



 **SOUND
PRODUCTS**

CATALOG • 217



RCA SOUND and PICTURE EQUIPMENT • RADIO CORPORATION OF AMERICA
Camden New Jersey



Foreword

This catalog comprises only those items which are now currently used in sound installations carrying priorities.

The Sound and Picture Division is contributing in every way possible to the war effort, and it is gratifying to know that RCA sound is playing an important part in the vitally necessary task that now confronts us.

The fact that items not ordinarily included in industrial installations have been dropped from this catalog is not significant. We feel sure that conditions in the post-war period will again permit us to offer a full and comprehensive line of sound equipment for every purpose.

At the present time nothing else but winning this war is important, and it is gratifying to know that RCA sound is expediting the military and industrial effort.

This interim catalog is presented, therefore, to assist you in knowing what items are available under priorities.

INDEX

	Page No.		Page No.
AMPLIFIERS AND ACCESSORIES	6 to 10	PORTABLE SOUND SYSTEM	19
6 and 15 watt.....	6	REFERENCE DATA	26-27
25 watt.....	7	Suggestion for Loudspeaker Matching.....	26
50 watt Standard.....	8	Tube Complements.....	27
50 watt DeLuxe.....	9	SPEAKERS	12 to 18
Accessories.....	10	Accessories.....	18
AMPLIFIER CABINETS	11	Baffles.....	16
ALARM SIGNAL GENERATORS	23	Housings.....	16
ANTENAPLEX	24-25	Sound Beam Speakers.....	12-13
Multi-Wave.....	24	Sound Projectors.....	15
Standard.....	25	Speaker Mechanisms.....	14
BAFFLES —(See Speakers).....	16	Special Speakers.....	17
CARILLON (Electric Bells).....	11	TELEKOMS (Inter-Communicating Systems).....	20 to 23
MICROPHONES AND ACCESSORIES	3 to 5	50 Series.....	23
Microphones.....	3-4	70 Series.....	20
Microphone Stands and Accessories.....	5	Executive Series.....	21
		President Series.....	22



M I C R O P H O N E S



MI-6203 (low impedance)—Code SNAQL
MI-6204 (high impedance)—Code SNARM

RCA VARACOUSTIC MICROPHONE

The RCA Varacoustic Microphone is of entirely new design. A slide adjustment changing the physical characteristics of the labyrinth permits choice of non-directional, bi-directional or directional operation. In addition, these three main directional characteristics may be further modified to suit particular requirements. Wide and flat frequency response makes this microphone excellent for use under high reverberatory conditions. Especially suggested for stage use where it is desired to obtain stage pick-up and to keep out auditorium noises. Supplied in either high or low impedance models, attractively finished in gray wrinkle, the Varacoustic model fills an important microphone need.

SPECIFICATIONS

FREQUENCY RANGE—60-10,000 Cycles
 OUTPUT LEVEL—50db*, 10 bar, open circuit.
 OUTPUT IMPEDANCE—MI-6203 — 250 ohms. MI-6204—40,000 ohms.
 CABLE—15 feet (less plug)
 FINISH—Gray Wrinkle.
 FITTING— $\frac{1}{8}$ " Pipe Thread Adaptor for $\frac{1}{8}$ " to $\frac{3}{8}$ "—27 Fixture Thread.
 NET WEIGHT—3 $\frac{1}{2}$ lbs.
 DIMENSIONS—2 $\frac{1}{2}$ " W., 2 $\frac{3}{8}$ " D., 6 $\frac{1}{8}$ " H.
 REFERENCE LEVEL—1 Milliwatt

MICROPHONE ADAPTORS

$\frac{5}{8}$ "—27 fixture thread to $\frac{1}{8}$ " pipe thread used on MI-4068D, MI-6208 and MI-4096 stands for MI-6226L, MI-6206C, MI-6207B, MI-6202, MI-6205, MI-6203, MI-6204 or MI-6279B microphones.

MI-6229—Code SEHWB

$\frac{5}{8}$ "—27 fixture thread to $\frac{1}{2}$ " pipe thread used on MI-4068D, MI-6208 stand for MI-4036R microphone.

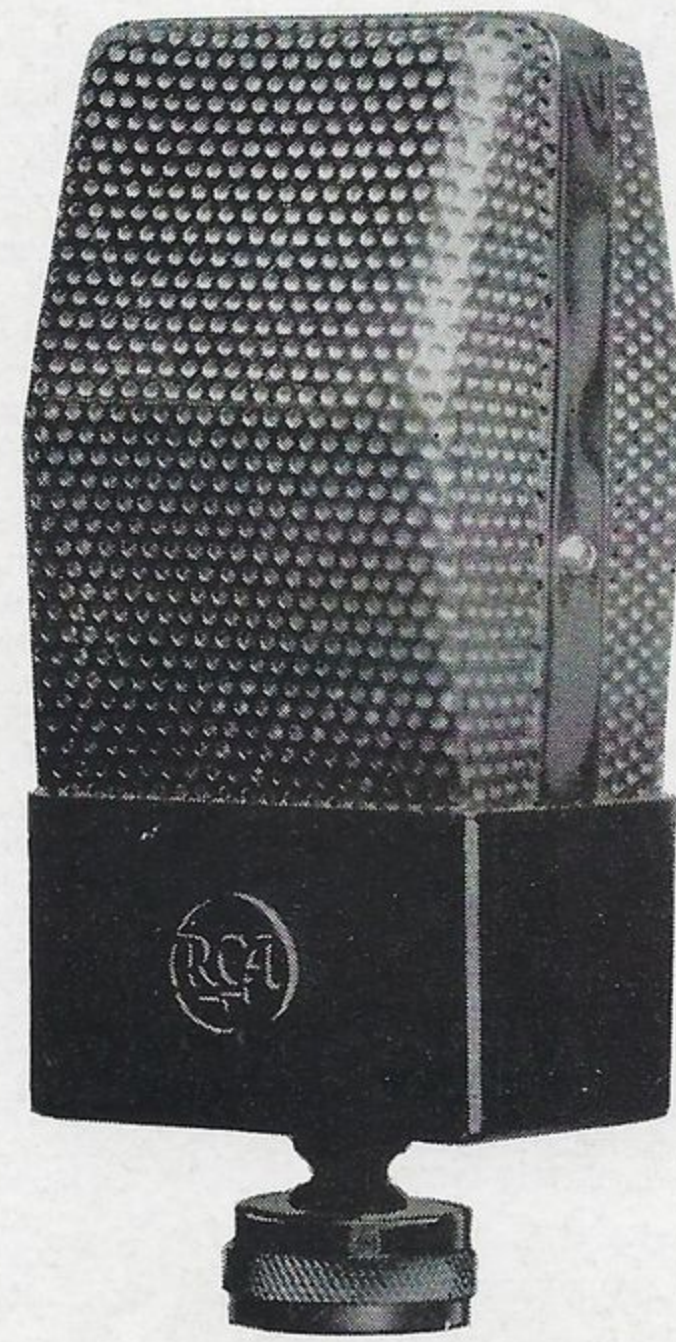
Stock No. 33543

$\frac{1}{8}$ " pipe thread (female) to $\frac{1}{2}$ " pipe thread (male), used on MI-6232A stand for MI-4036R microphone.

Stock No. 32212

$\frac{1}{8}$ " pipe thread (female) to $\frac{1}{8}$ " pipe thread (male) with ball joint and swivel adjustment. Used on MI-6232A stand for MI-6226L, MI-6202 or MI-6205 microphones.

Stock No. 30842



MI-4036R

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.

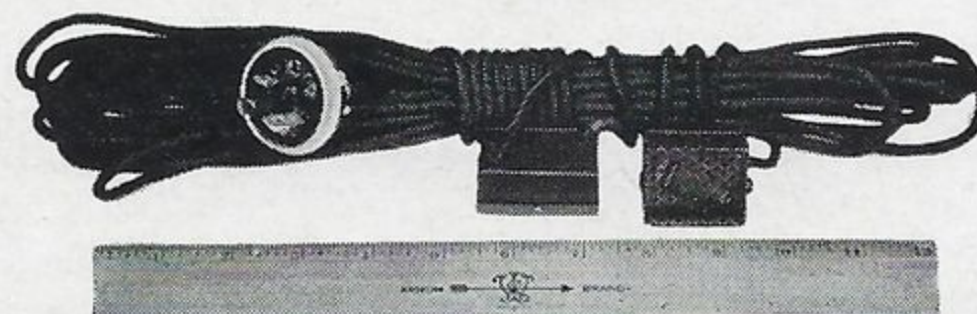
MI-4036R—Code SCHUY

SPECIFICATIONS

FREQUENCY RANGE—50-9,000 cycles.
 OUTPUT LEVEL—51 db* 10 bar, open circuit.
 OUTPUT IMPEDANCE—50, 250, 15,000 ohms.
 CABLE—15 feet (less plug).
 FINISH—Chromium and black.
 FITTING— $\frac{1}{2}$ " pipe thread.
 NET WEIGHT—3 $\frac{1}{2}$ lbs.
 DIMENSIONS—2 $\frac{3}{4}$ " W., 2 $\frac{1}{2}$ " D., 7 $\frac{3}{4}$ " H.
 *Reference level 1 milliwatt.

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.



MI-4001B—Code VLAWI

SPECIFICATIONS

FREQUENCY RANGE—80-7,000 cycles.
 OUTPUT LEVEL—69 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—1 $\frac{1}{16}$ " W., 1 $\frac{3}{16}$ " D., 1 $\frac{5}{16}$ " H.
 *Reference level 1 milliwatt.



MICROPHONES

RCA AEROPRESSURE MICROPHONE

This new RCA heavy duty general purpose pressure microphone, popularly priced, fills a general need for a flexible all-purpose microphone. Features include a Paracoustic baffle for directional or non-directional application, clevis mounting bracket, wide frequency response, high sensitivity and attractive appearance. Available in low and high impedance models.

MI-6206C (Low Impedance) Code SLEYN

MI-6207B (High Impedance) Code SLIGS

SPECIFICATIONS

FREQUENCY RESPONSE—60—10,000 cycles.

OUTPUT LEVEL—51 db* 10 bar, open circuit.

OUTPUT IMPEDANCE—MI-6206, 250 ohms.
MI-6207-40,000 ohms.

CABLE—15 feet. (less plug.)

FINISH—Black and Chromium.

FITTING— $\frac{1}{8}$ " pipe thread and adaptor for $\frac{5}{8}$ "
—27 fixture thread.

NET WEIGHT—2 $\frac{1}{2}$ lbs.

DIMENSIONS—6" long, 4" diameter.

*Reference level 1 milliwatt



MI-6206C
MI-6207B

RCA AERODYNAMIC MICROPHONE

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.

MI-6226L (Low impedance) Code SEELU

MI-6228K (High Impedance) Code SNAPK

SPECIFICATIONS

FREQUENCY RANGE—100—8,000 cycles.

OUTPUT LEVEL—57 db* 10 bar, open circuit.

OUTPUT IMPEDANCE—250 ohms.

CABLE—15 feet (less plug).

FINISH—Polished Chromium.

FITTING— $\frac{1}{8}$ " pipe thread and adaptor for $\frac{5}{8}$ "
—27 fixture thread.

NET WEIGHT—2 $\frac{1}{4}$ lbs.

DIMENSIONS—2 $\frac{5}{8}$ " W., 3 $\frac{3}{8}$ " D., 3" H.

*Reference level 1 milliwatt.



MI-6226L—MI-6279B
MI-6228K—MI-6205

RCA AEROCRYSTAL MICROPHONE

This new RCA Aerocrystal Microphone is a companion to the famous RCA Aerodynamic in the low priced microphone field. Housed in the popular RCA Aero case this new addition to the RCA microphone line is suited to all crystal microphone applications. Available in two models.

MI-6205 (General purpose) Code SLOCI

SPECIFICATIONS

FREQUENCY RESPONSE—30—10,000 cycles.

OUTPUT LEVEL—35 db* 10 bar, open circuit.

LOAD IMPEDANCE—0.25 to 3 megohms.

CABLE—12 feet (less plug).

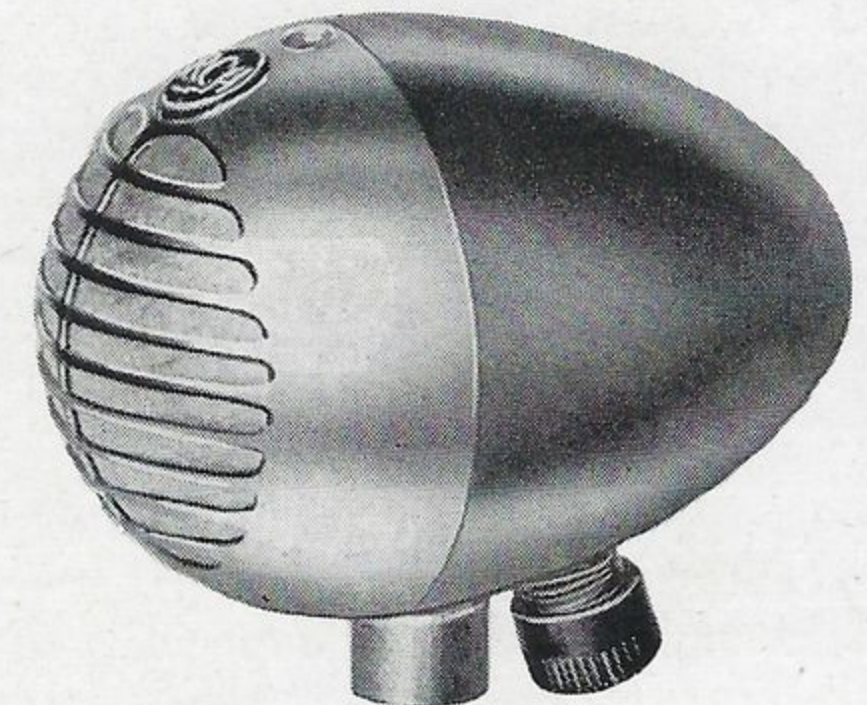
FINISH—Satin Chromium.

FITTING— $\frac{1}{8}$ " pipe thread and adaptor for $\frac{5}{8}$ "
—27 fixture thread.

NET WEIGHT—1 lb.

DIMENSIONS—2 $\frac{5}{8}$ " W., 3 $\frac{3}{8}$ " D., 3" H.

*Reference level 1 volt.



MI-6202

RCA AERODYNAMIC SPEECH MICROPHONE

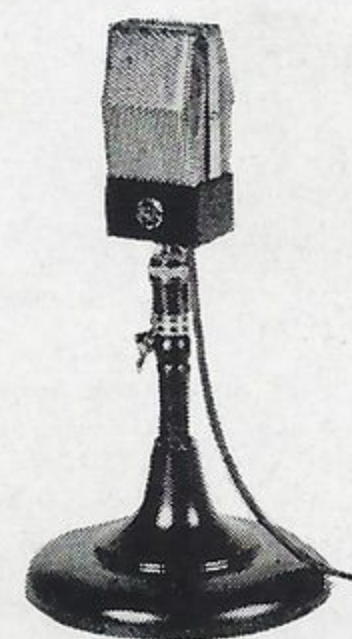
Especially designed for close talking speech applications and under adverse feed back conditions. This microphone is particularly suited for industrial installations where it is necessary to operate close to high-powered speakers. It is also suited for athletic field use where side-line announcements are made in the speaker beam, and for many other uses where the microphone is placed closely adjacent to a speaker. Specifications same as MI-6226L except frequency response is especially compensated for useful speech frequencies.

MI-6279B—Code SLEOD

RCA AEROCRYSTAL SPEECH MICROPHONE

This microphone is suitable for speech applications with large or small sound systems employing amplifiers with high impedance input. High output with frequency response compensated over the useful speech range, makes this microphone particularly useful for all announce applications requiring clear, crisp, intelligible speech capable of readily penetrating street and crowd noise. Specifications same as MI-6205 except compensated frequency response. Finished in brush chromium and umber gray.

MI-6202—Code SLOAG



M I C R O P H O N E S T A N D S

AERO MICROPHONE TABLE STAND

A striking, chromium-plated stand with black trimming. Makes an ideal table or hand stand. Has heavy felted base and is 6 inches in height. Fitting is for standard $\frac{1}{8}$ -inch pipe thread.

MI-6232A—Code SIBUJ



RCA ANNOUNCE STAND

This smartly designed announce stand is adjustable from 8 to $10\frac{1}{2}$ inches, ample for all announcing uses. It is finished in attractive chromium and black and features a heavy base. Has $\frac{1}{2}$ -inch standard pipe thread fitting.

MI-4096—Code SMYDA

RCA PUSHMIKEY STAND

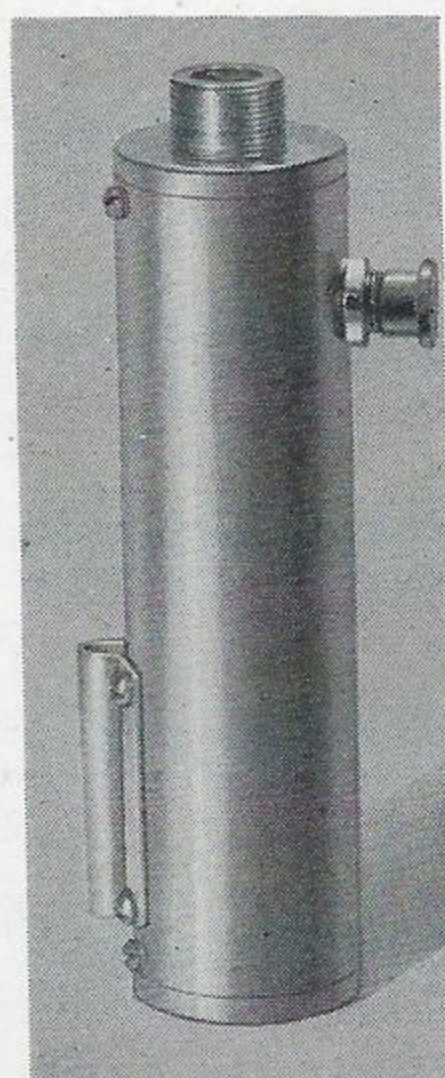
A new table stand with microphone switch suitable for all RCA aero type microphones. Switch permits turning microphone on and off right at the microphone and may be used for "push-to-talk" operation or locked in "talk" position. Chromium finish. Thread takes $\frac{5}{8}$ "—27 male or female.

MI-6427—Code SLORX

RCA 3-SECTION MICROPHONE STAND

A convenient stand for floor or banquet use—knocks-down into three sections for easy packing or carrying. Adjustable for floor use from 47" to 60", adjustable for banquet use from 18" to 31". Stand is finished in polished chromium. Ten inch heavy base finished in serviceable gun-metal crackle with satin-silver stripes. Standard $\frac{1}{2}$ " pipe thread fitting.

MI-6208—Code SHEEQ.



RCA STANDARD FLOOR STAND

A sturdy microphone floor stand with heavy base for use with any RCA velocity, pressure or uni-directional microphone. Can be used with RCA aero microphones by adding MI-6229 adaptor. Its modern appearance is in keeping with today's studio design, and its chromium and black finish harmonizes with all colors. Adjustable from 35 inches to 67 inches. Has $\frac{5}{8}$ "—27 thread, fitted with $\frac{1}{2}$ " pipe thread adaptor. Net weight, $14\frac{1}{2}$ lbs.

MI-4068D—Code SCAAL

RCA PUSHMIKEY ADAPTOR

A practical switch adaptor which may be used with floor or table stands or as a microphone hand grip for roving sports announce work. Switch permits push-to-talk operation of microphone, or switch may be locked in talk position. Eliminates necessity of running back to amplifier controls between announcements; switch can be turned to talk or silent position right at the

microphone. Equipped with a high quality, long leaf D.P.D.T. anti-capacity type switch, heavy cable clamp. Dimensions $4\frac{3}{4}$ " L., $1\frac{1}{16}$ " D., Net weight $\frac{3}{4}$ lbs. Thread size: Bottom $\frac{5}{8}$ "—27 fixture female. Top $\frac{5}{8}$ "—27 fixture female with added $\frac{5}{8}$ "—27 male nipple. Beautiful chromium finish.

MI-6425—Code SLOKQ



AMPLIFIERS



MI-12237

RCA 6-WATT AMPLIFIER

- Operates from all types High Impedance Microphones
- High and Low Impedance Phonograph Inputs
- High Gain—Excellent Frequency Response
- Tone Control

RCA 6-watt beam-power type amplifier operates from high impedance microphones and high or low impedance phonograph—a new departure in small amplifiers. High quality, full 6 watts output, modern styling in crackle gray finish. An outstanding value at a low price.

SPECIFICATIONS

GAIN—120 db.

FREQUENCY RESPONSE—40 to 10,000 cycles.

INPUT IMPEDANCE—Microphone high impedance phonograph low and high impedance

OUTPUT IMPEDANCE—4 to $7\frac{1}{2}$, $7\frac{1}{2}$ to 15 and 15 to 30 ohms.

