAntique Bronze

Dimensions..Width 3"; Height 5"; Base Diameter 3"
 Weight2 lbs. 12 oz.
 Code: VLYYM

LIST PRICE \$35.45

RCA DOUBLE BUTTON CARBON MICROPHONE MI-6225

An exceptionally good double button RCA Carbon Microphone, designed for close talking and announce purposes. Neat and compact. Can be held in the hand, or conveniently placed on a desk. Small size eliminates obstruction to speaker's view. 12 feet of shielded cable supplied.



MI-6225

Dimensions3 $\frac{1}{2}$ " wide, 6" high, 2" deep
 FinishDark Brown
 Cable12', 3-conductor silk covered, less plug

Net Weight2 lbs.
 Shipping Weight4 lbs.
 Code: TUGEJ

LIST PRICE \$10.50

RCA HIGH QUALITY MICROPHONES

RCA provides not merely a wide range of choice in quality microphones, but also the assurance of outstanding superiority in every microphone unit, in the type of work for which it is designed. On this page are shown Velocity, Lapel, Sound Power, and Carbon Microphone Models.

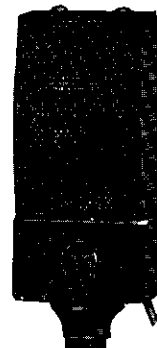
The famous RCA Velocity Microphone gives unparalleled naturalness and fidelity of tone over a tremendous frequency range. It marks one of the

major advancements in the art of sound reproduction. It is the first choice of artists, speakers and broadcasting stations the world over, and has created new standards of perfection for microphone reproduction. That is why it is used in the great theatres of Radio City, Rockefeller Center, and by NBC, CBS and other broadcasting chains where only the finest sound equipment is installed. *There are no finer microphones made.*

MI-4010-A: This is the highest quality, low cost Velocity Microphone ever made available to sound engineers. The frequency range is so excellent that this microphone is rapidly replacing other types of microphones in use today. Highly favorable directional characteristics; high sensitivity and faithfulness of response. This is the microphone you will recommend for all future P.A. systems.

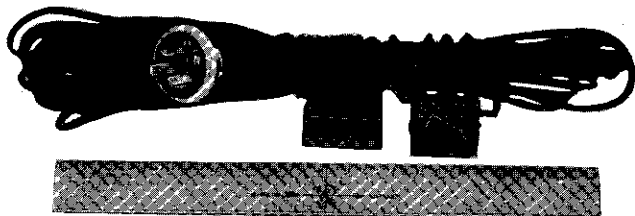
Frequency Range	50 to 10,000 cycles	Finish	Durable Baked Wrinkled Gunmetal
Impedance	250 ohms and 16,000 ohms	Shielded Cable	30 feet with plug
Dimensions	2 $\frac{5}{8}$ " wide, 2 $\frac{3}{8}$ " deep, 6 $\frac{3}{16}$ " long	Average Operating Level	-68 db.
Net Weight: 2 lbs.; Shipping weight	4 lbs.	Code: CROGH	

LIST PRICE \$43.50



MI-4010-A

RCA LAPEL VELOCITY MICROPHONE MI-4001



MI-4001

A small, highly efficient unit designed to be clipped to the coat lapel or garment of the speaker. A 30 ft. cord makes it possible for the speaker to move over a wide radius on the stage or platform. The speaker is no longer confined to a fixed position immediately before the microphone. A highly desirable feature in classrooms, lecture halls where charts or blackboards are used, cooking schools, style shows, sporting events, demonstrations, etc.

Frequency Range: 80 to 4,500 cycles ± 2 db. with a 7.5 db. rise at 5,000 cycles
 Overall Response Range 80 to 7,000 cycles
 Matching Transformer Output Impedance: 250 ohms
 Cord Length: 30 feet including plug
 Dimensions: Microphone Unit: 1 $\frac{7}{16}$ " x 1 $\frac{1}{16}$ " x 1 $\frac{1}{16}$ "
 Transformer: 1 $\frac{3}{4}$ " x 1 $\frac{1}{8}$ " x $\frac{7}{8}$ "

Weight

Microphone Unit: 3 $\frac{1}{4}$ ozs.
Transformer: 3 $\frac{1}{4}$ ozs.

Shipping Weight: Approx. 1 $\frac{1}{2}$ lbs. (entire unit)
 Code: VLAWI

LIST PRICE \$44.35



MI-4005-A

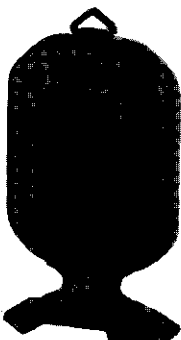
RCA SOUND POWER MICROPHONE MI-4005-A

Primarily designed for close talking purposes, and particularly suitable for outdoor applications. Free from hiss and background pickup. Widely used in outdoor sound installations, Amateur Radio Stations, and other points where good fidelity and rugged construction are necessary. Supplied with 30' shielded cable and floor stand adapter.

Output Level -90 db. to -50 db. at 2,500 cycles
 Impedances 125 ohms to 5,000 ohms
 Type of Operation Pressure
 Finish Antique Bronze

Dimensions.. Width 3"; Height 5"; Base Diameter 3"
 Weight 2 lbs. 12 oz.
 Code: VLYYM

LIST PRICE \$35.45



MI-6225

RCA DOUBLE BUTTON CARBON MICROPHONE MI-6225

An exceptionally good double button RCA Carbon Microphone, designed for close talking and announce purposes. Neat and compact. Can be held in the hand, or conveniently placed on a desk. Small size eliminates obstruction to speaker's view. 12 feet of shielded cable supplied.