TUBES—2 RCA-6J7, 1 RCA-6L6, 1 RCA-5Y3G.

POWER OUTPUT—6 watts normal, 12 watts maximum.

POWER REQUIRED—75 watts, 105/125 volts A.C., 50/60 cycles.

DIMENSIONS—11 $\frac{1}{2}$ " L., 7" D., 7 $\frac{1}{2}$ " H.

NET WEIGHT—11 $\frac{1}{2}$ lbs.

MI-12237—105/125 volts, 50/60 cycles A.C.—Code SMUIJ

MI-12237A—110/220 volts, 25/60 cycles A.C.—Code SMUNO

RCA 15-WATT AMPLIFIER

RCA medium power, high gain amplifier with two individually controlled input positions for microphone and phonograph, continuously variable tone control, music-speech switch, "power-on" pilot light, fuse accessible outside base, convenient sloping front control panel, crackle gray finish. The ideal amplifier in appearance and performance for all moderate powered installations.

MI-12222—105/125 volts, 50/60 cycles A.C.
Code SMIKX

MI-12222A—110/220 volts, 25/60 cycles A.C.
Code SMIQC

SPECIFICATIONS

GAIN—Microphone 125 db, phonograph 86 db.

FREQUENCY RESPONSE—30 to 10,000 cycles.

INPUT IMPEDANCE—Two of 500,000 ohms.

OUTPUT IMPEDANCE—4, $7\frac{1}{2}$, 15, and 250 ohms.

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

POWER OUTPUT—15 watts normal, 21 watts maximum.

POWER REQUIRED—105/125 volts A.C., 50/60 cycles, 120 watts.

DIMENSIONS—14 $\frac{1}{2}$ " L., 8 $\frac{3}{4}$ " D., 8 $\frac{1}{2}$ " H.

NET WEIGHT—16 lbs.

- High Output—15 to 20 Watts
- Dual Control—Intra-Tube Mixing
- Two High Impedance Inputs
- Tone Control
- Phonograph Input Jack



MI-12222



AMPLIFIERS

RCA 25-WATT AMPLIFIER

- Two microphone or phonograph pickup inputs
- Music-speech switch
- High frequency compensation control
- Dual input controls
- Inverse feed back

This new 25-watt, high impedance input amplifier is designed for use with either two high impedance microphones or for use with a low impedance and a high impedance phonograph pickup.

Controls are available for individually controlling the volume of the two input circuits. A voice-music switch is provided for changing the low frequency compensation, providing optimum values for both speech and music pickup. A continuously variable, high frequency tone control provides for high frequency compensation adjustment.

MI-12224—105/125 volts, 50/60 cycle A.C. Code SMOQX.

MI-12224-A—105/220 volts, 25/60 cycle A.C. Code SMORY.



MI-12224

SPECIFICATIONS

GAIN—40,000 ohm source—112db.

FREQUENCY RESPONSE—30-7000 cycles.

INPUT IMPEDANCE—2 microphone—220,000 ohms. Phono.—one high impedance, one low impedance.

OUTPUT IMPEDANCE—4, 7½, 15, 60 and 250 ohms.

TUBES—3 RCA 6J7, 2 RCA 6L6, 2 RCA 6C5, 1 RCA 5U4-G.

POWER OUTPUT—25 watts.

POWER REQUIRED—115 volts, 50/60 cycles, 165 watts.

DIMENSIONS—Length — 19", Depth — 9½", Height—10".

WEIGHT—Net—31 lbs., shipping—42 lbs.

RCA AUXILIARY MIXER



MI-12208

This two-position auxiliary mixer provides two additional low impedance input positions for local or remote control when used with MI-12211 or MI-12217 amplifiers, or as a preamplifier in connection with MI-4304 power unit.

MI-12208—Code SESAW

SPECIFICATIONS

FREQUENCY RESPONSE—40 to 10,000 cycles.

INPUT IMPEDANCE—Two of 250 ohms.

LOAD IMPEDANCE—200,000 ohms.

TUBES—2 RCA 1612.

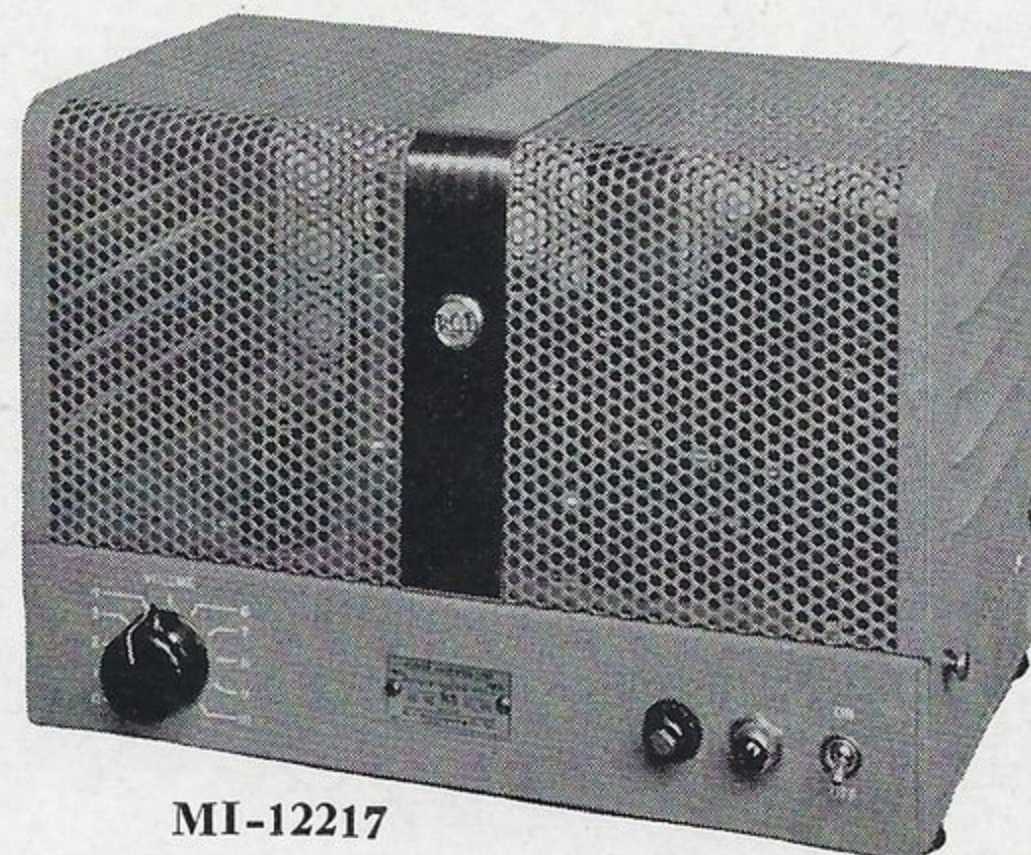
POWER REQUIRED—6.3 volts .6 amps. A.C., 275 volts 4 ma. D.C.

DIMENSIONS—6" L., 10½" D., 6¾" H.

NET WEIGHT—6¼ lbs.

RCA BRIDGING AMPLIFIER

RCA Model MI-12217 Amplifier is a high gain bridging-power amplifier with an output of 25 full watts. This multi-purpose unit is ideal for use as a bridging, power or phonograph amplifier. Extremely high gain permits of operation direct from low impedance phonograph pickup. On rear of amplifier base is a terminal board for supplying necessary voltages to one MI-4297A or MI-4273 Voltage Amplifier or two MI-12208 Auxiliary Mixer Units.



MI-12217

MI-12217—105/125 volts, 50/60 cycles A.C. Code SHURN (with power cord)

MI-12217A—110/220 volts, 25/60 cycles A.C. Code SHUWS (with power cord)

MI-12211 same as 12217 except less cover. Code SESFA

SPECIFICATIONS

GAIN—74 db. Bridging.

FREQUENCY RESPONSE—30 to 10,000 cycles.

INPUT IMPEDANCE—0 to 200,000 ohms.

OUTPUT IMPEDANCE—4, 7½, 15, 60, or 250 ohms.

TUBES— 1 RCA-6SJ7, 1 RCA-6N7, 2 RCA-6L6, 1RCA-5T4.

POWER OUTPUT—25 watts normal, 48 watts maximum

POWER REQUIRED—105/125 volts A.C., 50/60 cycles, 175 watts.

DIMENSIONS—15½" L., 9¾" D., 9⅜" H.

NET WEIGHT—28 lbs.



STANDARD 50 WATT AMPLIFIER

- High Gain-Single Unit
- Four "High" and "Low" Inputs
- Automatic Compensation for Phonograph
- Separate Bass and Treble Controls
- Normal Power/High Power Switch
- Separately fused heater and plate supplies.



MI-12214

The RCA Standard "50" Amplifier meets the great need for a single unit, high power amplifier for general use.

Fifty full watts of high quality power, four high and low impedance input positions, RCA interstage mixing, inverse feed back, automatic compensation for phonograph, beam-power output tubes, separate bass and treble controls, high gain, no interaction between input positions, full frequency response, pilot light to indicate power "on" or power "off", fuse accessible on control panel, sloping panel for convenient operation.

All desired features incorporated in a single unit amplifier, attractively finished in fine gray crackle with chromium stripe and removable chromium finished handles. An all purpose amplifier at an attractive price.

MI-12214—105/125 volts, 50/60 cycles A.C.
Code SHIKS (With power cord)

MI-12214A—110/220 volts, 25/60 cycles A.C.
Code SHIOW (With power cord)

FOR

RENTALS

ATHLETIC FIELDS

SKATING RINKS

FACTORIES

DANCE HALLS

AUDITORIUMS

SPORT EVENTS

PAGING SYSTEMS

SPECIFICATIONS

GAIN—Microphone 116 db; Phonograph 86 db.

FREQUENCY RESPONSE—30 to 10,000 cycles.

INPUT IMPEDANCE—Two of 250, one of 0 to 5,000, one of 5,000 to 500,000 ohms.

OUTPUT IMPEDANCE—4, 7½, 15, 60, and 250 ohms.

TUBES—3 RCA-6J7, 2 RCA-6C5, 4 RCA-6L6, 2 RCA-5Z3.

POWER OUTPUT—50 watts normal, maximum 90 watts.

POWER REQUIRED—105/125 volts A.C., 50/60 cycles, 275 watts.

DIMENSIONS—23" L., 12½" D., 9½" H.

NET WEIGHT—50 lbs.



50 WATT *DeLuxe* AMPLIFIER

- REMOTE ELECTRIC MIXING
- VOLUME EXPANSION FOR LIFE-LIKE REPRODUCTION
- VOLUME COMPRESSION PREVENTS BLASTING
- MULTIPLE INPUT UNITS

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

VOLTAGE AMPLIFIER

VOLTAGE AMPLIFIER—as supplied, consists of 2 signal-mixing units, 1 master mixer and 1 compressor, expander unit. Space is provided for additional mixing units described on page 10.

A switch is provided for compensating music and voice. The expander circuit gives record reproduction a new life-like tone, while the compressor action improves the intelligibility of speech.

POWER AMPLIFIER

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 12 db degeneration circuit is incorporated in this amplifier, which reduces distortion and stabilizes the output to the extent that the load may be varied from normal to a single loudspeaker, with only a 20 percent rise in output voltage. A switch is provided for cutting degeneration in or out of the circuit.

BOOSTER AMPLIFIER MI-4263A—This single tube unit may be added to the Voltage Amplifier when it is desired to drive up to ten 50-watt Power Amplifiers. See page 10.

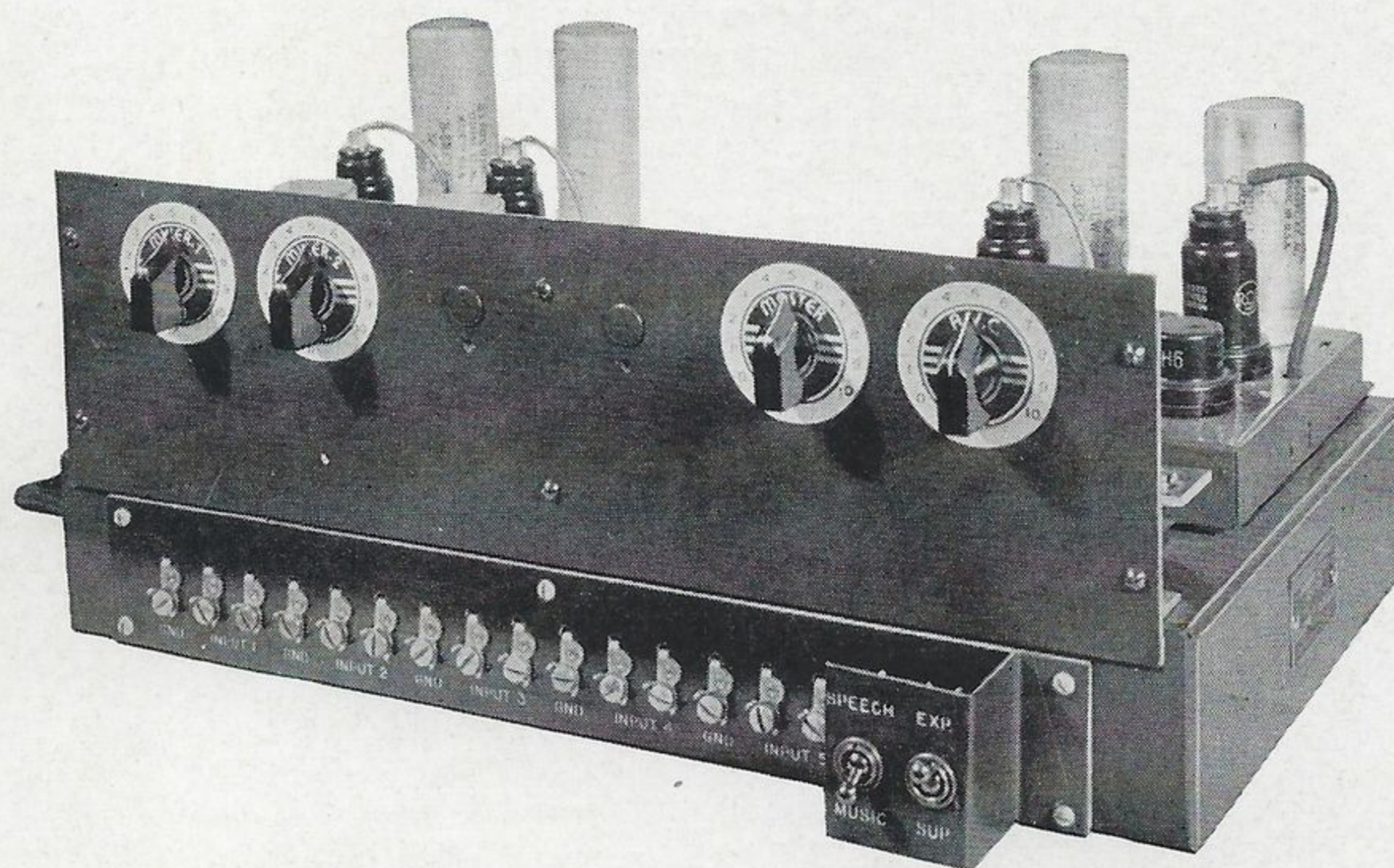
MI-4297A/4288G Voltage-Power Amplifier.
Code—SCQID. 105/125 volts, 50/60 cycles A.C.

MI-4297A Voltage Amplifier (only).
Code—SCOYV

MI-4273 Voltage Amplifier same as MI-4297A
except less compressor-expander. Code—SLESH

MI-4288G Power Amplifier (only). 105/125 volts, 50/60 cycles A.C. Code—SCQAW.

MI-4288H Power Amplifier (only). same as 4288G except 110/220 volts, 25/60 cycles A.C. Code—SERSO



MI-4297A

SPECIFICATIONS MI-4297A/4288G

GAIN—107 db with degeneration. 119 db without degeneration.

FREQUENCY RESPONSE—30 to 10,000 cycle.

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,

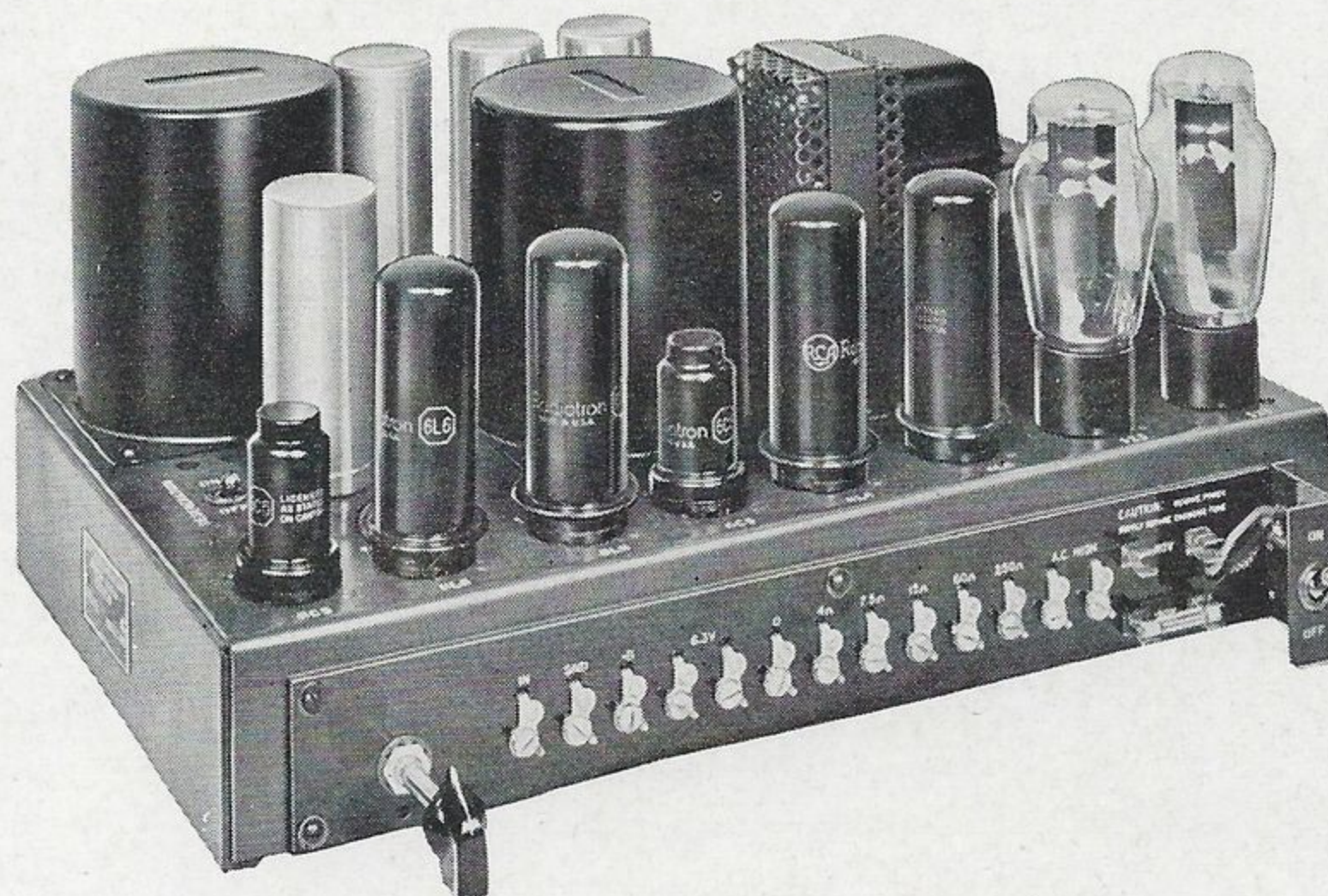
1 RCA-6H6, Power Amplifier; 2 RCA-6C5, 4 RCA-6L6, 2 RCA-5Z3.

POWER OUTPUT—50 watts.

POWER REQUIRED—105/125 volts A.C. 50/60 cycles, 280 watts.

DIMENSIONS—Voltage Amplifier: 11¼" D. 16" W., 8" H., Power Amplifier: 11¼" D. 16" W., 7¼" H.,

NET WEIGHT—Voltage Amplifier: 11 lbs. Power Amplifier: 37 lbs.



MI-4288G

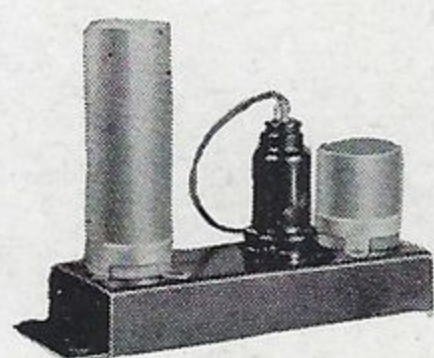
REMOTE ELECTRIC MIXING

Genuine remote mixing, which can be operated up to 2,000 feet from the amplifier, controlled by a compact portable unit small enough to be held in the hand, permits efficient, noiseless operation from the best possible location. See page 10.



AMPLIFIER ACCESSORIES

SPECIAL UNITS



MI-4117A

Signal Mixing Unit. A single stage pre-amplifier mixer unit as used on MI-4297A and MI-4273 Amplifiers. Unit consists of compact chassis, tube socket, filter and input transformer wired ready for mounting. Impedance: 250 ohms input to grid output. Tube 1 RCA 1612

MI-4117A—Code, SCQYT

Signal Mixing Unit. Same as MI-4117A but including mixer pad with switch, knob and escutcheon (escutcheon marked "Mixer 3") Used with MI-4297A and MI-4273 for position 3. Tube 1 RCA 1612.

MI-4726—Code, SCYUH



MI-4263A

Signal Mixing Unit. Same as MI-4726 except escutcheon is marked "Mixer 4." Used with MI-4297A and MI-4273 for position 4. Tube 1 RCA 1612

MI-4727—Code, SCYWJ

Signal Mixing Unit. Same as MI-4117A except has high impedance input. Used with MI-4297A and MI-4273 Amplifier position 4. Tube 1 RCA 1612.

MI-4118A—Code, SEHMS

Signal Mixing Unit. Same as MI-4727 except has MI-4118A high impedance input. Used with MI-4297A and MI-4273 Amplifiers. Tube 1 RCA 1612.

MI-4733—Code, SECAL



MI-4737A

Booster Amplifier. A single stage unit used with MI-4297A and MI-4273 where it is desired to drive from 2 to 10 MI-4288G Power Amplifiers. Tube 1 RCA 6C5.

MI-4263A—Code, SEHKQ

Compander. A compact expansion-compression unit as used on MI-4297A Amplifier. Includes pad, knob and escutcheon. Tubes 1 RCA 1612, 1 RCA 6H6.

MI-4737A—Code, SEG AH

REMOTE CONTROL UNITS



Remote portable mixer box complete for remote control of No. 1 and No. 2 input positions on MI-4297A, MI-4273 and MI-12208 amplifiers. Includes 30-foot cable and plug.

MI-4123A—Code, SCUSJ

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

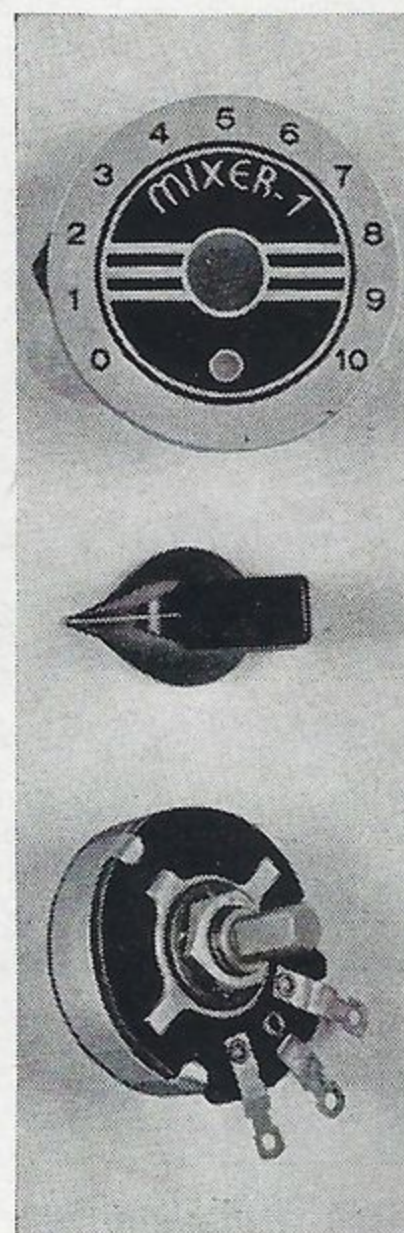
MI-4123—Code, SCR UO

Remote Control. Same as MI-4123 except for No. 3 and No. 4 input positions on MI-4297A and MI-4273 amplifier.

MI-4126—Code, SCR IC

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

MI-4124—Code, SCR YS



MI-4720

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

MI-4724—Code, SCYOB

REMOTE POSITION MIXER PADS

Pad Assembly. A mixer pad assembly for remote control in connection with signal mixing units as MI-4117A or compander unit MI-4737A. Consists of mixer pad, knob and escutcheon. Marked for No. 1 input position.

MI-4720 (No. 1 input)
—Code, SCYHB

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

MI-4721—Code, SCYIW

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

MI-4722—Code, SCYKY

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

MI-4723—Code, SCYLZ

Pad Assembly. Similar to MI-4720 but has escutcheon marked for Expander/Compressor position.

MI-4725—Code, SCYZD

SWITCHES

Switch. Vertical throw with chromium plated knob, 6-circuit, 3-position.

MI-6825—Code, SEEPY

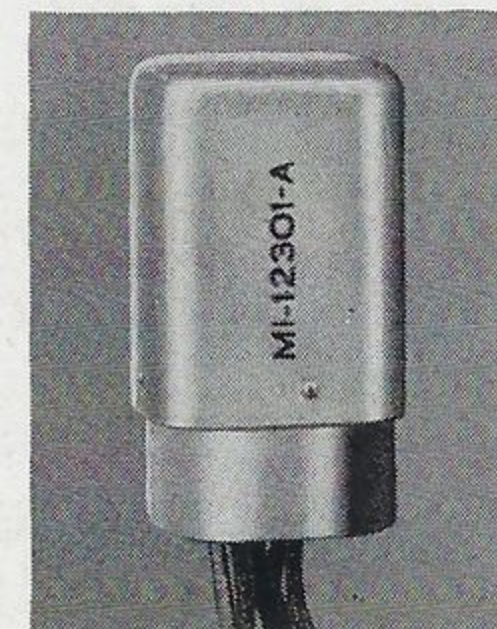
Switch. Same as MI-6825 excepting 2-circuit, 4-position.

MI-6826—Code, SEESA

INPUT TRANSFORMERS

A high quality MuMetal shielded input or bridging transformer. Small in size, low in price, high in quality, hum free. Primary 250 ohms center tapped, secondary 50,000 ohms. Complete with mounting bracket. Weight: Net, 6 ozs.

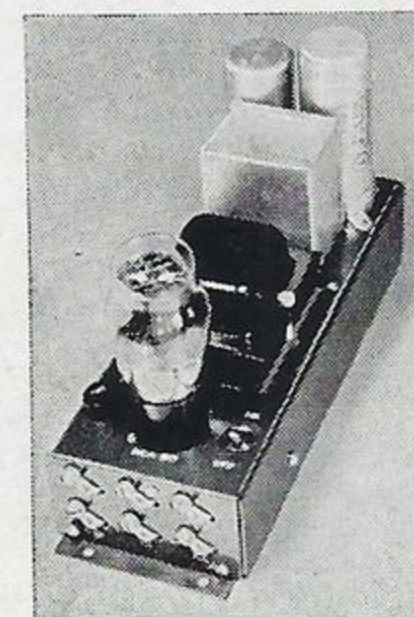
MI-12301A—Code, SLENC



POWER SUPPLY

Power Supply Unit for Signal Mixers. Supplies power for up to six signal mixers, or compander or booster amplifier. Tube 1 RCA 80.

MI-4304—Code, SEFYF





CARILLON BELLS

ALL ELECTRIC

The RCA Victor Carillon produces bell-like tones of remarkable quality with all the harmonics and over-tones obtained through the use of ponderous and costly cast bells. The advantage is obvious in eliminating entirely the need for structural re-enforcement and the use of space rarely available in the ordinary church or other building.

RCA Victor Carillon brings to even the smallest community all the distinctive beauty and glory of great cathedral chimes.

The five note console illustrated is complete with keyboard ready for quick and simple attachment to any standard RCA amplifying system of sufficient power.

MI-4766A—Code SEKBE

5-NOTE CARILLON

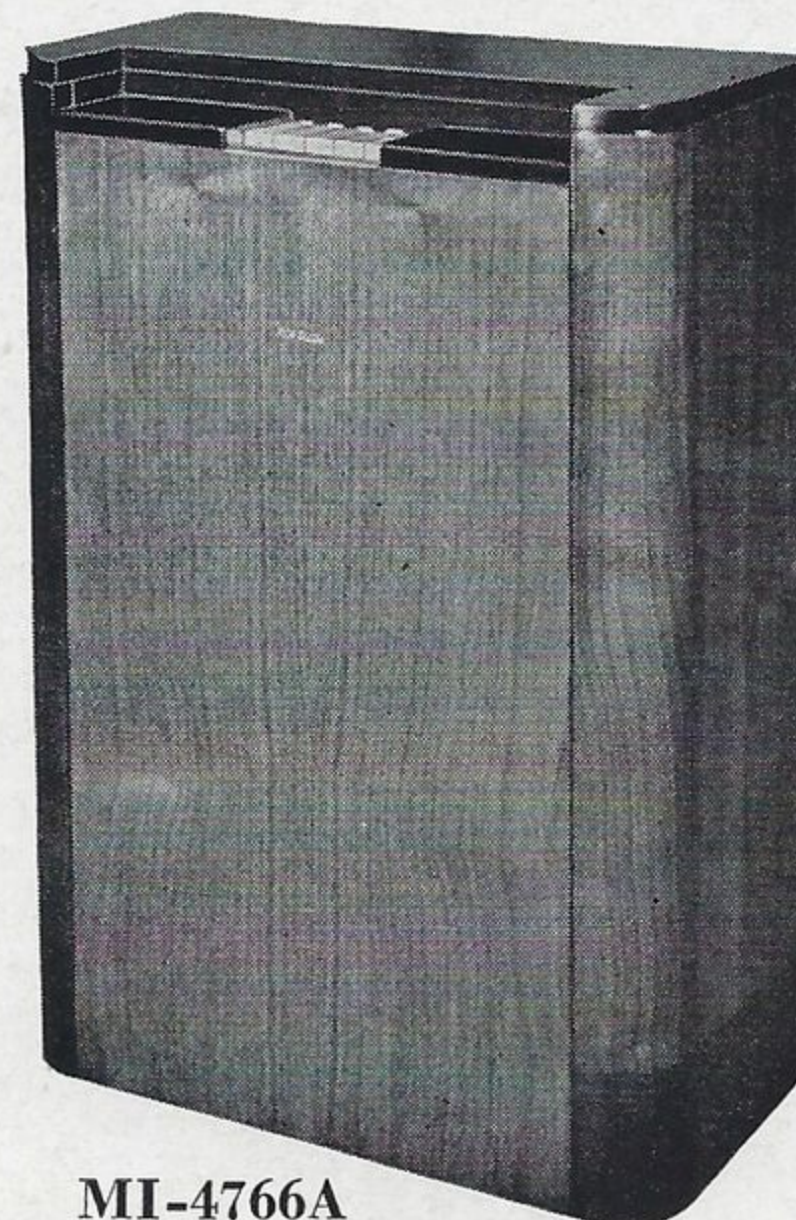
CABINET FINISH—Hand rubbed two-tone walnut.

NET WEIGHT—22 lbs., shipping weight—30 lbs.

SIZE—20" W., 29½" H., and 10" D.

OUTPUT IMPEDANCE—250 ohms.

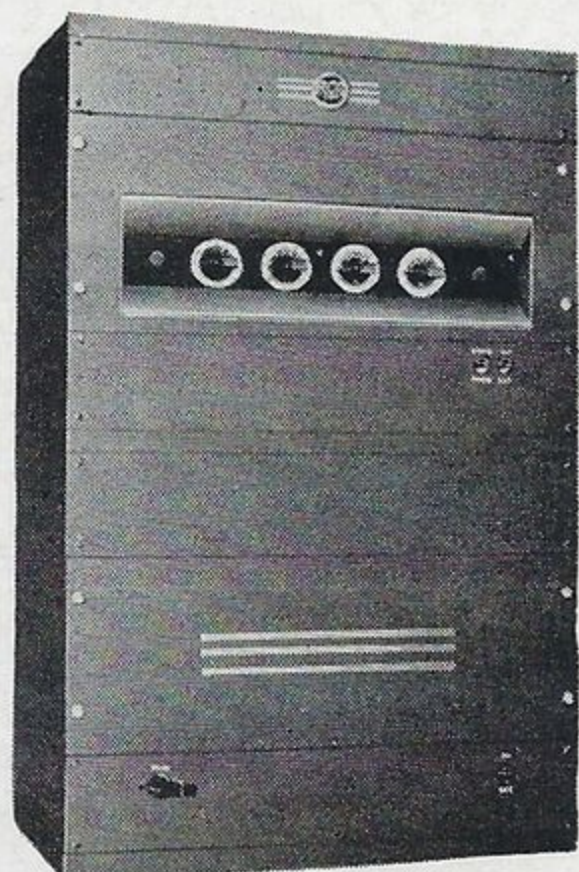
TUNING—Notes E, A #, D #, F and G (164.81 to 392 cycles)



MI-4766A



METAL CABINETS



A Sturdily constructed and finished in attractive gray crackle lacquer, they improve the appearance and efficiency of any sound installation. MI-4666 Cabinet with various front panels, may be assembled to suit most every requirement. 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 radio chassis, 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 permits assembly of a wide variety of cabinet combinations.

E Size: 19½" W., 31" H., 13" D.

F MI-4666 Cabinet (less panels)—Code SCRAV

PANELS

Refer to letters adjacent to above illustration.

A—MI-12303—3½" Blank Panel with RCA Name Plate—Code SEARD

B—MI-12308—For MI-4297A or MI-4273 Voltage Amplifier—Code SEBCD

B—MI-12317—7" Amplifier Panel for MI-12222 Amplifier—Code SHIUB

B—MI-12319—For MI-12211 Amplifier—Code SIBOD

C—MI-12309—3½" Switch Panel for MI-4297A or MI-4273 Voltage Amplifier—Code SEALY

D—MI-12306—3½" Blank Panel—Code SEAWI

E—MI-12305A—7" Ventilated Panel for MI-4288G—Code SEAVH

F—MI-12307—3½" Switch Panel for MI-4288G Amplifier—Code SEBAM

MI-12312—14" Blank Panel can be cut on job for mounting radio chassis or other unit, not illustrated.—Code SEFMU

COMPLETE CABINET ASSEMBLIES

MI-4728—with Panels for MI-4297A/4288G—Code SCYXK

MI-4731—with Panels for two MI-4288G—Code SEAFS

MI-4732—with Panels for one MI-4288G—Code SEAKX

MI-4736—with Panels for one MI-4297A or MI-4273 and Radio Chassis—Code SEFGO

MI-4739—with Panels for MI-12222—Code SHARG

MI-4740—with Panels for one MI-12222 and Radio Chassis—Code SHASH

MI-4742—with Panels for MI-4297A or MI-4273 or MI-12208/12211—Code SIAZP

MI-4743—with Panels for one MI-12211—Code SIBAQ

MI-4744—with Panels for MI-12211 and Radio Receiver—Code SIBEU

MI-4745—with Panels for two—MI-12211—Code SIBLA



SOUND BEAM SPEAKERS

RCA high efficiency horn type baffles and mechanisms offer a number of speaker combinations suitable for commercial and industrial applications. Features include heavy aluminum castings and spinnings, non-vibratory material to eliminate rim-rattle, heavy loose couplings, extended range mechanisms, Alnico magnets and weatherproof enclosures. Units are inter-changeable for all baffles described on this page.

RE-ENTRANT BAFFLES



3 1/2 FOOT

Distribution Angle: 50 Degrees at 1000 Cycles
Cut off Frequency: 175 Cycles
Dimensions: Length 19", Bell Diameter 20 1/2"
Material: Metal and Non-Vibratory
Finish: Gray
Weight: Net 9 lbs., Shipping 14 lbs.
Threads: Bracket 1 1/4" Pipe, Coupling 1 7/16" - 16

← MI-6302—Code SLAUN

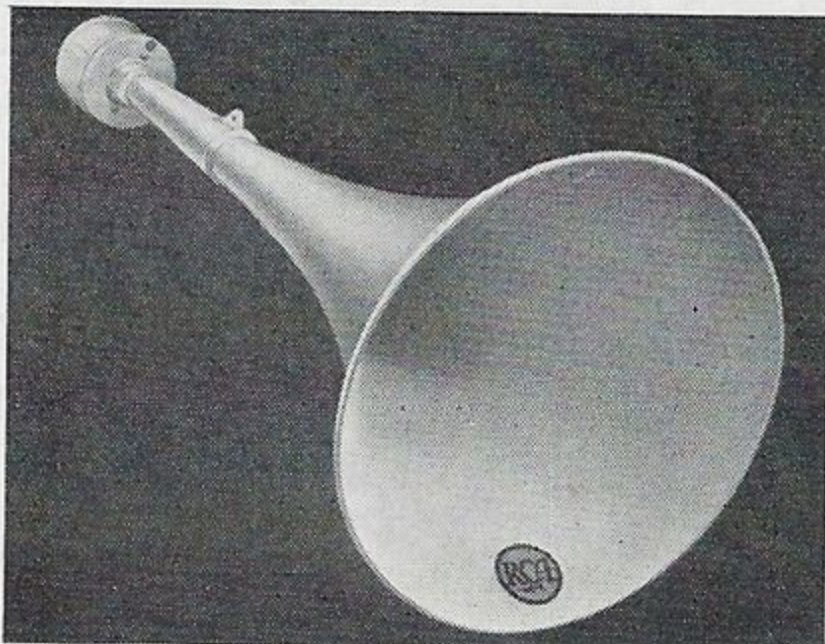
5 1/2 FOOT

Distribution Angle: 43 Degrees at 1000 Cycles
Cut off Frequency: 125 Cycles
Dimensions: Length 30", Bell Diameter 28"
Material: Metal and Non-Vibratory
Finish: Gray
Weight: Net 16 lbs., Shipping 24 lbs.
Threads: Bracket 1 1/4" Pipe, Coupling 1 7/16" - 16

← MI-6303—Code SLAVO

NARROW BEAM PAGING BAFFLE

Cut off Frequency: 275 Cycles
Dimensions: Length, 22", Bell Diameter 12 1/2".