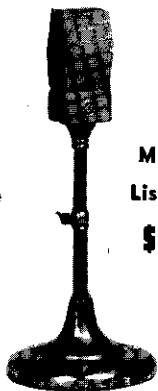
Dimensions 3 $\frac{1}{2}$ " wide, 6" high, 2" deep
 Finish Dark Brown
 Cable 12', 3-conductor silk covered, less plug

Net Weight 2 lbs.
 Shipping Weight 4 lbs.
 Code: TUGEJ

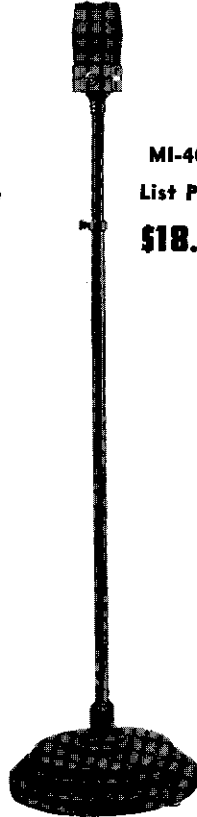
LIST PRICE \$10.50



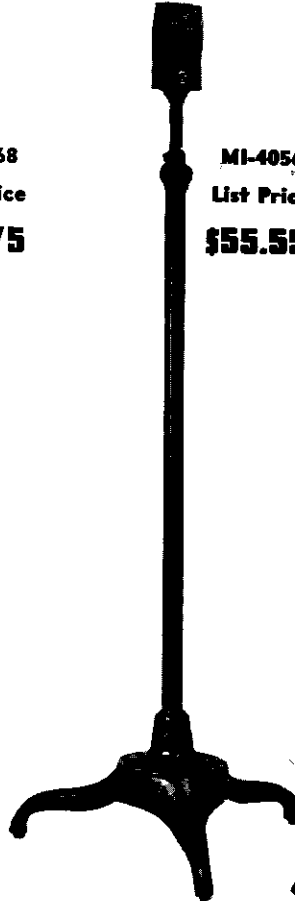
MI-4069
List Price
\$1.60



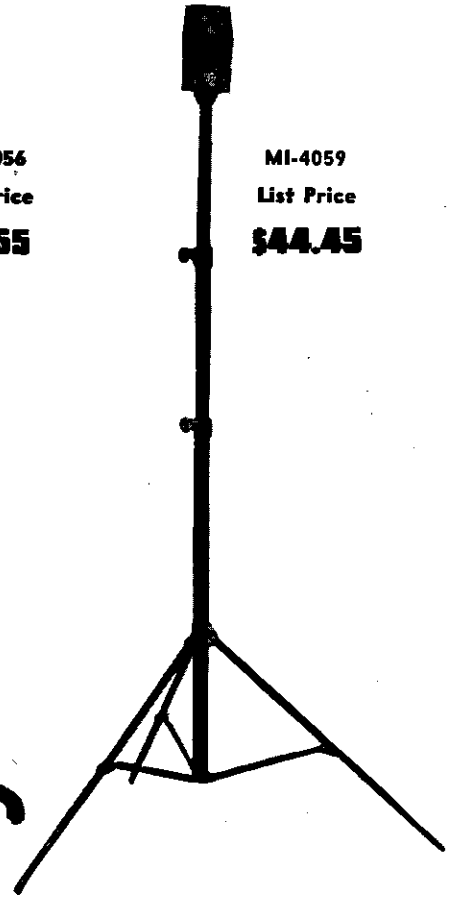
MI-4065
List Price
\$9.75



MI-4068
List Price
\$18.75



MI-4056
List Price
\$55.55



MI-4059
List Price
\$44.45

MICROPHONE STANDS

These Microphone Stands are of excellent quality, and are very attractively priced:

STUDIO FLOOR STAND MI-4068—designed for general use and will accommodate all microphones in the RCA Microphone Family. Its pleasing appearance and modernistic design make it especially suited for Public Address or Studio work. The weight of the heavy base precludes all possibility of its being knocked over while in use. The height of the stand is adjustable from 37" to 67". An easily operated positive locking device holds the microphone at any desired height. Finished in statuary bronze; the base is of brown crackle.

ADJUSTABLE BANQUET STAND MI-4065—finished in statuary bronze. Adjustable from 11" to 16".

TABLE STAND MI-4069—Gun-Metal finish. 11" in height.
MI-4056—heavy, substantial Program Stand, bronze finish. Adjustable in height from 56" to 81". Dashpot device permits lowering the microphone smoothly and without jolting when the catch is released, and can be locked in position.

COLLAPSIBLE STAND MI-4059—collapsible Microphone Stand for portable use. Weighs only three pounds, finished in oxidized bronze. Length: collapsed, 31"; extended, 72".

RCA TWO-POSITION PORTABLE MIXER

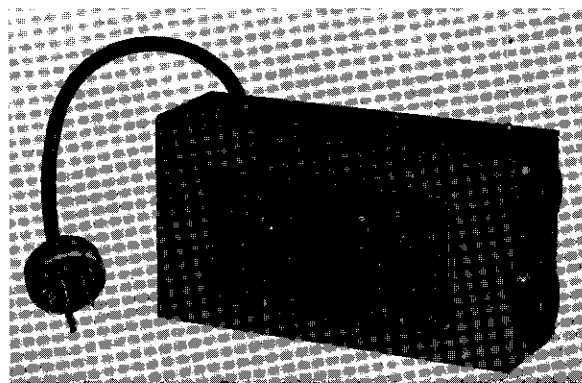
Whenever it is desired to use 2 microphones with the PG 62-E RCA Portable Sound System, this Two-Position Mixer makes this easily possible. The input impedance to each pad is 250 ohms, while the output impedance of the Mixer is 125 ohms. A switch is included in the output of each mixer pad to isolate either unit when desired. Two 3-pole receptacles are provided for the microphone inputs. A short cable with plug is provided for attaching the unit to the Amplifier.