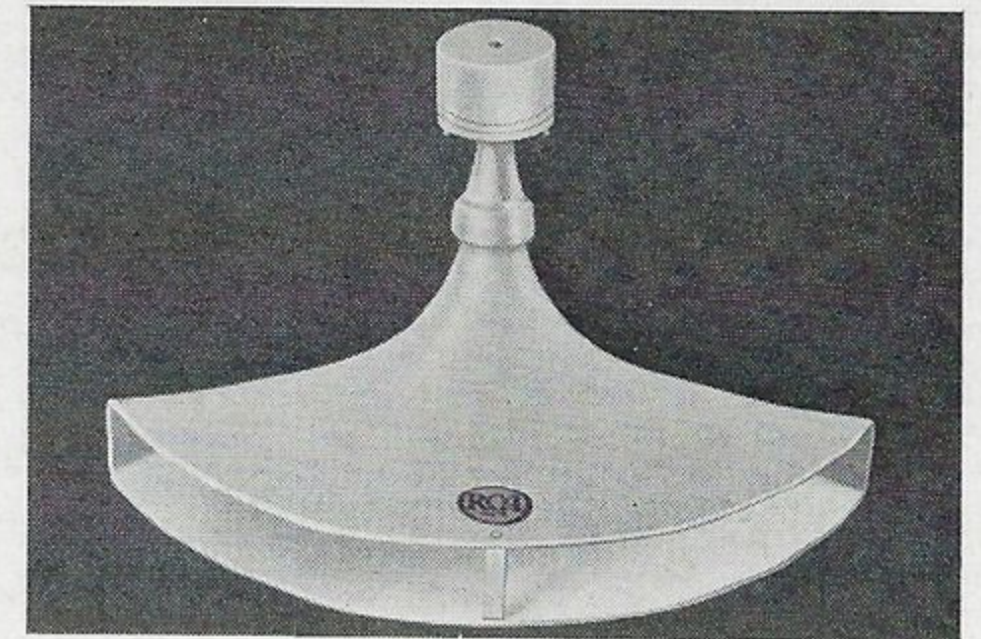


Material: Non-Vibratory and Metal
Finish: Gray
Weight: Net 6 1/2 lbs., Shipping 8 lbs.
Threads: Coupling 1 7/16" - 16
MI-6311A—Code SMERH for outdoors or indoors
MI-6344—Code SMYBZ for indoors only
Note: MI-6311A and MI-6344 includes MI-6324 mounting ring



WIDE BEAM PAGING BAFFLE

Cut off Frequency: 275 Cycles
Dimensions: W., 22", H., 5", D., 13".
Material: Non-Vibratory and Metal



Finish: Gray
Weight: Net 2 1/2 lbs., Shipping 4 lbs.
Threads: Coupling 1 7/16" - 16
MI-6314—Code SMEYO



SPEAKER MECHANISMS



15 WATT

POWER INPUT—12-15 Watts Normal, 25 Watts Peak.
VOICE COIL—15 Ohms.
FLUX DENSITY—14,000 Gauss.
WEIGHT—Net 14 1/2 lbs., Shipping 15 1/4 lbs.
FINISH—Gray.
DIMENSIONS—Height 5", Diameter 5 1/2".
THREAD—1 7/16"—16.
MI-6306—Code SLEAQ



8 WATT

POWER INPUT—8 Watts Normal, 15 Watts Peak.
VOICE COIL—15 Ohms.
FLUX DENSITY—10,000 Gauss.
WEIGHT—Net 8 3/4 lbs., Shipping 9 1/4 lbs.
FINISH—Gray.
DIMENSIONS—Height 4 1/4", Diameter 4 1/2".
THREAD—1 7/16"—16.
MI-6304—Code SLAWP

12 WATT

POWER INPUT—10-12 Watts Normal, 20 Watts Peak.
VOICE COIL—15 Ohms.
FLUX DENSITY—12,000 Gauss.
WEIGHT—Net 10 3/4 lbs., Shipping 11 3/4 lbs.
FINISH—Gray.
DIMENSIONS—Height 4 1/2", Diameter 5 1/2".
THREAD—1 7/16"—16.
MI-6305—Code SLAZS

5 WATT

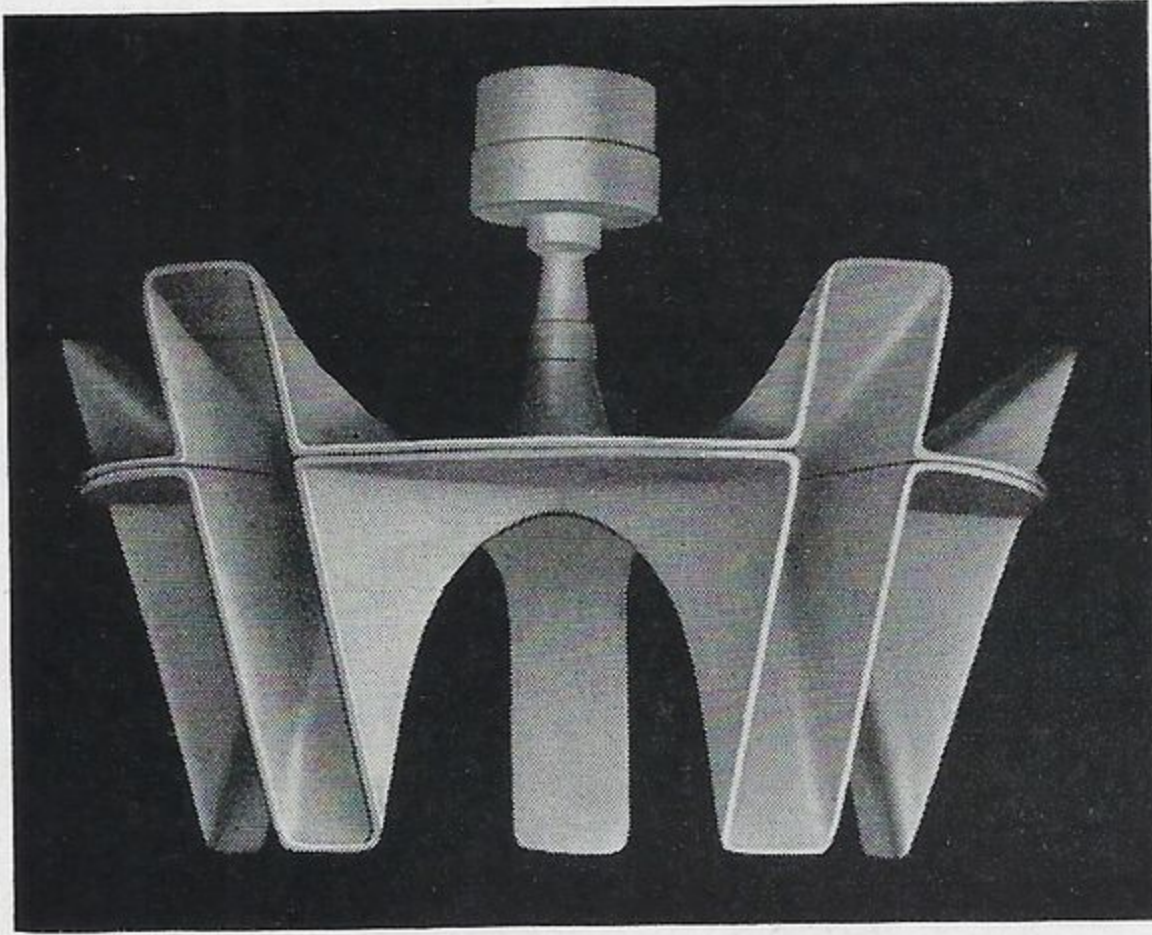
POWER INPUT—5-8 Watts Normal, 10 Watts Peak.
VOICE COIL—15 Ohms.
FLUX DENSITY—8,000 Gauss.
WEIGHT—Net 3 lbs., Shipping 4 lbs.
FINISH—Gray.
DIMENSIONS—Height 3 1/4", Diameter 3 1/4".
THREAD—7/8"—20 (Adaptor for 1 7/16"—16 Included).
MI-6309—Code SMEPF

Frequency response 125-7500 cycles depending on Unit-Baffle Combination Used.

See page 13 for mounting brackets.



SOUND BEAM SPEAKERS



ALL-WAY LOUDSPEAKER BAFFLE

The RCA All-Way Loudspeaker Baffle provides uniform sound distribution from a single speaker mechanism for complete 360° coverage. This completely new design, with its five evenly spaced apertures, distributes sound pressure uniformly throughout a radius of approximately 50 feet, and the directive effect concentrates projected sound over the entire floor area. For use in large indoor areas. An unusually efficient speaker for industrial use.

Standard RCA 5, 10, 12, and 15 watt speaker mechanisms (MI-6309, MI-6304, MI-6305, or MI-6306 respectively) are interchangeable for use with this baffle.

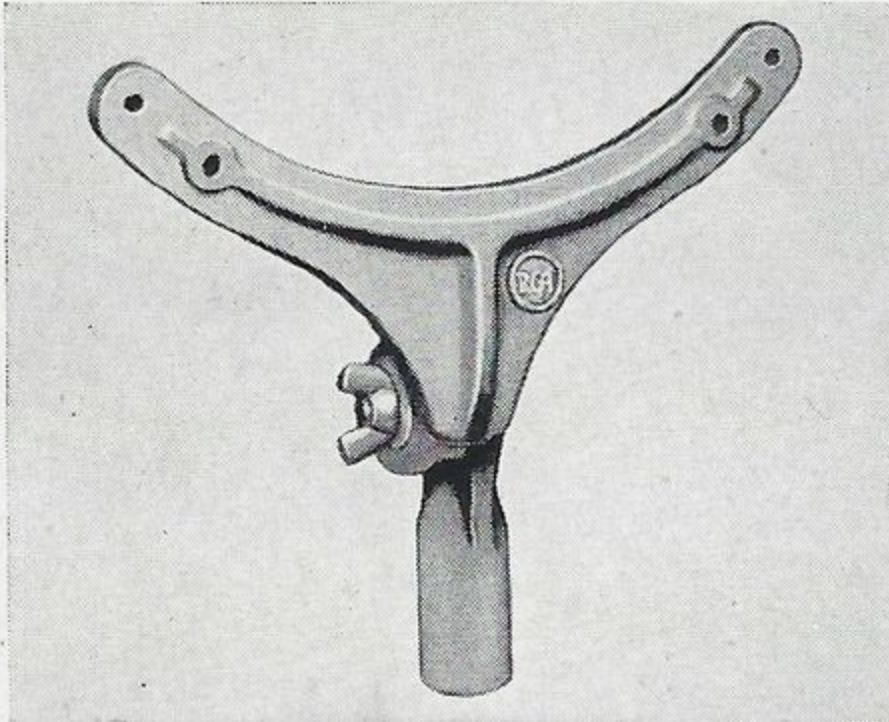
Equipped with "U" type mounting bracket for attachment to 1/2" pipe.

Dimensions: 20" D. 20" H. Weight: 10 lbs.

MI-6316—Code SMACX For indoor use.

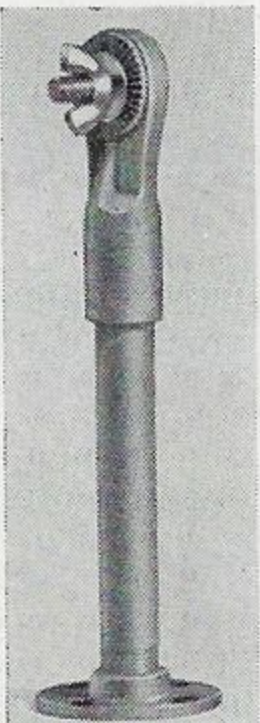
For outdoor use specify MI-6345—Code SNAGB.

BAFFLE MOUNTING BRACKETS



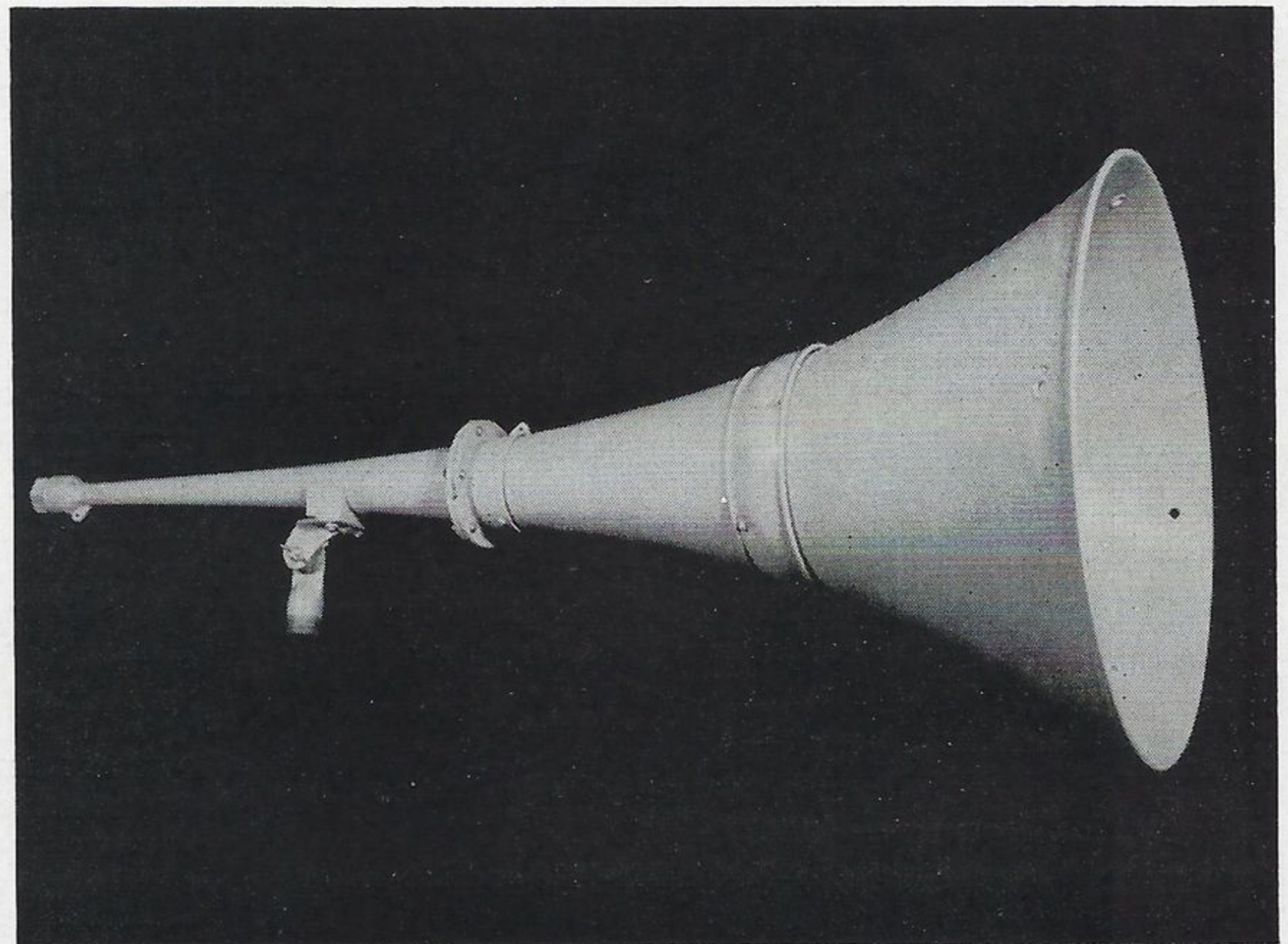
This bracket can be used on either the MI-4420 or MI-4422 type baffle. A large wing nut is supplied to clamp the bracket in the desired position. It is threaded to take a 1/2" pipe thread. Finish is Gray Crackle. Weight 2 3/4 lbs.

MI-4418—Code SLARK



This mounting base and 10 inch upright may be used with the MI-6314 Wide Beam baffle and provides simple and positive adjustment for any desired angle. It is also suitable for mounting MI-6311A Narrow Beam horn. A large wing nut is supplied to tighten it in position. A 2 3/4" floor flange is supplied for attaching to wall or ceiling. Dimensions: 2 3/4" x 10" H. Weight 3 1/2 lbs.

MI-6325—Code SMIHU



RCA STRAIGHT AXIS TRUMPET

RCA Straight Axis Trumpet is suitable for large indoor, outdoor, industrial or military areas or other applications requiring extensive sound coverage.

This stormproof trumpet is made of metal and non-vibratory material. It is particularly adaptable where the installation requires a combination of power handling capacity, high efficiency and the ability to withstand rough usage.

MI-6341—Code SNAFA

SPECIFICATIONS

DISTRIBUTION ANGLE—47 degrees.
LOW FREQUENCY CUTOFF—150 cycles.
LENGTH—55 1/4 inches.

BELL DIAMETER—24 1/2 inches.
MOUNTING—Fits standard 1 1/4" pipe fitting.
WEIGHT—Shipping, 28 lbs.; net, 18 lbs.



SPEAKER MECHANISMS

RCA ACCORDION CONE SPEAKER MECHANISM

A radically different permanent field dynamic speaker unit with the revolutionary RCA Accordion Cone. The latest word in loudspeaker design. Three watts average capacity with high efficiency. Frequency response 60-8,000 cycles. The speaker everyone is talking about.

MI-6234A—Code SHEPA

For speaker, transformer and housing assembled complete, see page 17

SPECIFICATIONS

VOICE COIL IMPEDANCE—6 ohms.
MAXIMUM POWER INPUT—3 watts average.
OVERALL DIAMETER—7".
OVERALL DEPTH—4".
WEIGHT—Net, 2 1/4 lbs. Shipping 4 lbs.



MI-6234A

8" 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 speaker is particularly well suited for school class-rooms, hotel rooms, call systems or other applications where a powerful speaker of moderate size is required. The voice coil is sealed to prevent accumulation of foreign material.

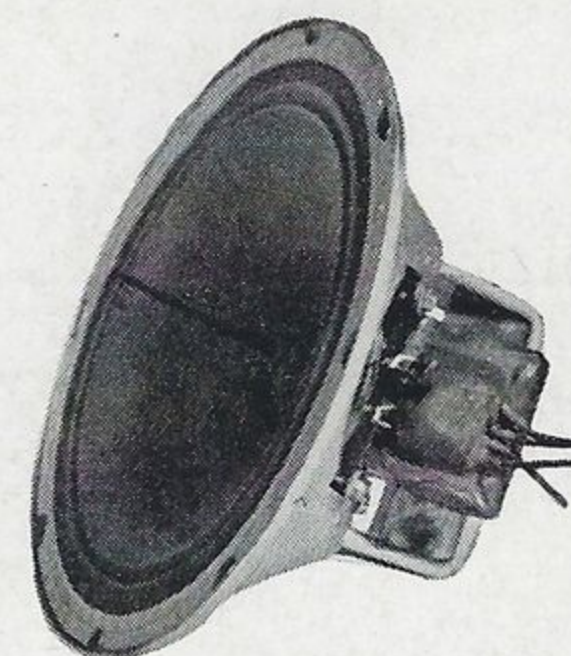
MI-6319 with MI-12345 Transformer—Code SMIWI

MI-6249 with MI-12315 Transformer—Code SHEXI

Recommended for use with MI-6292, MI-6296 or MI-4422A Housings and Baffles.

SPECIFICATIONS

VOICE COIL IMPEDANCE—2 ohms.
TRANSFORMER IMPEDANCE (MI-6319)—6, 400, 500, 1,080, 1,250, 2,400, 4,500 and 5,000. (MI-6249) 6, 15, 35, 60, 340, 430 and 500.
MAXIMUM POWER INPUT—6 watts.
OVERALL DIAMETER—8 1/4".
OVERALL DEPTH—4".
WEIGHT—Net, 3 lbs. shipping, 5 lbs.



MI-6319
MI-6249

12" PERMANENT MAGNET SPEAKER MECHANISM

This speaker 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.

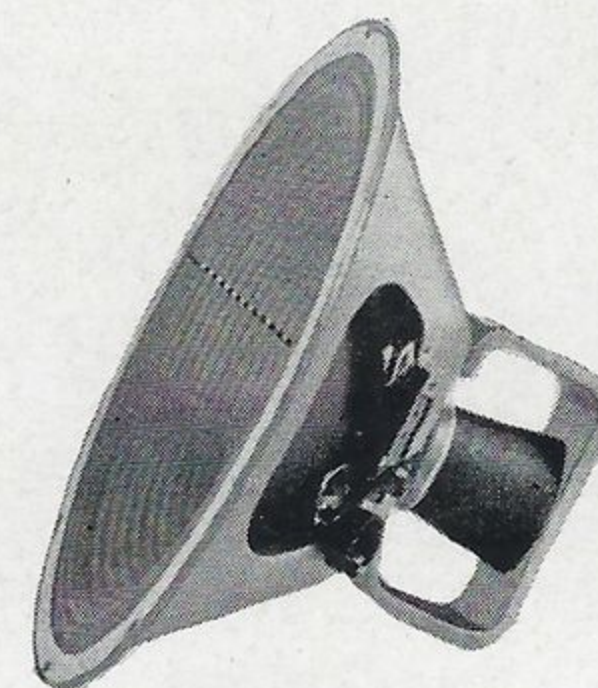
MI-6320 with Transformer—Code SMOAH

MI-6261 similar to above but with 15 ohm voice coil and less transformer—Code SICMA

Recommended for use with MI-6294A, MI-4428 and MI-4420A Directional Baffles.

SPECIFICATIONS

VOICE COIL IMPEDANCE—2 ohms.
TRANSFORMER IMPEDANCES—6, 400, 500, 1,080, 1,250, 2,400, 4,500 and 5,000.
MAXIMUM POWER INPUT—10 watts.
OVERALL DIAMETER—12 1/4".
OVERALL DEPTH—6 3/8".
WEIGHT—Net, 6 1/2 lbs.; shipping, 8 1/2 lbs.



MI-6320
MI-6261

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—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, 21 1/2 lbs.; shipping, 25 lbs.



MI-6243



SOUND PROJECTORS

MEDIUM POWER SOUND PROJECTOR

This 25-watt projector is an outstanding member of the family of RCA power sound projectors. High quality and efficiency combined with medium power and light weight make this speaker ideal for general indoor or outdoor use.

Frequency response 140 to 8000 cycles. Distribution angle 60 degrees, mounting requirement, standard $1\frac{1}{4}$ inch pipe fitting.

Length, $29\frac{3}{4}$ inches. Bell diameter, $18\frac{1}{2}$ inches. Voice coil impedance, 15 ohms. Bakelite diaphragm. Finish, gray wrinkle and black. Net weight, $19\frac{1}{2}$ lbs., shipping 28 lbs.

MI-6260A (25 watts)—Code, SEFXE

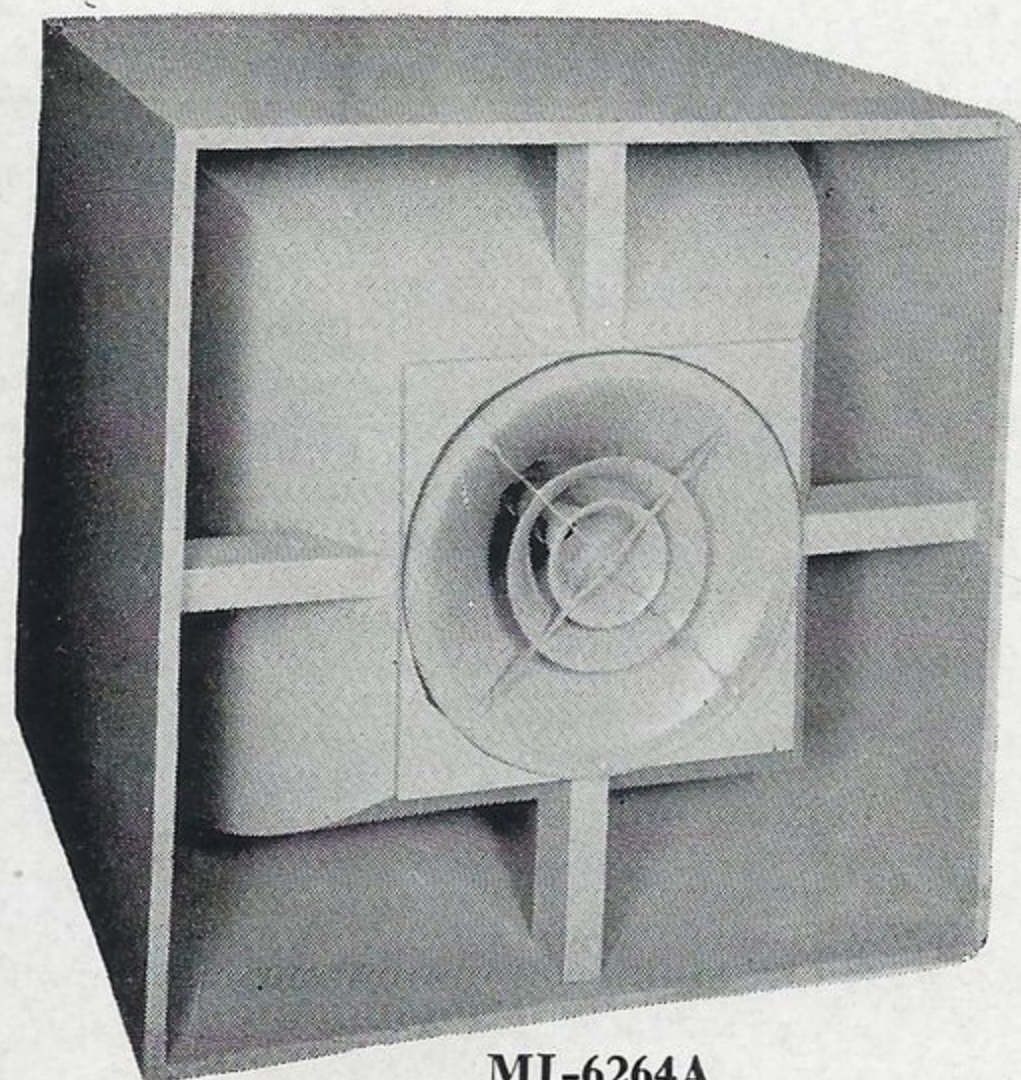


MI-6260A

RCA TWIN POWER SPEAKER

The 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. Increased frequency response with absolute uniform distribution makes it possible to hear all reproduced frequencies anywhere within the range of the speaker.

MI-6264A (40 watts) Code, SEMST



MI-6264A

RCA Twin Power Speakers in combination with RCA 50-watt amplifiers and RCA microphones, provide complete sound systems of the finest quality.

SPECIFICATIONS

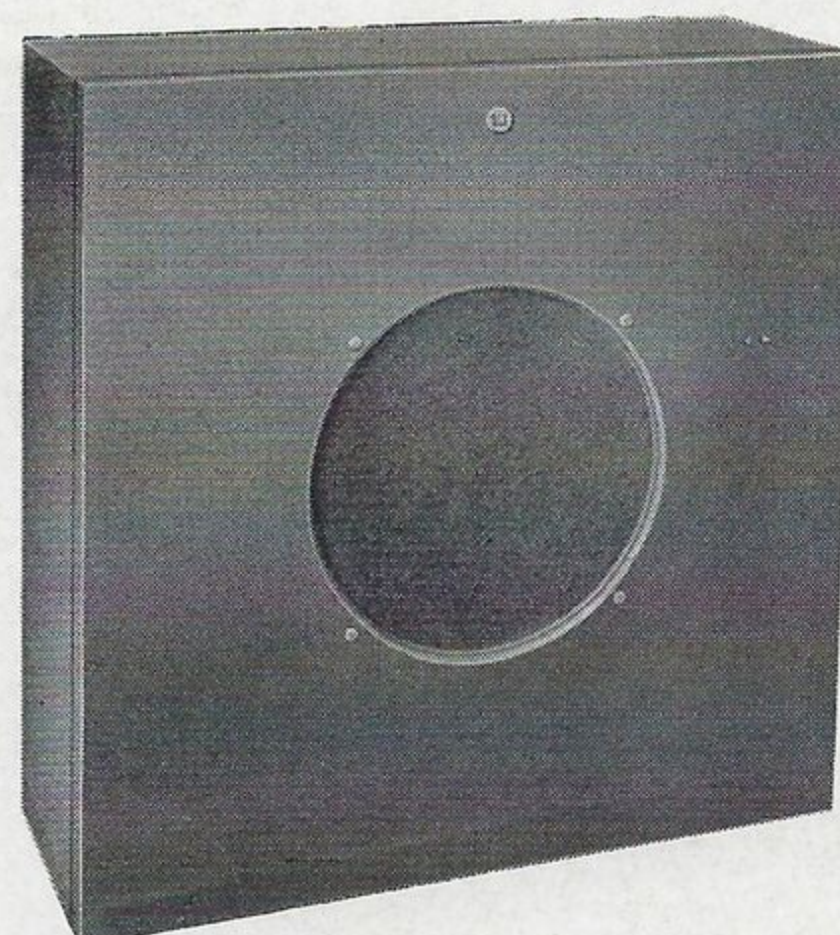
POWER INPUT—40 watts (complex wave)
HIGH FREQUENCY UNIT—Permanent Magnet Field.
LOW FREQUENCY UNIT—15" Dynamic—Permanent Magnet Field.
FREQUENCY RESPONSE—50 to 11,000 cycles.
INPUT IMPEDANCE—15 ohms.
CABINET—Wood with gray finish.
CROSSOVER NETWORK—650 cycles.
DISTRIBUTION ANGLE—95 degrees at 1,000 cycles.
DIMENSIONS—36" x 36" x 36".
NET WEIGHT—224 lbs., shipping 250 lbs.

WALL LOUDSPEAKER CABINET

RCA MI-6308 Wall Loudspeaker Cabinet is conveniently suited for mounting on wall or ceiling. Designed to house a standard 12 inch loudspeaker such as RCA type MI-6320, this cabinet is suggested for industrial music installations, auditoriums, music rooms and particularly where a large number of compact, high quality loudspeakers may be required. Sturdily built and finished in serviceable umber gray.

Size: Width, 24 inches; Depth, 7 inches; Height, 24 inches. Net Weight: 16 pounds, Shipping Weight: 25 pounds.

MI-6308—Code SMARL



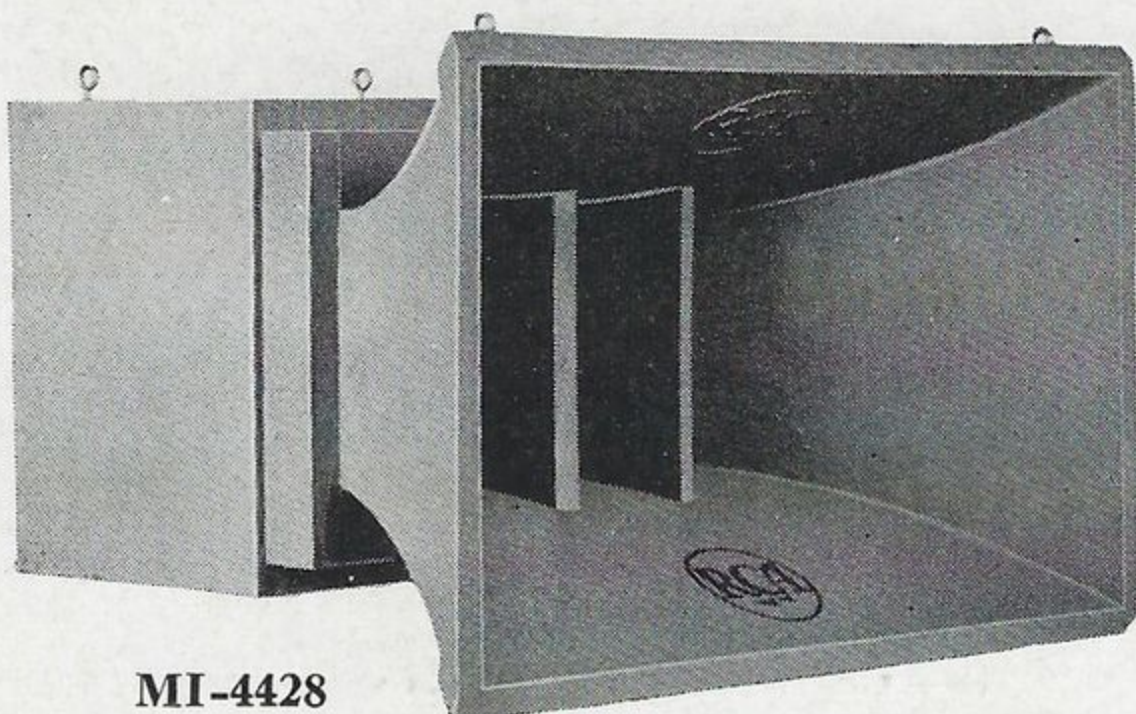
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BAFFLES AND HOUSINGS

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 are designed especially to match RCA speakers for maximum performance.

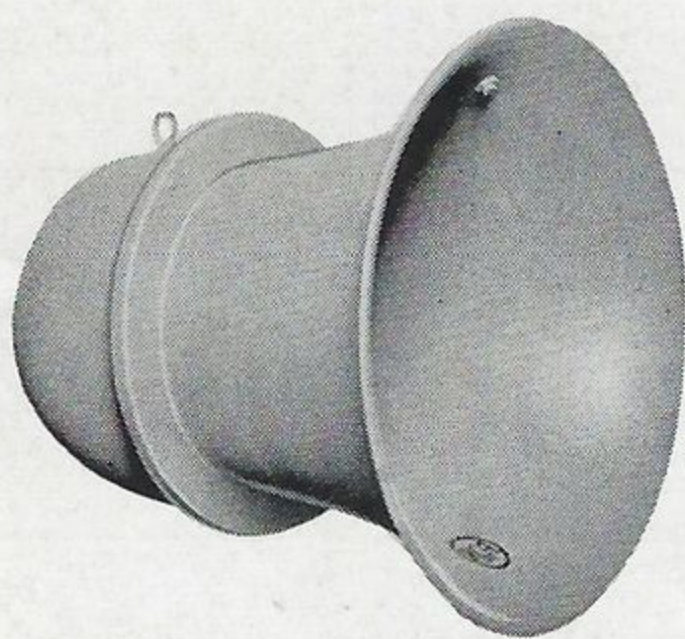
RCA DIRECTIONAL SOUND BAFFLE



MI-4428

This efficient short baffle is designed for use with RCA 12-inch speaker units such as MI-6261 and MI-6320. It features an extremely wide distribution angle (85° horizontal, 55° 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. Length, 27 inches; width, 27 $\frac{3}{4}$ inches; height, 17 $\frac{3}{4}$ inches. Net weight, 28 lbs., shipping, 55 lbs.

MI-4428—Code SCAEP



MI-4420A—12" MI-4422A—8"

RCA WIDE ANGLE BAFFLES

Excellent baffles for sound truck or general outdoor use. Made of heavy gauge metal, gray wrinkle finish. All necessary hardware supplied for mounting MI-6320, MI-6261 or MI-6319 or similar 12" or 8" cone speakers.

MI-4420A (for 12" speakers)—Length, 20"; Bell, 17"; Net Weight, 9 lbs., shipping, 12 lbs.

Code SEGIP

MI-4422A (for 8" speakers)—Length, 16"; Bell, 15"; Net Weight, 4 lbs., shipping, 6 lbs. Code SESUP

MI-4419—Auto Top and Wall Mounting Bracket, Fits MI-4420A or MI-4422A Metal Baffle. Equipped with 6" wall flange and swivel adjustment. See MI-4418 page 13. Net Weight, 6 $\frac{3}{4}$ lbs., shipping 7 $\frac{1}{4}$ lbs.

Code SLAPI

SPEAKER HOUSINGS

Metal Housing—This metal speaker housing is designed for applications where rugged unit of neat appearance is desired. It is made of steel and finished in an attractive brown wrinkle lacquer. For MI-6319 or MI-6249 speakers or other 8-inch speakers. It is 9 $\frac{5}{8}$ " in diameter, 4" deep, and weighs only 2 lbs. Shipping weight, 4 $\frac{1}{2}$ lbs.

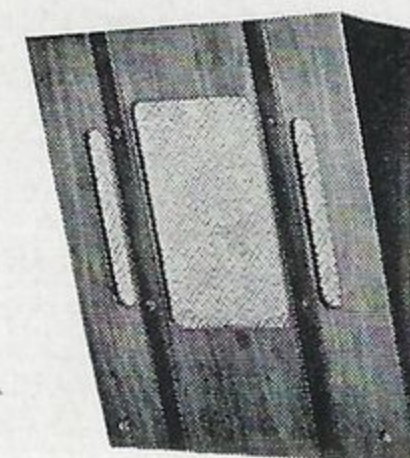
MI-6296—Code SCILO



Semi-Flush Baffle—This attractive baffle is designed for restaurants, hotels and other locations where a semi-flush housing is desired. It is made of wood attractively finished in walnut, and will accommodate most 8-inch loudspeakers. Must be used with MI-6161B Wall Box. Dimensions 11 $\frac{1}{4}$ " wide, 13 $\frac{3}{8}$ " high and 4 $\frac{1}{2}$ " deep at its maximum depth, and weighs 2 lbs. Shipping weight, 5 lbs.

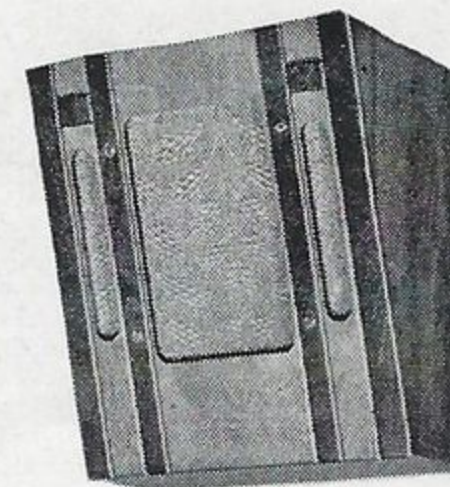
MI-6293—Code SCIHK

MI-6161B—Code YXANC—Wall Box



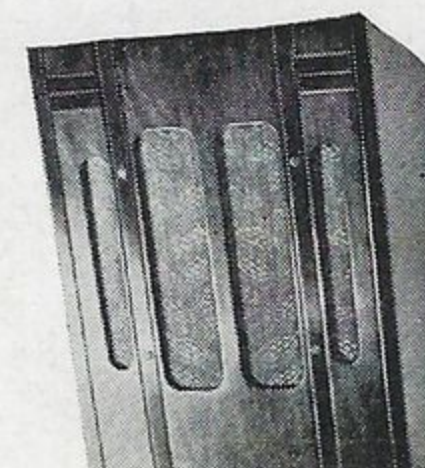
Sloping Front Housings—For 8-inch type loudspeakers, such as the MI-6319 or the MI-6249, this housing will be found extremely useful. Finished in walnut. An excellent unit for hotel rooms, office buildings, restaurants and other multiple speaker installations. Dimensions: 10 $\frac{5}{16}$ " wide, 12 $\frac{1}{2}$ " high, 7 $\frac{1}{2}$ " deep, (Maximum). Net weight 3 lbs., shipping 6 lbs.

MI-6292—Code SCIFI



Sloping Front Housing—This attractive housing will accommodate the MI-6320 or MI-6261 12-inch speakers or others of similar dimensions. It is made of wood, attractively finished in walnut, and is an ideal unit for use with multiple speaker installations. Dimensions: 14 $\frac{1}{2}$ " wide, 16 $\frac{1}{2}$ " high, 10 $\frac{5}{8}$ " deep (maximum). Weight: Net, 4 lbs.; Shipping, 7 lbs.

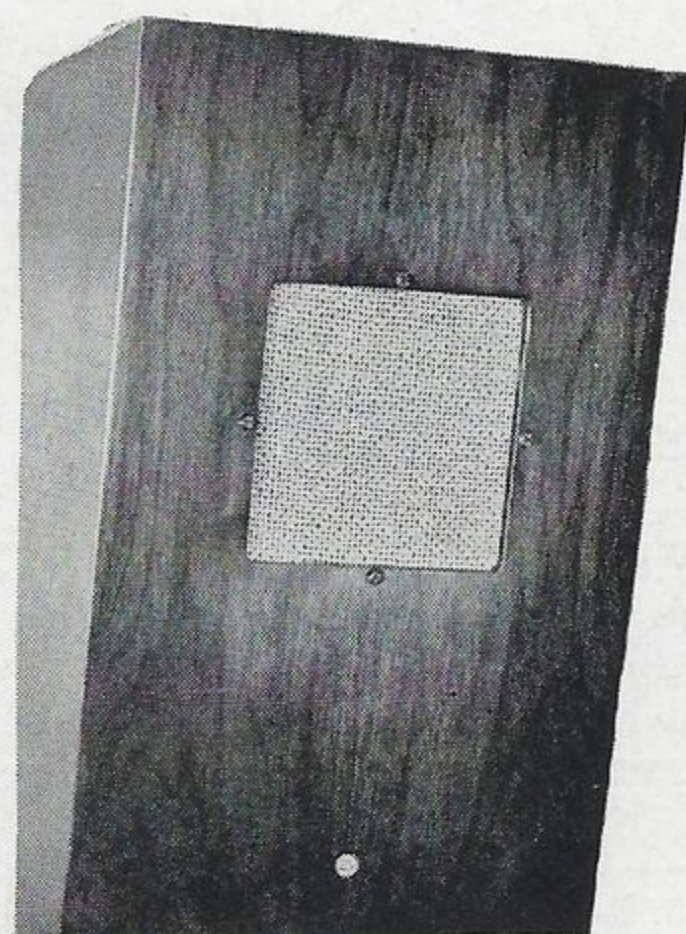
MI-6294A—Code SCESC





SPECIAL SPEAKERS

RCA ACCORDION CONE SPEAKER ASSEMBLY



MI-6233A
MI-6310

The Accordion Cone Speaker, MI-6234A, mounted in an acoustically matched, sloping front, wooden wall cabinet, including an efficient auto type speaker matching transformer MI-12315, makes this assembly the latest word in a high quality loudspeaker.

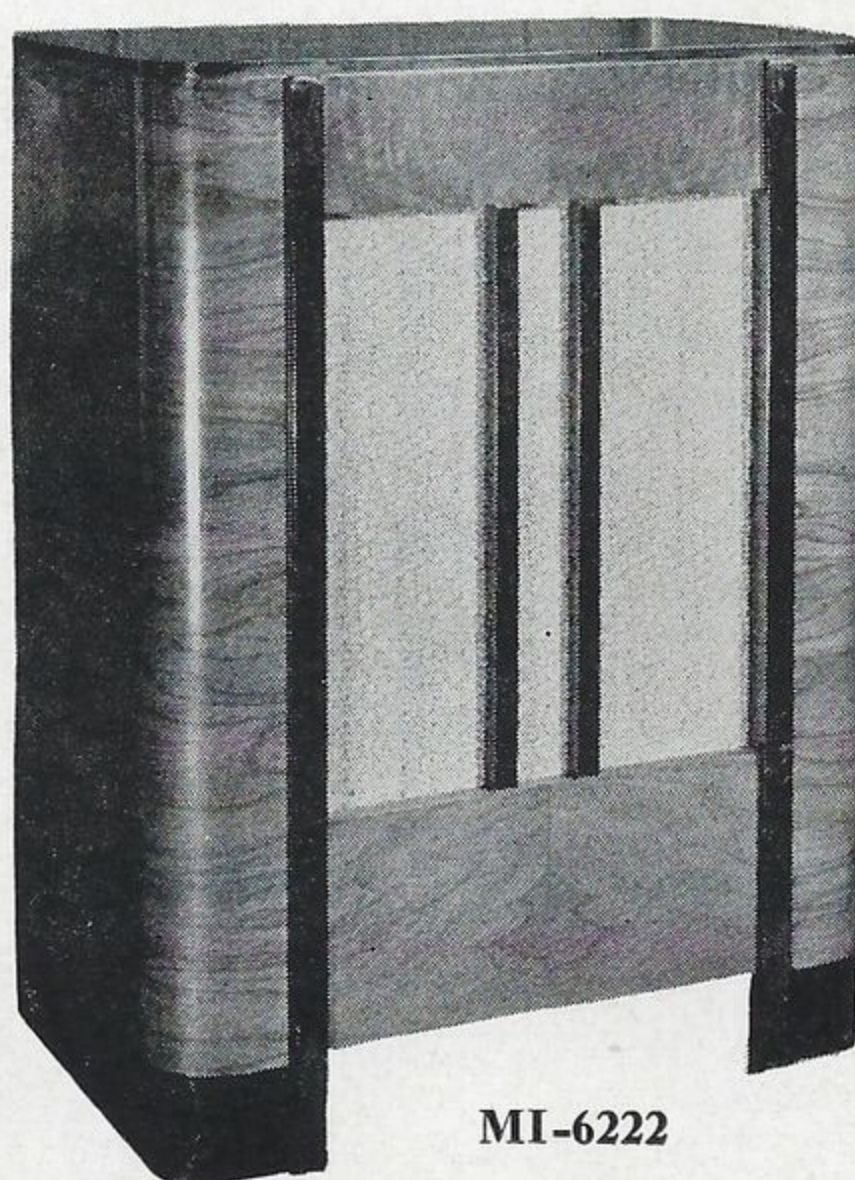
No time wasted assembling speakers and housings. Just mount the complete assembly on the wall and make line connections to

the external screw type terminal board. The entirely closed housing makes this speaker independent of changes in quality of reproduction due to differences in wall materials or air-gaps between wall and housing. Size: W. 12", D. 6 $\frac{3}{4}$ ", H. 18". Finish: Walnut. Net Weight: 8 $\frac{1}{2}$ lbs. shipping, 11 lbs.