MI-4116. List Price: \$77.75

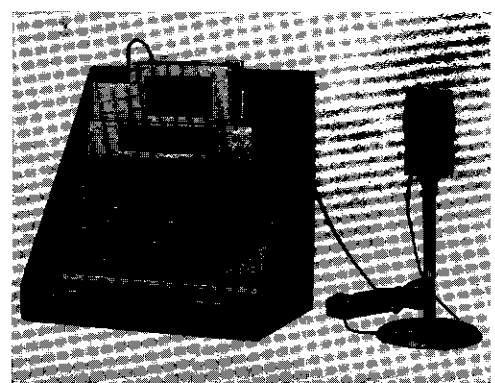
PERMANENT MOUNTING MIXER

Permanent mounting two-position Mixer. Same as MI-4116, but designed for permanent installation. These Two-Position Mixers are designed for use with the Pre-Amplifier, MI-4231 (see Page 12), whenever this unit is employed with other amplifiers. Case is provided with 3/4" knockouts.

MI-4113. List Price: \$77.75



(Right)
Two-Position
Mixer Properly
Installed on
Base of PG 62-E
Voltage
Amplifier.



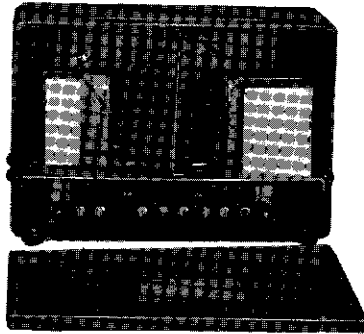
RCA HIGH QUALITY AMPLIFIERS

RCA Engineers have developed the most faithful reproducing amplifiers it is possible to manufacture. They have always adhered strictly to the principle of coordination of design, i.e., each part preceding the other is positively matched with the part next involved in the circuit design.

As a result of this RCA policy every amplifier manufactured by RCA proves entirely adequate and satis-

factory for the purpose it was intended. Customers are entirely satisfied not only with the remarkable performance of RCA amplifier equipment but likewise are very complimentary in their remarks of appreciation regarding the performance and the low cost of maintenance.

Equipment of this kind insures a profitable position in the Commercial Sound Business for you.

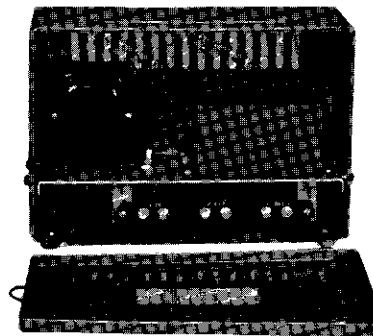


PRE-AMPLIFIER MI-4202

List Price
\$37.50

(less RCA Tubes)
RCA Tubes \$1.98

Will drive any amplifier with 250 ohms input, which has an input level equivalent to a carbon microphone or a phonograph unit. Has a gain of 57 db. from 16,000 ohm impedance input to 250 ohms impedance output. Maximum output, 2½ volts. Power supply required, 180 volts, 4 M.A., DC. Dimensions, 4½" x 7" x 10". Net weight, 5¾ lbs. Shipping weight, 7 lbs. Finish, Gray Wrinkled. Tube requirement, 2 RCA-77. Code: CROUV. Operates in connection with MI-4302 Power Supply.



POWER SUPPLY MI-4302

List Price
\$36.50

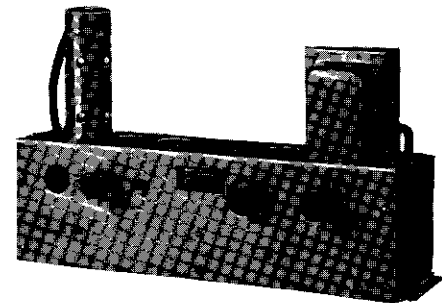
(less RCA Tube)
RCA 84—\$1.25

Designed to supply power for Pre-Amplifier MI-4202. Output, 180 volts, 4 M.A., DC. Operates from 105 to 120 volt AC source, 50/60 cycles. Tube requirement, 1 RCA-84. Net weight, 6¼ lbs. Shipping weight, 7½ lbs. Finish, Gray Wrinkled. Code: CROTU.

6-WATT AMPLIFIER MI-4280

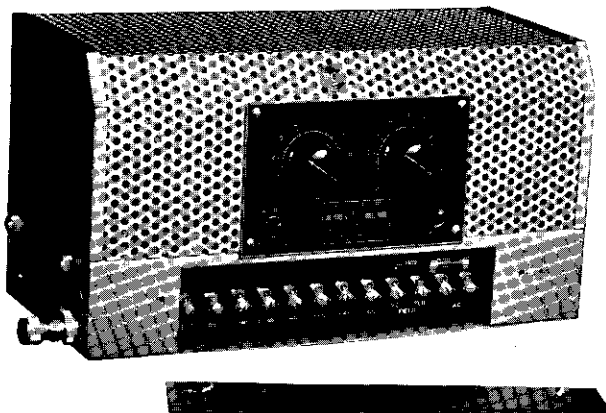
List Price **\$55.90** Set of RCA
(less RCA Tubes) Tubes \$3.42

Intended for general applications where high quality 6-watt output is required. For use with either phonograph or double button carbon microphone input. Particularly adapted for call systems in restaurants, hotels, or similar applications. Thoroughly shielded, three stage Class "B" amplifier. Output impedances are 15, 7½ and 4 ohms. Overall gain, 66 db., undistorted output 6 watts. 105 to 125 volts, 50/60 cycle AC. Net weight, 12 lbs. Shipping weight, 21 lbs. 6' power cord furnished. Tube complement, 1 RCA-80, 1 RCA-56, 1 RCA-57, 1 RCA-53. Code: CRAIX.



RCA AMPLIFIER MI-4283

List Price **\$76.95** Set of RCA
(less RCA tubes) Tubes \$5.84



Specially designed for general sound re-enforcement purposes, such as the amplification of Public Address, Radio and Phonograph programs. This four stage amplifier has an input impedance of 16,000 ohms for use with MI-4010A Velocity microphone or equivalent. The output impedances are 15, 7½ and 4 ohms. Field excitation for two 1000 ohm electro dynamic speaker in series is provided. A built-in power supply forms a part of the unit. It is capable of delivering 12 watts (25 watts Max.), Class A, undistorted output and has an overall gain of 110 db. The frequency range is from 50 to 10,000 cycles. Power supply 110 volt—50/60 cycle AC.

Equipped with tone control, volume control, music-speech switch, radio and phonograph inputs. Specially designed input plug furnished with amplifier. Complete in every detail, except Radiotron tube complement.

TUBE COMPLEMENT: 3 RCA-42, 1 RCA-75, 1 RCA-6-C-6, 1 RCA 5-Z-3, Code: SCABM.

EXTREMELY FLEXIBLE RCA AMPLIFIER SYSTEM

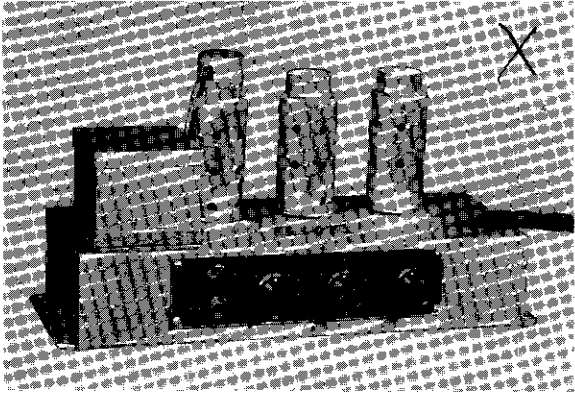
In this equipment, RCA offers a most flexible Amplifier System. You can start with 20 watts of power and build the system up to 80 watts output. This feature is particularly desirable in 20-watt installations when there is a possibility of requiring more power at a later date. It makes possible the addition of speakers to other parts of a building, at very small extra cost.

The handsome and durable metal cabinet which houses the Pre-Amplifier and 20-watt Amplifiers provides a neat appearing installation and makes the

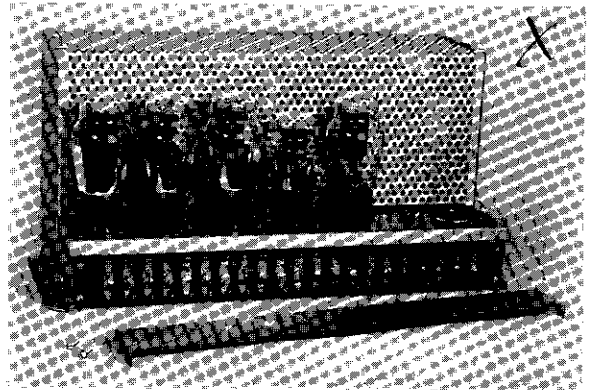
equipment tamper-proof.

In order to provide flexibility this amplifier has been built with the Voltage and Power units on separate bases in chassis form, which makes it possible for one voltage amplifier to efficiently drive up to four power amplifiers, with a total of 80 watts output.

The overall gain is such that it is unnecessary to use extra pre-amplifiers for picking up sound from large orchestras or sound several feet away from the microphone.



MI-4231



MI-4256

VOLTAGE AMPLIFIER MI-4231: The voltage amplifier contains the input transformer, three stages of audio amplification, microphone volume control, master volume control, tone control, music voice switch, and provisions for phonograph and radio input.

The input transformer has been designed with two inputs—500 ohms and 250 ohms.

Two volume controls are provided—one for separate control of microphone input, the second for master control of the amplifier. Code: CREMX.

LIST PRICE (less RCA Tubes) \$53.25
RCA Tubes \$2.27

POWER AMPLIFIER MI-4256: The power amplifier contains the power transformer, one driver tube, two power tubes, two rectifier tubes, output transformer, and a board with 21 screw terminals for making connections to speakers and the voltage amplifier.

The output transformer is ruggedly designed and built to reduce the possibility of cross talk to a minimum when the units are used on separate channels and the output wires are all carried in the same conduit. The standard output impedances using the balanced center tap are 250, 60, 15, 7½ and 4 ohms. Used as a straight output transformer—neither side grounded—approximately 26 different impedance couplings can be obtained ranging from one ohm to 250 ohms.

Power Output: 20 watts +32 db. output level

Gain: 108 db.

Frequency Response: ±½ db., 50 to 10,000 cycles

	Voltage Amplifier	Power Amplifier
Radiotrons	1 RCA-57	1 RCA-59
required:	2 RCA-56	2 RCA-2A3
		1 RCA-83
		1 RCA-80

Operating Source: 105/125 volts, 50 to 60 cycles

Voltage Amplifier Dimensions: 13½" long, 7¼" high, 6⅞" deep

Power Amplifier Dimensions: 16¼" long, 8" high, 7¾" deep

Net Weight: 36 lbs.

Shipping Weight: 56 lbs.