MI-6233A—Code SHENZ

MI-6310—Code SMIAN—uses **MI-12345** transformer.

CONSOLE SPEAKER CABINET



MI-6222

Model MI-6222 speaker console is an ideal loudspeaker housing for the home, music room, hotel lobby, or dining-room, etc. This floor console, with its beautiful mirror-like walnut finish, harmonizes with the finest furnishings and makes a welcome addition to any room. Size: W. 24", D. 14 $\frac{1}{8}$ ", H. 32". Net Weight: 30 lbs., shipping, 45 lbs.

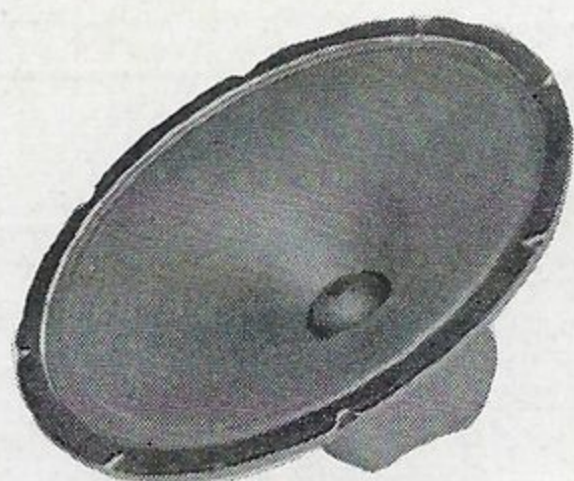
One MI-6237 speaker mechanism or four MI-6234A* accordion edge speakers are recommended for use with this console.

*Requires addition of MI-6224 adaptor baffle which includes matching transformers.

MI-6222 Console only—Code SHEGS

MI-6224 Adaptor baffle with transformers
Net Weight: 3 $\frac{1}{2}$ lbs., shipping 5 lbs.
—Code SIBPE

15" PERMANENT FIELD DYNAMIC SPEAKER



Suitable for use in Model MI-6222 console cabinet, or Model MI-6223 wall cabinet, or for flat baffle use. This heavy 15" Permanent Field Dynamic Speaker with felted cone and large Alnico magnet assures full bass response for high quality music reproduction. Large power handling capacity and sturdy construction permits normal operation at conservative power with huge reserve power available. Voice coil impedance, 8 ohms. Power input 15 watts. Net weight, 13 $\frac{1}{4}$ lbs. shipping, 16 lbs.

MI-6237—Code SHEWH

WALL SPEAKER CABINET

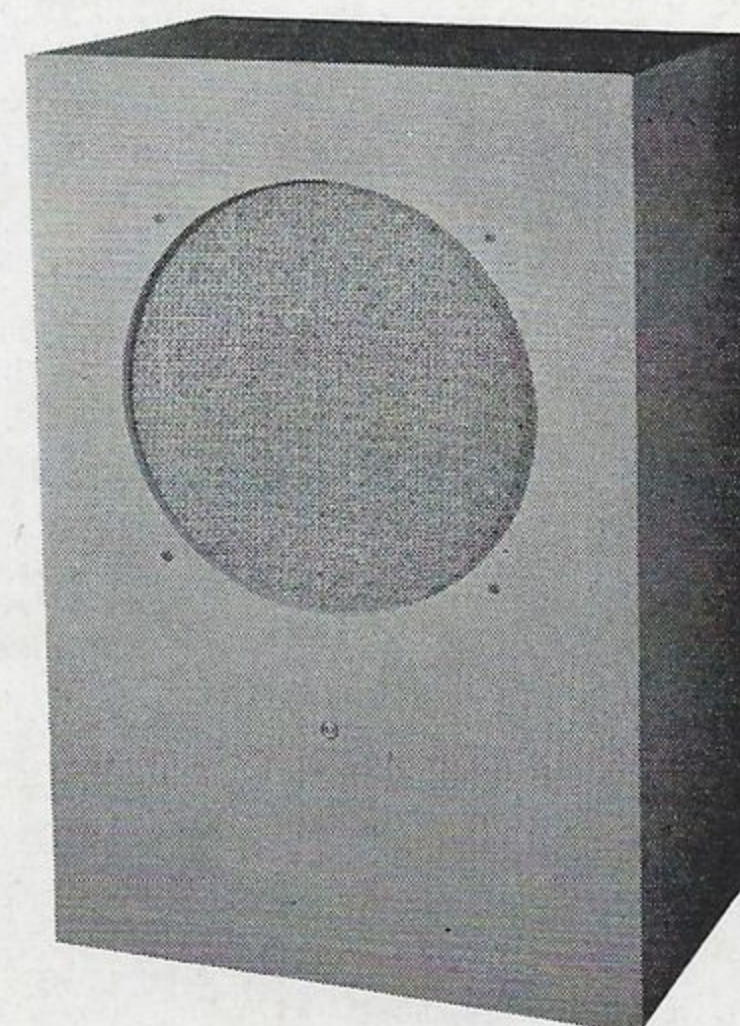
Model MI-6223 Wall Speaker Cabinet is conveniently suited for mounting at either side of the proscenium stage opening in small auditoriums or for music rooms, study halls, cafeterias, gymnasiums, etc. Finished in modernistic umber gray. Size: W. 18 $\frac{7}{8}$ ", D. 13", H. 28". Net Weight: 20 $\frac{1}{2}$ lbs., shipping, 33 lbs.

One MI-6237 speaker mechanism or four MI-6234A* accordion edge speakers are recommended for use with this cabinet.

*Requires addition of MI-6224 adaptor baffle which includes matching transformers.

MI-6223 Wall cabinet only—
Code SHELX

MI-6224 Adaptor baffle with transformers—Net
Weight: 3 $\frac{1}{2}$ lbs., shipping, 5 lbs.
Code SIBPE



MI-6223



ACCESSORIES

TRANSFORMERS

SPEAKER TRANSFORMERS

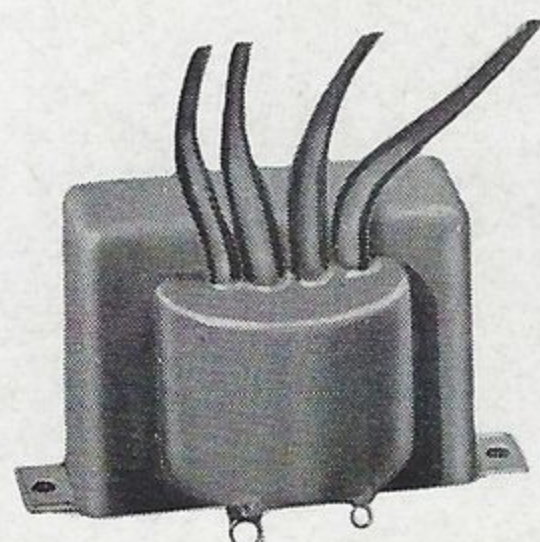


MI-4603

For matching various 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., shipping, 15 lbs.

MI-4603—Code, CRAQE

MI-4603 SPEAKER MATCHING TRANSFORMER					
	2500	IMPED.	TERMS	IMPED.	TERMS
		7.5	0-7.5	250	0-250
		15	0-15	340	15-500
	500	34	100-250	385	7.5-500
	250	37.5	15-100	500	0-500
		43	250-500	760	500-2500
	100	53	7.5-100	1165	250-2500
		100	0-100	1600	100-2500
	15	143	15-250	2130	15-2500
	7.5	155	100-500	2250	7.5-2500
	0	170	7.5-250	2500	0-2500



MI-6278
MI-12315
MI-12345

For matching 15-ohm speaker voice coils to various audio system circuits, use this inexpensive transformer. A tapped primary permits matching to 5,000, 2,500, 1,250, 410 and 225 ohm circuits. 10 watts audio power. Weight: Net, 6 ozs., shipping, 12 ozs.

MI-6278—Code, CRAJY

MI-6278 SPEAKER MATCHING TRANSFORMER			
	IMPEDANCE	LEADS	
Red	SEC 15 OHMS	Blue—Red & Black	
Red & Black		Blue—Green	
Blue		Green—Red & Black	
Green		Red—Blue	
		Red—Green	
	225		
	410		
	1250		
	2500		
	5000		

WALL BOX



Flush metal wall box for use with MI-6293 Semi-Flush Loudspeaker Housing Baffle (see page 19). Size 10" x 12" x 4". Weight: Net, 5 lbs., shipping, 7 lbs.

MI-6161B—Code, YXANC

An auto type transformer designed for matching voice coils of 2, 6 and 15 ohms to impedances of 2, 6, 15, 35, 60, 225, 340, 430 and 500 ohms. Weight: Net, 6 ozs., shipping, 12 ozs.

MI-12315—Code, SETEZ

MI-12315 SPEAKER MATCHING TRANSFORMER		
	IMPEDANCE	LEADS
Red	2	Blue—Green with Red tr.
	6	Yellow—Green with Red tr.
Black	15	Yellow—Blue
	35	Black—Green with Red tr.
Yellow	60	Black—Blue
	225	Black—Red
Green—Red Tracer	340	Yellow—Red
Blue	430	Red—Green with Red tr.
	500	Red—Blue

An auto type transformer designed for matching voice coils of 2 and 6 ohms to impedances of 2, 6, 400, 500, 1080, 1250, 2400, 4500 or 5000 ohms. Weight: Net, 6 ozs., shipping, 12 ozs.

MI-12345—Code, SLYBY

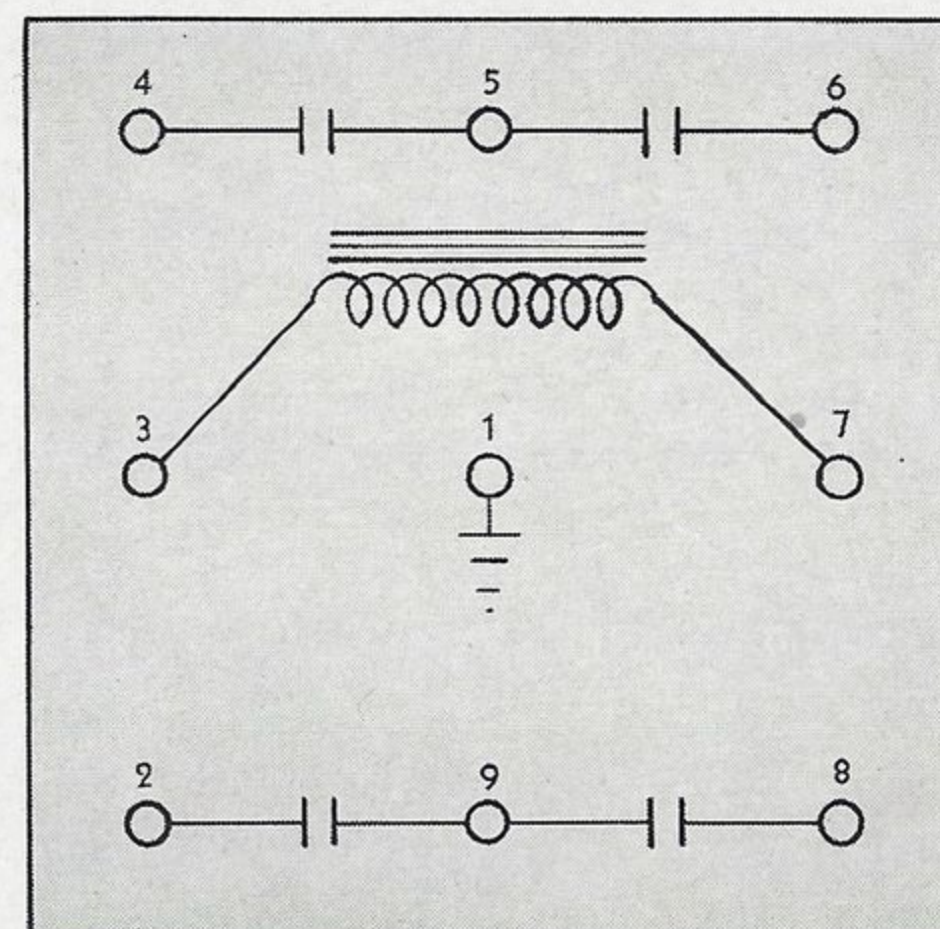
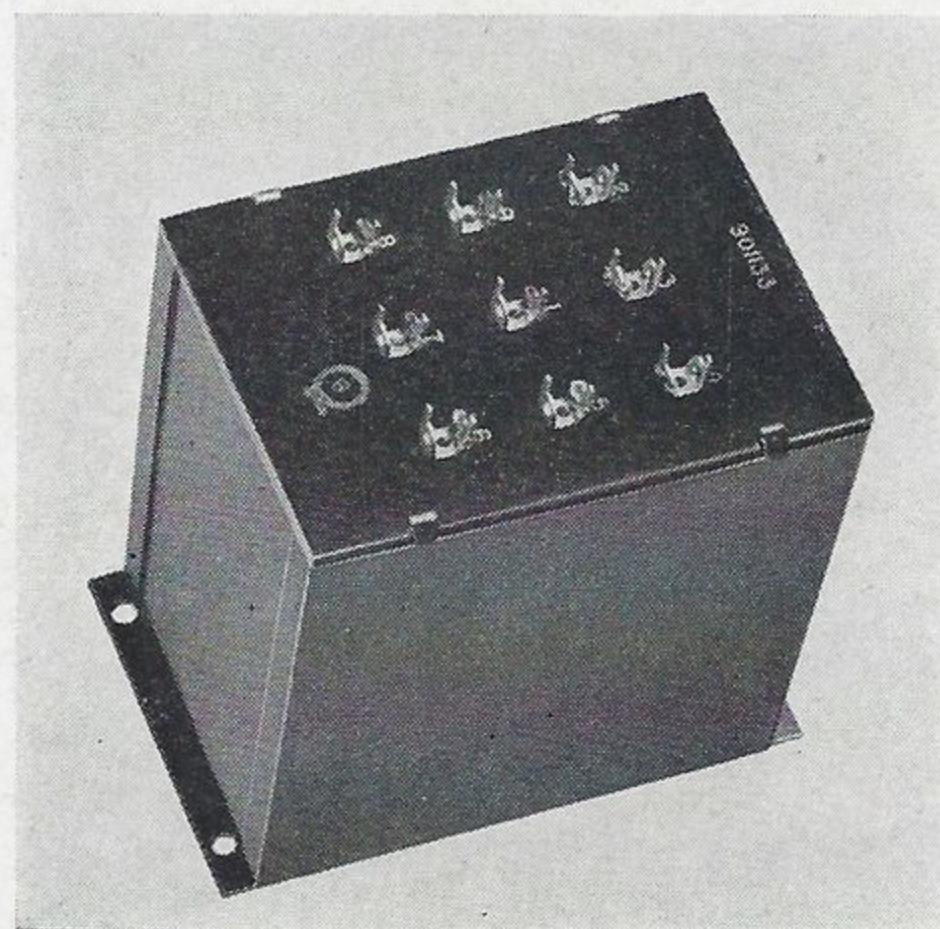
MI-12345 SPEAKER MATCHING TRANSFORMER		
	IMPEDANCE	LEADS
Red	2	Blue—Green with Red tr.
Black—Red tracer	6	Blue—Yellow
	400	Black—Yellow
Black	500	Black—Blue
	1080	Yellow—Black with Red tr.
Yellow	1250	Blue—Black with Red tr.
Green—Red tracer	2400	Red—Black
Blue	4500	Red—Yellow
	5000	Red—Blue

HIGH PASS INPUT FILTER

(500 Cycles)

The RCA High Pass Filter is for use in a 250 ohm input circuit where it is desirable to cut the low speech frequencies independently of the amplifier. By the use of this filter on the microphone input, the low frequency response can be adjusted to prevailing noise conditions to provide more intelligible speech. This filter can be used in either a balanced or an unbalanced circuit.

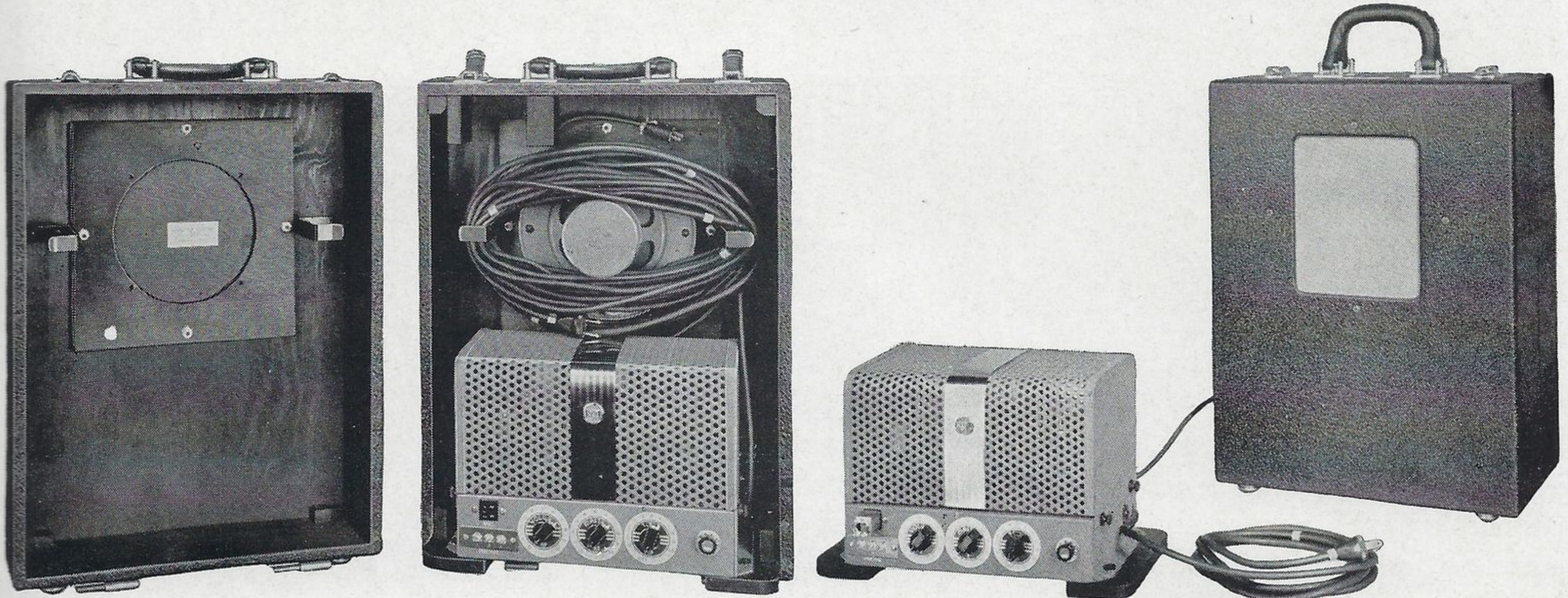
Dimensions: 3 $\frac{5}{8}$ " D. 5 $\frac{3}{8}$ " L. 5 $\frac{5}{8}$ " H.
MI-12104—Code SMIFS Weight: 5 lbs.





PORTABLE SOUND SYSTEM

6 WATT HANDY PORTABLE SOUND SYSTEM



PACKED FOR CARRYING

PG-181

AMPLIFIER REMOVED FOR OPERATION

The RCA Model PG-181 Portable Sound System consists of a splendid 6-watt amplifier, a permanent magnet field accordion edge loudspeaker and ample inter-connecting cables. Provision is made in the black leatherette covered carrying case for the optional addition of a second accordion edge speaker where requirements necessitate a two speaker system. When in use the amplifier is removed from the carrying case to permit placement of the speaker where desired. Standard high impedance microphones or standard high and low impedance record-playing attachments may be used. Net weight, 23 lbs., shipping, 35 lbs.