Supplies field excitation for one or two electro-dynamic speakers (1000 ohms each)

Code: CREKV

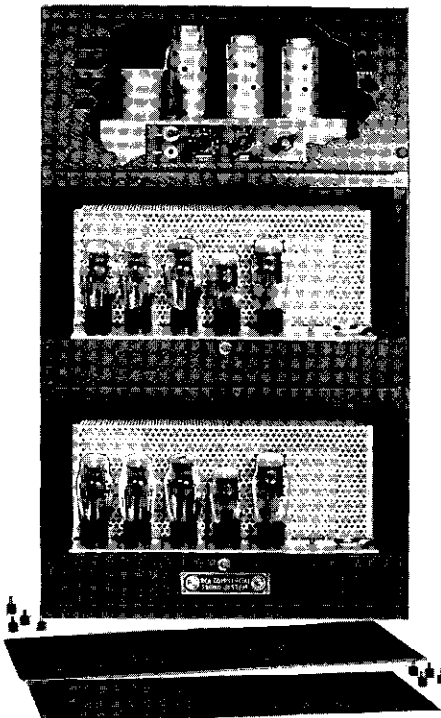
LIST PRICE (less RCA Tubes) \$82.10
RCA Tubes \$5.23

RCA AMPLIFIER CABINET MODEL MI-4538: Designed as an attractive and compact housing for the Pre-amplifier and amplifier combinations. Adequate and easily accessible space is provided for mounting the various units and combinations of amplifier equipment. The entire self-contained assembly can be placed in any desired location or attached to the wall if necessary.

LIST PRICE \$33.25

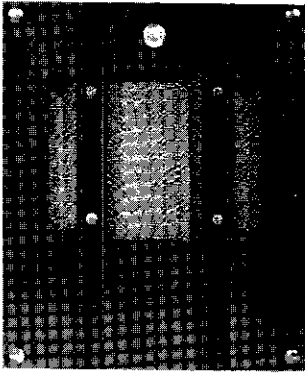
Dimensions: 17⅞" x 30" x 10"
Shipping Weight: 40 lbs.

Net Weight: 25 lbs.
Code: CRELW

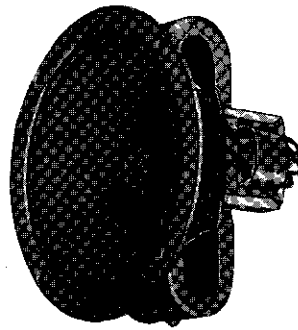


MI-4538

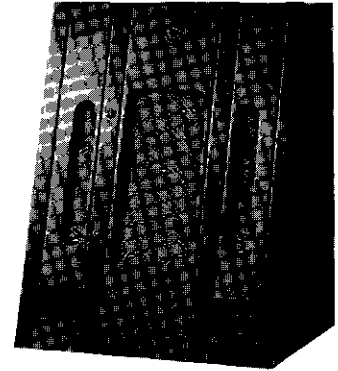
RCA PERMANENT FIELD DYNAMIC SPEAKERS



MI-6283



MI-6270-C



MI-6280

The application of Permanent Field Dynamic Speakers with exceptionally good tone response, such as the RCA Speakers MI-6270-C and MI-6240-B, greatly reduces cost of installation. These speakers can be mounted either externally, in special RCA housings, or in the walls by making use of RCA Plaques.

RCA PERMANENT FIELD DYNAMIC SPEAKER, MI-6270-C: Quality performance is equal to that of a well-designed Electro-Dynamic Speaker using the same cone construction. Voice coil impedance is 15 ohms, and the matching impedances range from 225 to 5,000 ohms.

Maximum Input: 3 watts Net Weight: 4 lbs.
Overall Outside Dimensions: Code: TUHUN

6⁹/₁₆"
Maximum Depth: 3¹/₄"
Shipping Weight: 8 lbs.

LIST PRICE \$8.15

SPEAKER HOUSING, MI-6280: This cabinet is of rubbed dark walnut finish, of conservative design and appearance. The sloping front permits sound to be properly projected downward when in the wall mounting position. When used as a portable or table mounted unit, the effect is equally pleasing and correct. Brackets are supplied for wall mounting.

Dimensions: Width, 9¹/₈"
Height, 12¹/₂"
Depth, 7"

LIST PRICE \$5.70

Code: CREJU

RCA PLAQUE, MI-6283: Designed to harmonize with average decorative schemes. Best grade veneer wood is used. Finish, durable dark walnut. For mounting MI-6270-C or similar speaker.

Accessories: 4 mounting screws,
4 lock-crowners
and washers and
4 speaker mounting screws.

Size: 11¹/₂" x 13¹/₂" x 1¹/₂"
Net Weight: 1 lb.
Shipping Weight: 2 lbs.

LIST PRICE \$2.35

Code: CREHS

Steel speaker wall box, MI-6161-A, is available for flush mounting Speaker MI-6270-C. Dimensions, 10" x 12" x 4". 1/2" knock-outs provided.

LIST PRICE 90c

RCA PERMANENT FIELD DYNAMIC SPEAKER, MI-6240-B: Ruggedly designed, with a sensitivity far greater than that of any similar type Commercial Sound Speaker on the market. 5 watts input. 15-ohm voice coil. Input impedances ranging from 225 to 5,000 ohms.

Dimensions: 10¹/₄" diameter, Code: TALAR
5¹/₄" deep

Shipping Weight: 14 lbs.
Net Weight: 11 lbs.

LIST PRICE \$12.55

HOUSING, MI-6285: Finished in rubbed dark walnut, with sloping front, which permits sound to be properly projected downward. Also very effective when used as a portable or table mounted unit. Brackets are supplied with the cabinet for wall mounting.

Dimensions: 16¹/₂" x 13¹/₂" Code: CREIT
Depth, 10¹/₄"

Shipping Weight: 20 lbs.
Net Weight: 14 lbs.