PG-181 (MI-4707) Complete with tubes but less microphone and stand 105/125 Volts, 50/60 cycles.—Code SIASI

PG-181A (MI-4707A) Complete with tubes but less microphone and stand 110/220 Volts, 25/60 cycles.—Code SLODJ

Additional Accordion-Edge Speaker (MI-6234A) Includes Speaker Chassis only for installation by user.—Code SHEPA

FEATURES

- 6 WATTS OUTPUT
- PERMANENT MAGNET ACCORDION EDGE LOUD SPEAKER
- OPERATES WITH STANDARD HIGH IMPEDANCE MICROPHONES
- STANDARD HIGH AND LOW IMPEDANCE PHONOGRAPH INPUTS
- SINGLE CARRYING CASE
- TONE CONTROL

Auction Rooms



Bowling



Gymnasiums





TELEKOM SERIES "70" SYSTEM

CONVERTS WALKING TIME INTO
WORKING TIME!



MI-6370A

The RCA Telekom Series 70 System provides two to seven stations all inter-communicating. Each station has six push buttons which permit connection with any of six other stations. From one to three two-way conversations may be had over this system simultaneously and without interference.

RCA Telekom Series 70 System installed in associated offices, as illustrated, eliminates time wasted between offices and "converts walking time into working time." Model MI-6370A and model MI-6371A are identical except that model MI-6371A includes an earphone for privacy. The speaker is automatically silenced when the earphone is removed from the hook.

RCA Telekom Series 70 System stations may be connected to any 105/125 volts A.C. or D.C. power source. Ordinary shielded wiring is all that is required between stations. Stations may be up to 1,000 feet apart. Any station may be called even though disconnected from power source, but power must be turned "on" to permit reply.

All units are housed in walnut finished cabinets. Size: 6 $\frac{1}{4}$ " H., 8" W., 5 $\frac{1}{2}$ " D. Specify Model MI-6370A (without earphone) or Model MI-6371A (with earphone) when ordering.



MI-6371A

RCA Telekom Series 70 System Station
without earphone.

MI-6370A—Code SEUHA

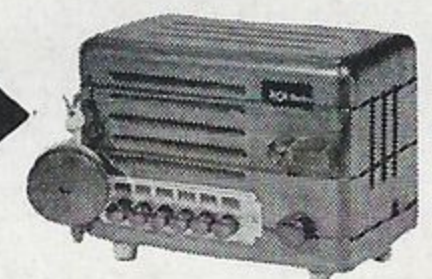
RCA Telekom Series 70 System Station with
earphone.

MI-6371A—Code SEUKD

7 STATIONS • ALL MASTERS



SECRETARY



EXECUTIVE



CREDIT



CASHIER



WAREHOUSE



SHIPPING

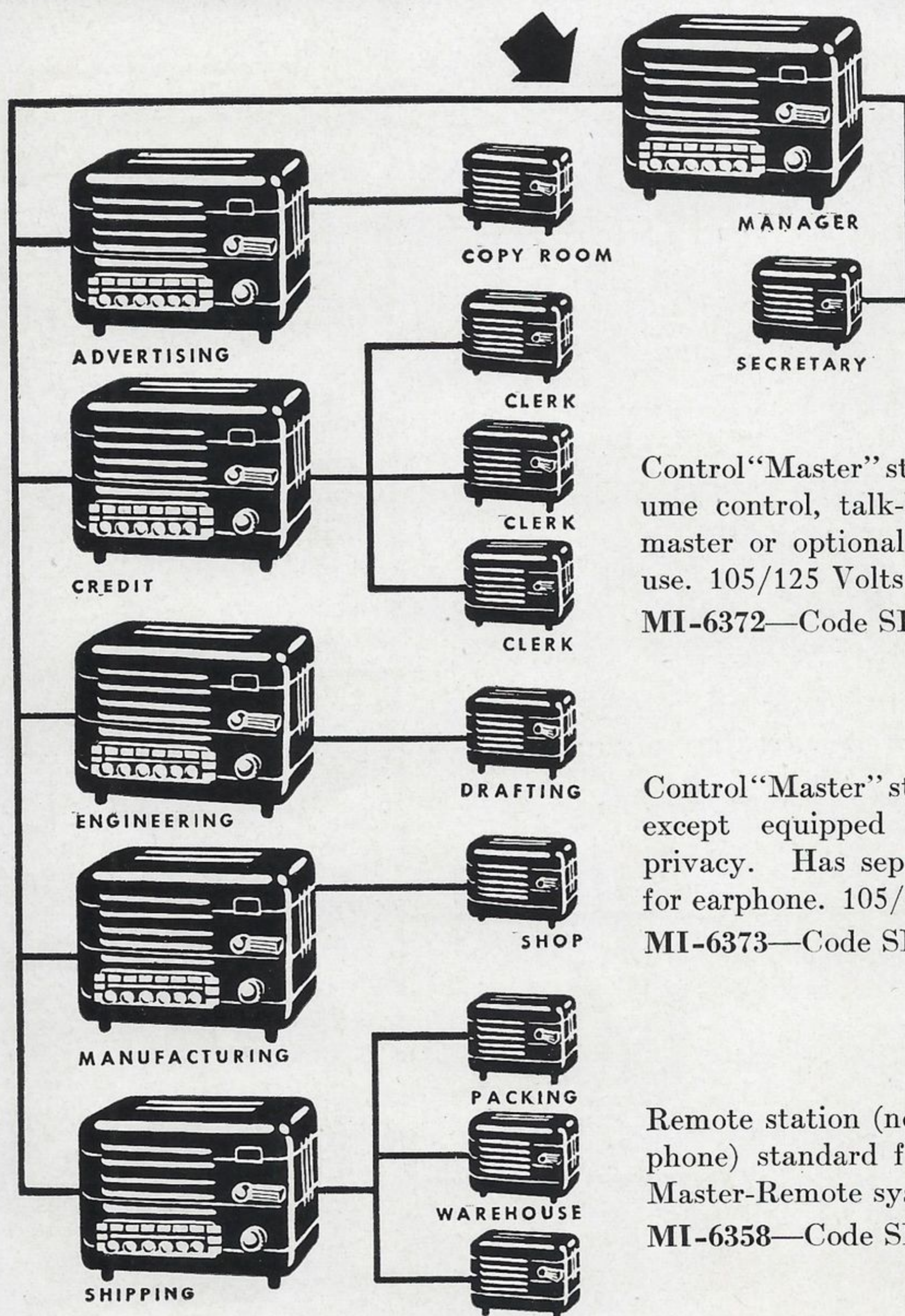


BOOKKEEPER



EXECUTIVE SERIES TELEKOM

ROUND TABLE CONTACT - - EVERY MAN AT YOUR FINGERTIPS!



With the RCA "Executive" series Telekom system each control station is a 6 button "Master" unit for selective communication with any other control station (total of 7). Alternatively any control station may be connected with 1 to 6 "Remote" stations. Any control station may talk to other control stations or to its own "Remote" stations. Remote stations may talk to the control station with which they are connected. Using both control master and remote units a maximum of 37 stations is possible.

Control "Master" station. 6 buttons, volume control, talk-listen switch, for all master or optional master with remote use. 105/125 Volts A.C. or D.C.

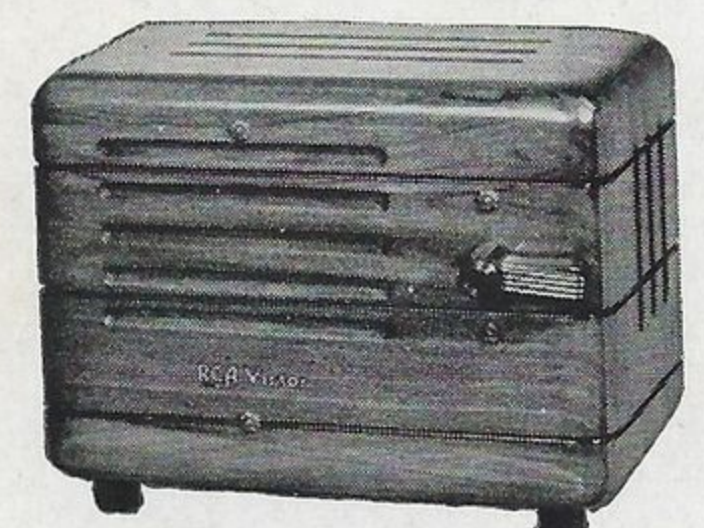
MI-6372—Code SLIHT

Control "Master" station. Same as above except equipped with earphone for privacy. Has separate volume control for earphone. 105/125 Volts A.C. or D.C.

MI-6373—Code SLINZ

Remote station (not furnished with earphone) standard for use with all RCA Master-Remote systems.

MI-6358—Code SEQEB





PRESIDENT SERIES TELEKOM

Mr. President:

YOU CAN COMMUNICATE WITH EVERY OFFICE INSTANTLY!



PRESIDENT

Control station, 12 button master or optional master with remote. 105/125 Volts A.C. or D.C.
MI-6374—Code SLIRC



VICE-PRESIDENT

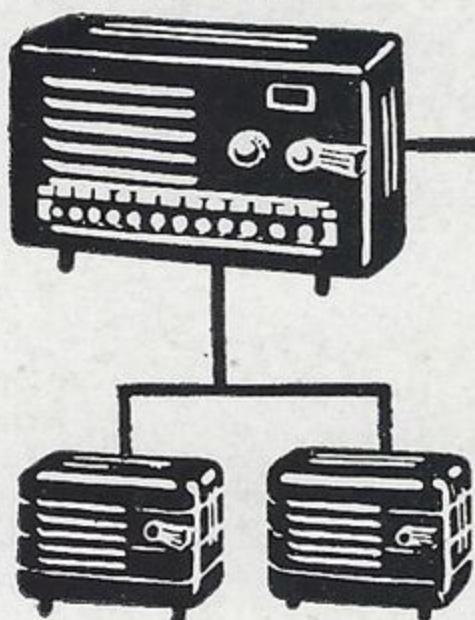
Control station, 12 button master, same as above except has ear-phones for privacy. 105/125 Volts A.C. or D.C.
MI-6375—Code SLITE



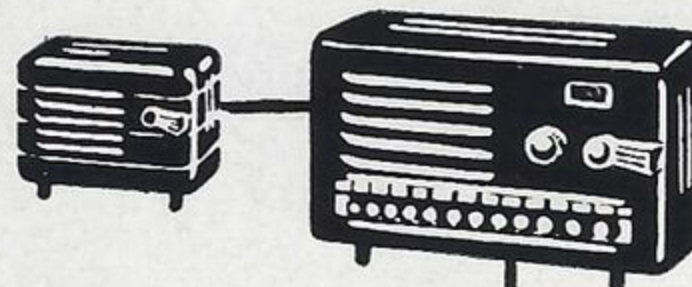
SECRETARY

Standard remote station used with all RCA master-remote systems.
MI-6358—Code SEQEB

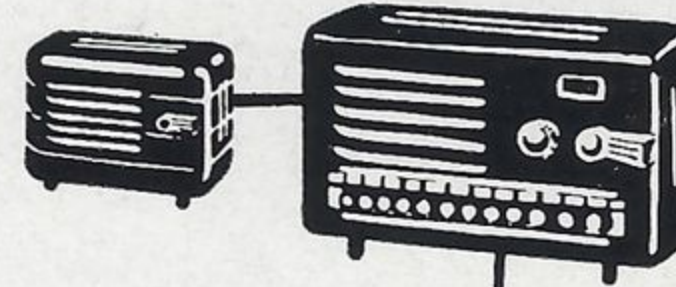
LABORATORY



TREASURER



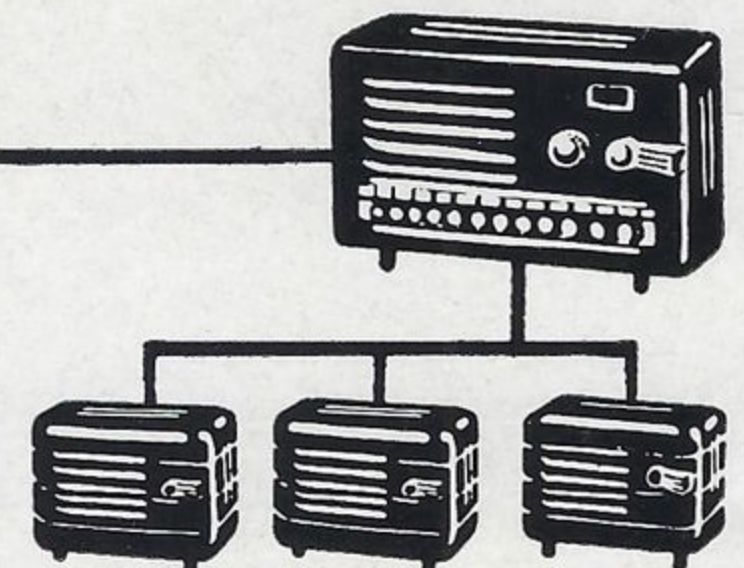
SALES MANAGER



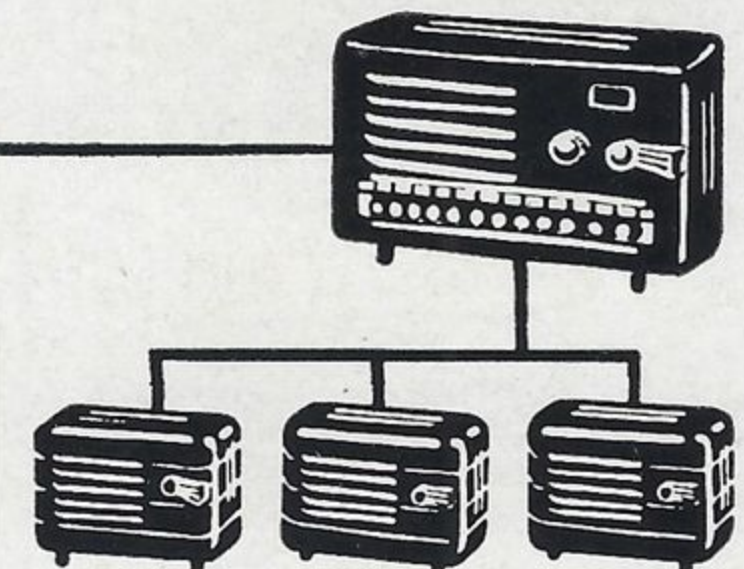
ADVERTISING



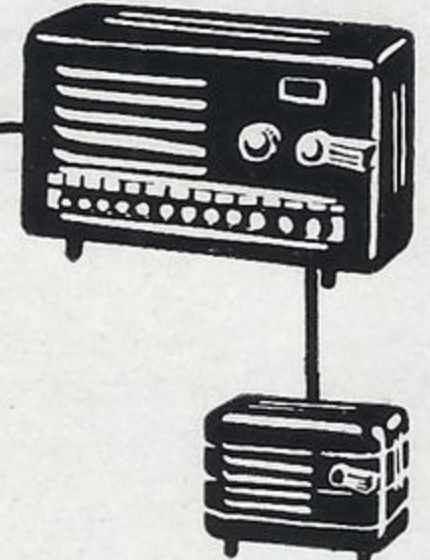
CREDIT



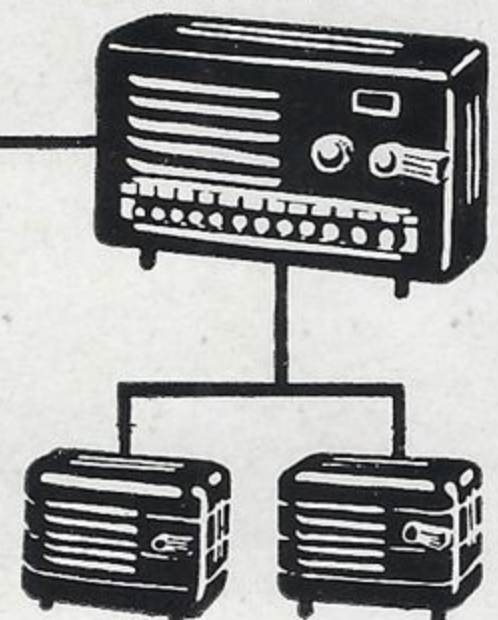
PURCHASING



ENGINEERING



MANUFACTURING

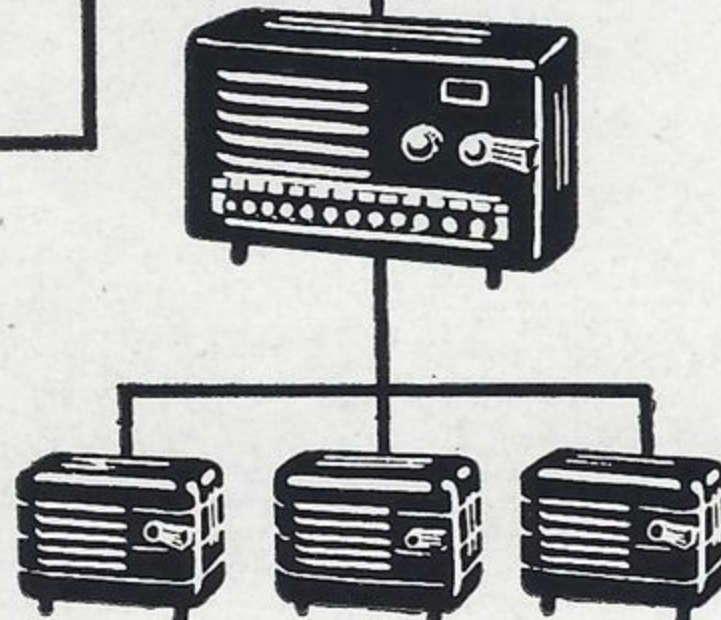


The "President" series Telekom inter-communicating system is suitable for installations requiring up to 145 combined master with remote stations.

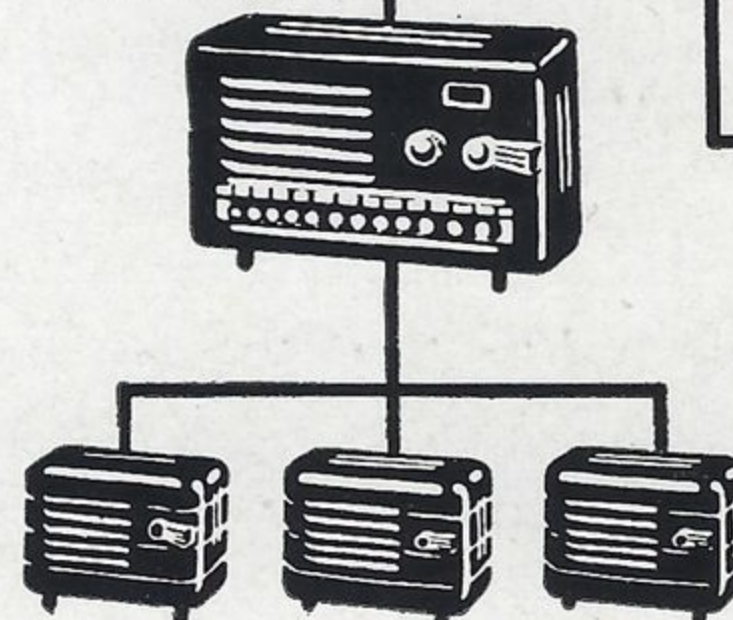
The "President" series Telekom system enables the busy executive to obtain instant contact with other executives and all operating departments. No waiting—No busy signals—Instant communication.

With RCA "President" series Telekom inter-communicating system each control station is a 12 button "Master" unit for selective communication with any other control station (total of 13 stations). Alternatively any control station may be connected with 1 to 12 remote stations or a proportionate number of control and remote stations. A possible maximum of 145 stations may be used in a single system.

SHIPPING



WAREHOUSE





TELEKOM SERIES "50" SYSTEM

COMMUNICATION—AT THE PUSH OF A BUTTON

RCA Telekom Series "50" System will be found exceptionally desirable for all inter-communicating installations requiring instant communication with from one to six remote positions.

The control station may communicate with any remote unit by merely pushing a button to establish instant connection with the desired point.

Communication from any remote unit to the control station is established by depressing the switch on the remote unit and further manipulation of this switch is rendered unnecessary by pushing a corresponding button on the control station.

Connection between the various units is simple; a

three-wire shielded cable connects each remote unit with the control station. Remote units may be placed up to 1,000 feet from the control station.

Power for the control station may be obtained from any 105/125 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" wide, 6 $\frac{1}{4}$ " high, 5 $\frac{1}{2}$ " deep.

Control station with earphone permits private listening. When earphone is lifted from the hook the cabinet loudspeaker is silenced and conversation is transferred to the earphone for privacy. Specify model control station desired, when ordering.



CONTROL STATION
(without earphone)
MI-6357A—Code SEQDA



CONTROL STATION
(with earphone)
MI-6359—Code SEUFZ



REMOTE UNIT
(not furnished with earphone)
MI-6358—Code SEQEB



ALARM SIGNAL GENERATOR

RCA Alarm Signal Generator combines a 6 watt amplifier (MI-12237, see page 6) with a neon tube relaxation oscillator. The oscillator section supplies a distinctive saw-tooth air-raid, fire or other emergency warning signal or a single frequency all-clear signal to the amplifier section. A switch provides for convenient change-over from warning to all-clear signal. In addition to the combined oscillator-amplifier function the amplifier may be used in normal manner for microphone or record player input.