LIST PRICE \$8.90

RCA PLAQUE, MI-6288: Harmonizes with average decorative schemes. Finished in durable dark walnut, conservatively designed. For mounting MI-6240-B or similar type speakers.

Size: 12³/₈" x 14³/₈" x 1¹/₂"
Net Weight: 1 lb.

Shipping Weight: 2 lbs.

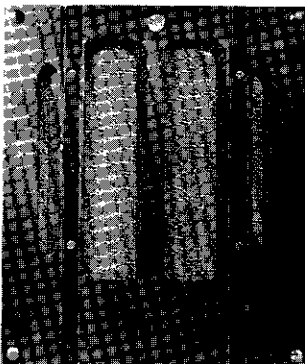
LIST PRICE \$3.25

Accessories: 4 mounting screws,
4 lock-crowners
and washers and
4 speaker mounting screws.

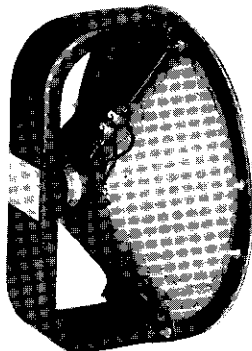
Code: CREGR

Channel selector switch
with escutcheon plate—
installed on plaques or
housings

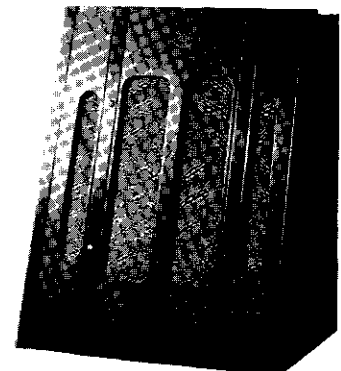
LIST PRICE \$4.35



MI-6288

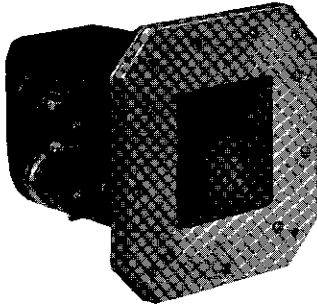


MI-6240-B



MI-6285

RCA HIGH FIDELITY ELECTRO-DYNAMIC SPEAKERS AND Baffles



MI-1425-A

RCA HIGH-FIDELITY SPEAKER MECHANISM, MI-1425-A:

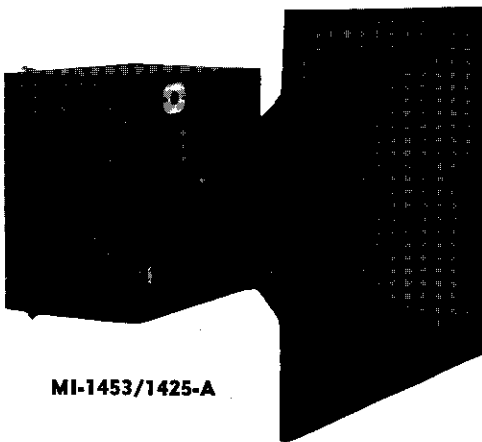
This standard powerful, ruggedly constructed Dynamic Speaker unit was developed for use in theatres, auditoriums, and other large institutions where the true, life-like reproduction of sound is essential. A tremendous demand for this speaker has been experienced. For that reason, RCA has developed several baffles which can be used in conjunction with this unit, thereby permitting wide-spread use of this, the most faithful reproducer.

In order to obtain a greater frequency range, a special aluminum voice coil is used. To reduce the length of the directional projector required, the cone was reduced to 6" in diameter, and loaded with a 4" square aluminum throat.

Voice Coil Impedance: 15 ohms
 Cone with Aluminum Throat: 6" in diameter
 Overall Dimensions: 8" x 8" x 8"
 Field Excitation: 10 to 18 watts
 Field Voltage: 100 to 140 volts

Field Current: 100 MA
 Input: 10 watts continuously.
 Net Weight: 26 lbs.
 Shipping Weight: 30 lbs.
 Code: CRAYM

LIST PRICE \$44.45

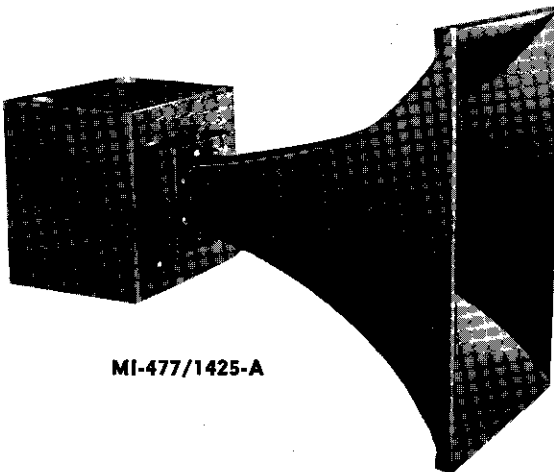


MI-1453/1425-A

RCA DIRECTIONAL SOUND PROJECTOR, MI-1453/1425-A:

Wide angle projector, designed for high reverberation conditions. Excellent voice reproduction, with low frequency cut-off. Specially designed for public address work. Ruggedly constructed, and highly efficient. Delivers large acoustic outputs. Requires minimum amount of space—only 25". Efficiency, 25%. Distribution angle, 60°. Length 25", width 25", height 25". Net weight, 50 lbs. Shipping weight, 85 lbs. Material, wood. Finish, black. Code: CRERB.

LIST PRICE, Complete With MI-1425-A Speaker Mechanism \$88.90



MI-477/1425-A

RCA DIRECTIONAL SOUND PROJECTOR, MI-477/1425-A:

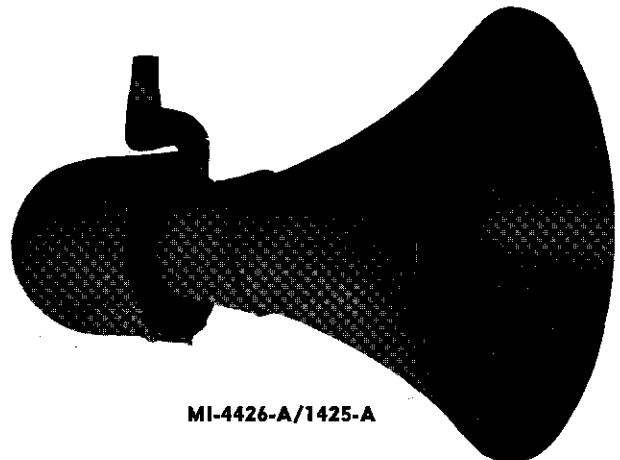
This sound projector is specially designed for auditoriums in the construction of which very little attention has been paid to "acoustics." In such places, it is generally necessary to reduce the low frequency response in order to obtain satisfactory results. This baffle eliminates "boominess," and consequently provides a more pleasing and richer tone. The distribution angle of the baffle is 70° horizontally and 55° vertically, maintaining uniform intensities of sound at all points within the specified angles. Requires but 42" overall clearance space. Overall efficiency, 25%. Dimensions, 40 1/4" long, 30" wide, 20" high. Net weight, 57 lbs. Shipping weight, 90 lbs. Material, wood. Finish, black. Code: WOYEZ.

LIST PRICE Complete With MI-1425-A Speaker Mechanism \$88.90

RCA WEATHERPROOF DIRECTIONAL SPEAKER, MI-4426-A/1425-A:

Metal directional baffle loudspeaker for outdoor use. Thoroughly waterproofed by means of special screens and cloth. Bell of spun aluminum. Finished in three coats of battleship gray paint. Very easily mounted on pipe frame. Speaker can be tilted or rotated in any angle desired. Efficiency, 25%. Distribution angle, 60°. Dimensions, 33" long, 22" mouth diameter. Net weight, 64 lbs. Shipping weight, 110 lbs. Material, metal. Finish, gray. Code: YXDEZ.

LIST PRICE Complete With MI-1425-A Speaker Mechanism \$122.00

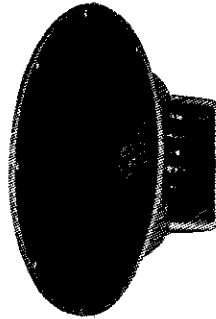


MI-4426-A/1425-A

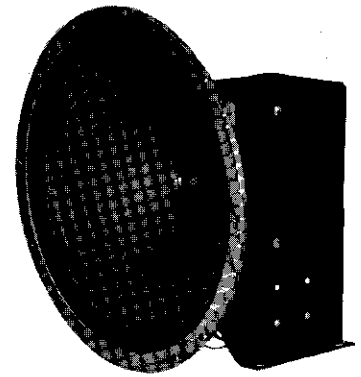
RCA HIGH FIDELITY ELECTRO-DYNAMIC SPEAKERS WITH BAFFLES

8 $\frac{1}{4}$ " ELECTRO-DYNAMIC SPEAKER, MI-6245: An especially good 8 $\frac{1}{4}$ " Dynamic Speaker. Will safely handle 10 watts of power continuously. Field coil, 1,000 ohms. Voice coil impedance, 2 ohms. Net weight, 3 $\frac{3}{4}$ lbs. Shipping weight, 5 lbs. Dimensions, 8 $\frac{1}{4}$ " in diameter, 4" deep. Specially suited for use with new RCA Baffle MI-4428 shown below. Code: SCADO.

LIST PRICE **\$6.45**



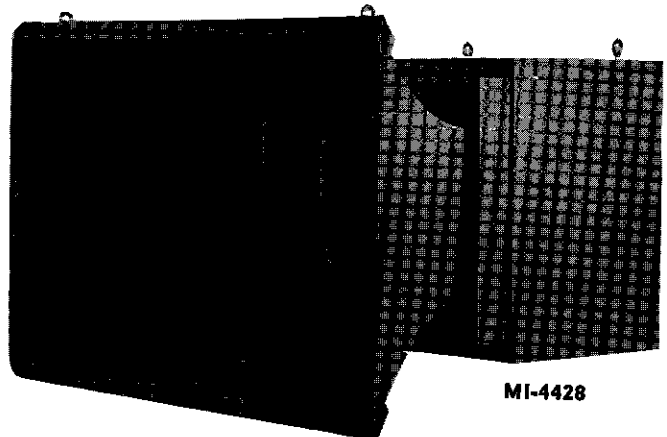
MI-6245



MI-6243

12 $\frac{1}{4}$ " ELECTRO-DYNAMIC SPEAKER, MI-6243: Special Dynamic Speaker with aluminum voice coil, with greatly increased frequency range. 12-ohm voice coil connected to a matching transformer, having a number of taps, making it possible to obtain matching impedances ranging from 800 ohms to 8800 ohms. Field coil is enclosed in a metal housing, which also forms a base for mounting. Will safely handle 10 to 15 watts of power continuously. Excellent low-frequency response, together with a smooth overall response. Field, 100 to 140 volts, 100 M.A. Dimensions, 12 $\frac{5}{16}$ " diameter x 12 $\frac{1}{2}$ " high x 8 $\frac{3}{4}$ " deep. Finish, black wrinkled. Dust shielded. Net weight, 21 $\frac{1}{2}$ lbs. Shipping weight, 25 lbs. Specially suited for use with RCA Baffle MI-4428 shown below. Code: CROVW.

LIST PRICE **\$22.50**



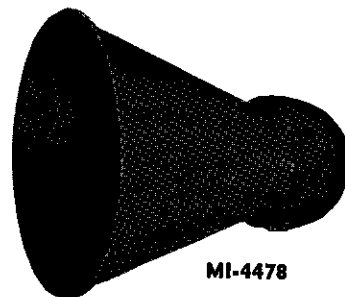
MI-4428

MI-4428 WOOD BAFFLE: A new RCA development. Semi-weatherproof wood baffle, with high-frequency equalizers. Will house either 8" or 12" Dynamic Speakers, and has a distribution angle of 90° horizontal and 50° vertical. Bell mouth size, 27 $\frac{3}{4}$ " x 17 $\frac{3}{4}$ ". Depth of baffle, 27" overall. Bell, 15" deep. Speaker housing, 12" x 14 $\frac{1}{2}$ " x 14 $\frac{1}{2}$ ". Acoustically treated. Finish, baked durable gray crinkle. Net weight, 28 lbs. Shipping weight, 53 lbs. Mounting, substantial eyelets provided. Code: SCAEP.

LIST PRICE **\$22.50**

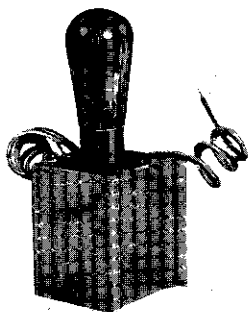
DIRECTIONAL SOUND PROJECTOR, MI-4478: For public address work, where a short directional baffle is required, and no field excitation is available. A low wattage unit, utilizing a ruggedly built permanent field dynamic speaker unit. Easily mounted on pipe stand or pipe framework. Bell and rear cover are made of metal. Finished with three coats of battleship gray paint. Semi-weatherproof. Distribution angle, 70°. Voice coil impedance, 15 ohms. Dimensions, 20 $\frac{1}{2}$ " long, 17 $\frac{1}{2}$ " mouth diameter. Net weight, 11 lbs. Shipping weight, 22 lbs. Finish, gray. Code: VLAAT.

LIST PRICE **\$30.00**



MI-4478

RCA SOUND SYSTEM ACCESSORIES



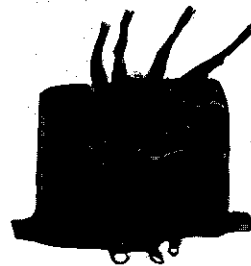
MI-4352

LOUDSPEAKER FIELD SUPPLY UNIT, MI-4352:

Provides field excitation for one standard 10 watt, 1/10 ampere, 100 volt DC field. Operates from 110 volt, 60 cycle AC source. Dimensions, 4" x 4" x 3 $\frac{3}{32}$ ". Tube complement, 1 RCA-80. Net weight, 3 $\frac{1}{2}$ lbs. Shipping weight, 6 lbs. Code: VLAEV. LIST PRICE \$11.00 (less tube) RCA 80-59c

MATCHING TRANSFORMER, MI-6278:

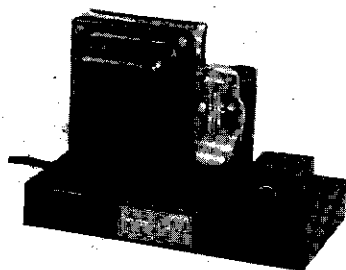
Designed for matching 15 ohm voice coil speakers to Commercial Sound audio system circuits. A tapped secondary makes it possible to operate a large number of speakers from 1 audio circuit. Maximum audio power, 5 watts. Dimensions, 1 $\frac{3}{4}$ " x 2" x 2 $\frac{3}{4}$ ". Net weight, 6 oz. Shipping weight, 12 ozs. Code: CRAJY. LIST PRICE \$6.70



MI-6278

LOUDSPEAKER FIELD SUPPLY, MI-6230:

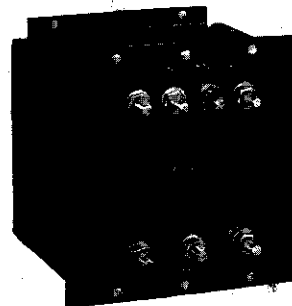
Provides field supply for three 1,000 ohm, 1/10 ampere speaker fields connected in series. Thoroughly filtered. Provided with 6' power cord. Output, 340 volts, 112 M.A. Dimensions, 4 $\frac{3}{4}$ " x 8 $\frac{1}{2}$ " x 6 $\frac{1}{4}$ ". Tube complement, 1 RCA-80. Net weight, 8 $\frac{1}{2}$ lbs. Shipping weight, 14 lbs. Code: CRATH. LIST PRICE \$48.00 (less tube) RCA 80-59c



MI-6230

SPEAKER MATCHING TRANSFORMER, MI-4603:

For matching variable types and numbers of speakers. Over 20 combinations possible. Designed to handle the full output of any amplifier up to 40 watts. No frequency loss between 35 cycles and 14,000 cycles. Dimensions, 5" x 5 $\frac{1}{8}$ " x 5 $\frac{3}{4}$ ". Net weight, 9 lbs. Shipping weight, 15 lbs. Code: CRAQE. LIST PRICE \$30.00



MI-4603

STANDARD TELEPHONE PLUG, MI-6216-A:

Extremely rugged and practically indestructible telephone plug, with riveted tip. LIST PRICE 35c



MI-6216-A

MI-18: Special 2 conductor shielded cable for audio frequency distribution systems. 6 different color codes available. LIST PRICE \$32.45 M feet



MI-18

Commercial Sound Section

RCA MANUFACTURING COMPANY, INC.

CAMDEN, NEW JERSEY

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