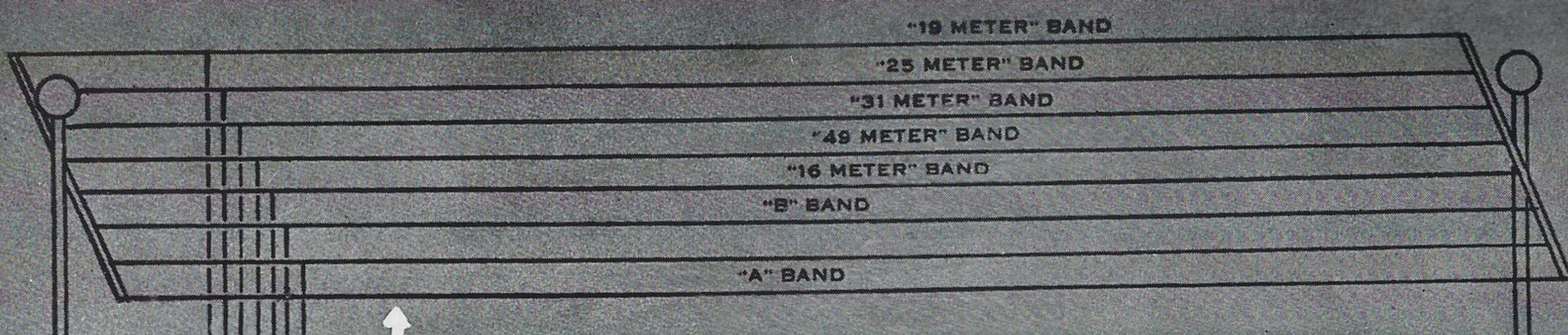
RCA Alarm Signal Generator is suggested for applica-

tion as a signal generator driver amplifier unit to feed signal lines supplying numbers of power amplifiers in large sound installations such as industrial plants, military areas, shipyards, etc.

MI-12357—Code SNANI

SPECIFICATIONS

AMPLIFIER—Same as MI-12237 (see page 6)
OSCILLATOR—
TONE—Saw-tooth or single frequency.
TUBES—2-991 neon 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 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 multiple by seven. Lead-in cable may be run exposed or in rigid conduit.

MI-19—Code, SCIMP

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 add 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

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

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

Radio Receiver Terminating Unit MI-5026

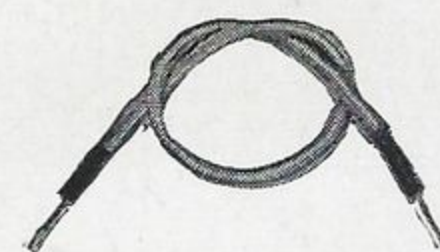
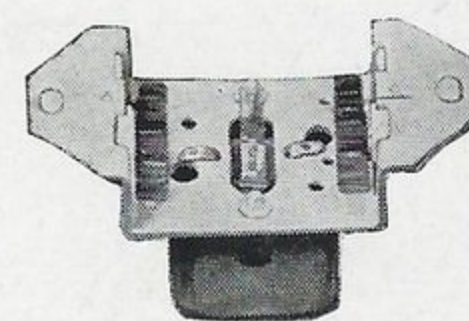
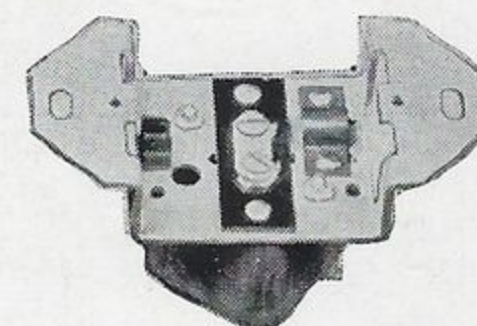
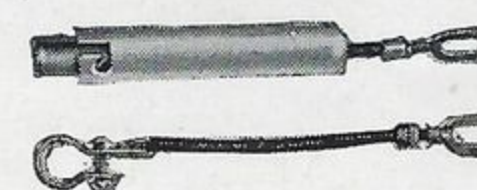
One radio receiver outlet terminating unit is required for each radio receiver to be served. MI-20 cable is used for connection between receiver outlet unit and receiver outlet terminating unit.

MI-5026—Code, SCOBZ

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

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



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 Phosphor Bronze), "L" type 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 support 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

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

Lightning Arrester MI-5014

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

MI-5014—Code, VLEEW

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

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

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

Radio Receiver Terminating Outlet Receptacle MI-5029

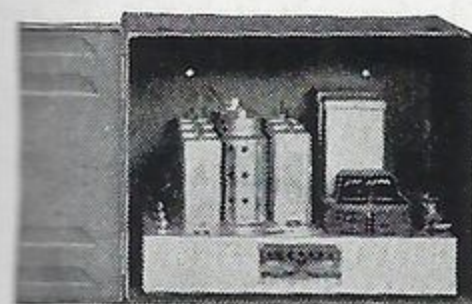
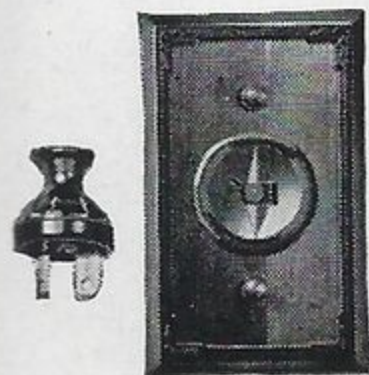
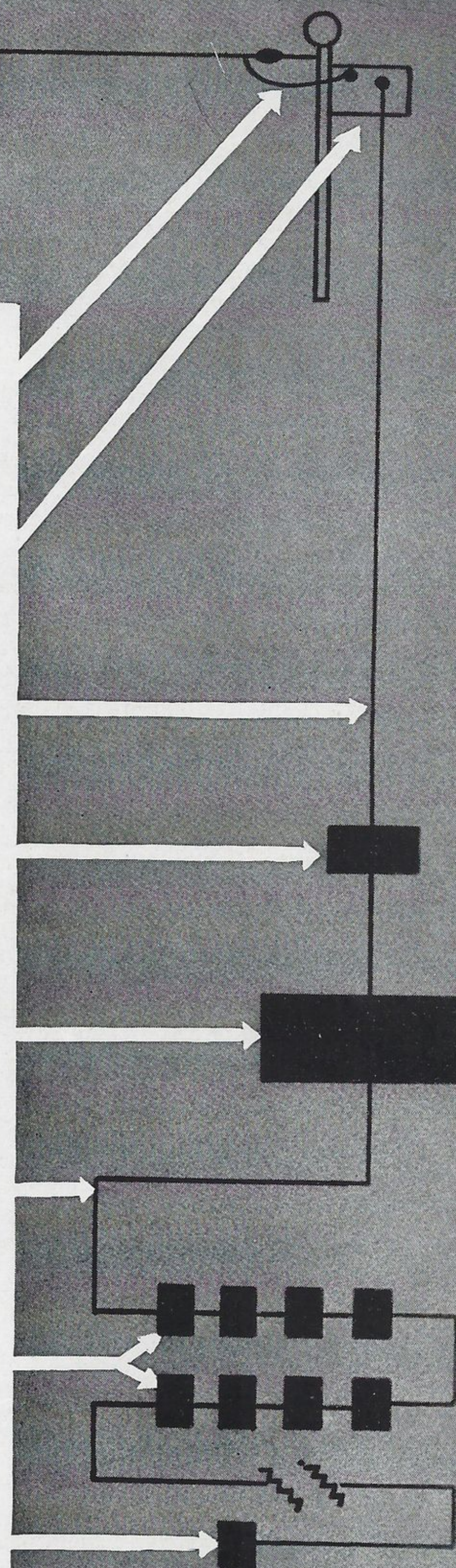
This unit is used to properly terminate the distribution line and also acts as an outlet receptacle for the last radio receiver at the end of the distribution line

MI-5029—Code, SEJOS

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 of the antenna transformer MI-5018 should be connected directly to the distribution cable and the cable shield connected to a good ground.





SUGGESTION FOR LOUDSPEAKER MATCHING

The proper connection of loudspeakers to an amplifier is a matter of major importance to the engineer who is striving for good quality in sound reproduction. The electrical load represented by a group of loudspeakers must properly match the power output characteristics of the amplifier for best results.

The total power handling capacity of a group of loudspeakers should be equal to or slightly greater than the peak power output of the amplifier. If the combined capacity of the speakers is less than the output of the amplifier, the loudspeakers may be overdriven and damaged unless the power output of the amplifier is limited by proper adjustment of the amplifier volume control.

Proper loudspeaker capacity and amplifier power are not alone sufficient for optimum results. The output impedance (AC-resistance) of the amplifier and the input impedance (AC-resistance) of the loudspeakers should match. Otherwise maximum transfer of power from amplifier to loudspeakers does not occur.

The problem of impedance matching is relatively simple so long as all speakers connected in parallel have the same impedance. Simply divide the impedance of one speaker by the total number of speakers to obtain the total impedance of the group of speakers and connect to an impedance (output) tap of the amplifier which is equal or slightly lower in impedance rating. The loudspeakers should never be connected to an amplifier tap of higher impedance rating.

In order to determine the total impedance of a group of loudspeakers (parallel connected) of different input impedance (resistance) a common denominator must be found.

The mathematical equation can be symbolized as follows:

Let R = the combined impedance of the group of speakers.

and r = the impedance of each speaker.

and N = the number of speakers.

It will then be necessary to find a common denominator so that for purposes of the equation each " r " is of the same impedance. This can be done by the same mathematical process used in determining common denominator for fractions; i.e., assume we have three speakers of 5000 ohms, 2500 ohms, and 1250 ohms. In this case, 5000 ohms could be used as the common denominator or " r " since the other values are equally divisible into it. Then the impedance value of the three speakers could be expressed as follows:

$$\begin{array}{ccc} 5000 \text{ OHMS} & 2500 \text{ OHMS} & 1250 \text{ OHMS} \\ \frac{1}{5000} = \frac{1}{r} & \frac{1}{2500} = \frac{2}{5000} = \frac{2}{r} & \frac{1}{1250} = \frac{4}{5000} = \frac{4}{r} \end{array}$$

Now assume we have ten 5000 ohm speakers, five 2500 ohm speakers and fifteen 1250 ohm speakers. To obtain the total impedance of the group, we multiply $\frac{1}{r}$, $\frac{2}{r}$, and

$\frac{4}{r}$ by the total number of speakers in each of these classifications.

$$\text{Thus } 10 \times \frac{1}{r} = \frac{10}{r} : 5 \times \frac{2}{r} = \frac{10}{r} : 15 \times \frac{4}{r} = \frac{60}{r}$$

$$\text{Then } \frac{10}{r} + \frac{10}{r} + \frac{60}{r} = \frac{80}{r} \text{ or } \frac{80}{5000} = \frac{N}{r}$$

$$\text{Now reverse the fraction to } \frac{r}{N} = \frac{5000}{80} = R$$

so that we may divide the impedance by the number of speakers and we find that 5000 divided by 80 gives us a total impedance (R) for the loudspeaker group of 62.5 ohms.

As stated previously for optimum results this speaker load of 62.5 ohms should be connected to an amplifier output tap of equal or slightly lower—*never higher*—impedance. We find that a standard amplifier has output taps of 4, 7½, 15, 60, and 250 ohms impedance. We, therefore, connect the 62.5 ohm speaker load to the 60 ohm amplifier tap. The slight mismatch (in the right direction) is not sufficient to seriously impair results and proper transfer of power from amplifier to speakers will occur. However, if the speaker load is connected to an amplifier tap of higher impedance, this produces an overloaded condition affecting the output tubes and results in distorted sound output.

The total impedance of any group of parallel connected loudspeakers may be determined by one of the two methods stated, depending on whether the speakers have identical input impedance or different input impedances.

Suppose we have a total loudspeaker load of 30 ohms, to which amplifier tap do we connect? Reference to the RCA instruction books will disclose that in addition to the amplifier taps marked 4, 7½, 15, 60 and 250 ohms, it is possible to obtain a number of other values by special connections between these taps. In this manner, other values such as 26, 34, 142, 170 and 192 ohms may be obtained. In this case the 26 ohm connection should be selected.

It may be desired to reduce or increase the power output of a certain speaker as compared to the other speakers in the parallel circuit. In that case, a different tap must be used on the speaker transformer, either increasing or reducing AC-resistance in proportion to the reduction or increase of power output desired. This sets up new impedance values and requires recalculation of the combined speaker load.



RCA SOUND PRODUCTS...TUBE COMPLEMENTS

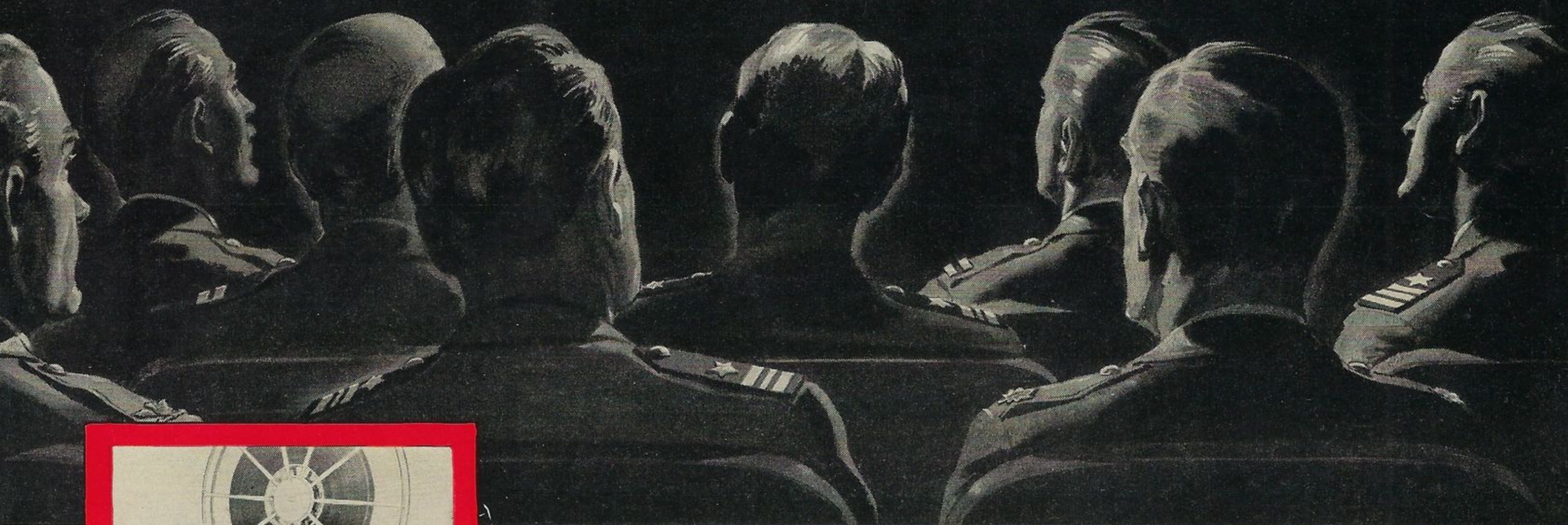
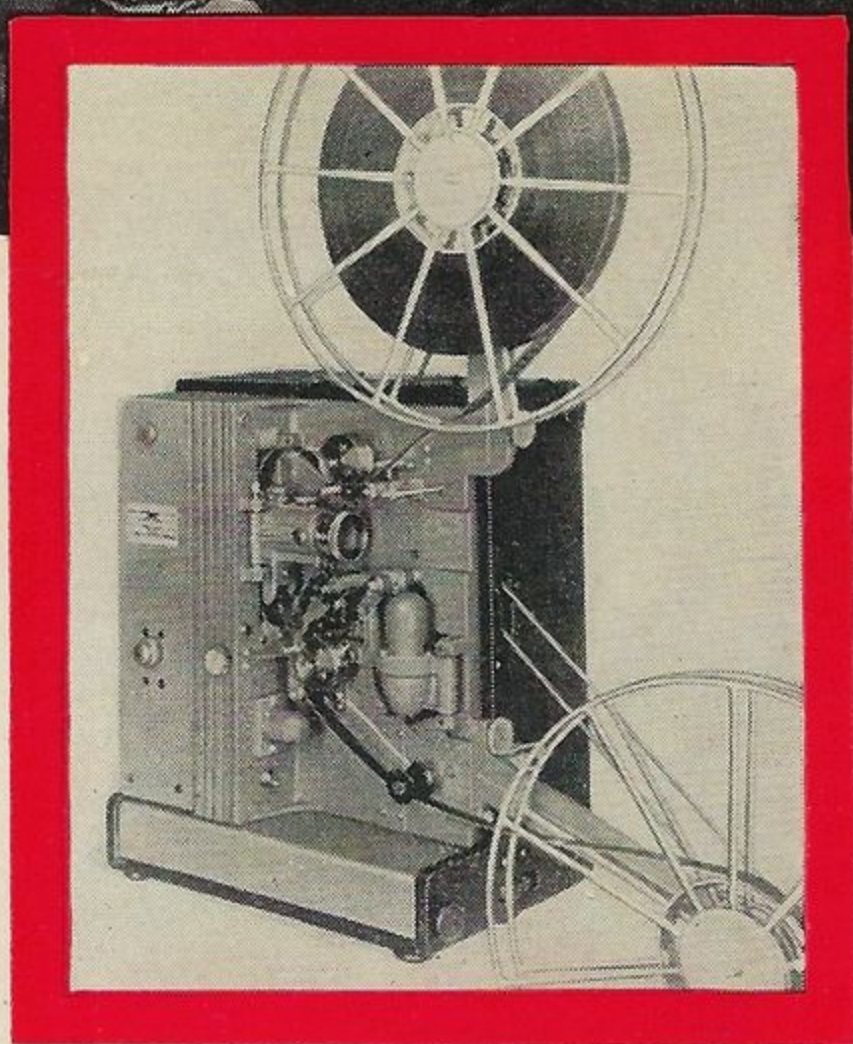
<i>Unit</i>	<i>Description</i>	<i>Tubes</i>	<i>Unit</i>	<i>Description</i>	<i>Tubes</i>
MI-1329/1376 (PG-170)	16 mm Projector	1—6J7, 1—6N7, 2—6V6, 1—6F6, 1—5Z4 1—927, Phototube 750-W. Projection Lamp (120V.) # 28681 750-W. Projection Lamp (115V.) # 28448 Exciter Lamp # 27807	MI-6359	Telekom—Control Unit—"Wired" Type	1—12SC7, 1—50L6—GT, 1—45Z5-GT
MI-4117-A	Electric Mixing Unit	1—1612	MI-6370A	Telekom—All Inter- Communicating "Wired" Type	1—12SC7, 1—50L6-GT, 1—45Z5-GT
MI-4118	Electric Mixing Unit	1—1612	MI-6371A	Telekom—All Inter- Communicating "Wired" Type	1—12SC7, 1—50L6-GT, 1—45Z5-GT
MI-4263-A	Booster Amplifier	1—6C5	MI-6372	Telekom—"Execu- tive" Series	1—12SC7, 1—50L6-GT, 1—45Z5 GT
MI-4273	Voltage Amplifier	3—1612	MI-6373	Telekom—"Execu- tive" Series	1—12SC7, 1—50L6-GT, 1—45Z5-GT
MI-4288-G or H	50-Watt Amplifier	2—6C5, 4—6L6, 2—5Z3*	MI-6374	Telekom—"Presi- dent" Series	1—12SC7, 1—50L6-GT, 1—45Z5-GT
MI-4297-A	Voltage Amplifier	1—6H6, 4—1612	MI-6375	Telekom—"Presi- dent" Series	1—12SC7, 1—50L6-GT 1—45Z5-GT
MI-4304	Mixer Power Supply	1—80	MI-12208	2-Position Mixer	2—1612
MI-4707 or A	Amplifier and Spkr. Assembly (also PG-181)	2—6J7, 1—6L6, 1—5Y3G	MI-12211 or A	Bridging Amplifier	1—6SJ7, 2—6L6, 1—6N7, 1—5T4
MI-4726	Additional Signal Mixer Kit	1—1612	MI-12214 or A	50-Watt Amplifier	3—6J7, 2—6C5, 4—6L6, 2—5Z3
MI-4727	Additional Signal Mixer Kit	1—1612	MI-12217 or A	Bridging Amplifier	1—6SJ7, 2—6L6, 1—6N7, 1—5T4
MI-4733	High Impedance Signal Mixer Kit	1—1612	MI-12222 or A	15-Watt Amplifier	1—6J7, 2—6N7, 2—6L6, 1—5Z3
MI-4737-A	Compander	1—1612, 1—6H6	MI-12224 or A	25-Watt Amplifier	3—6J7, 2—6L6, 2—6C5, 1—5U4G
MI-4839	25-Watt Amplifier with Turntable	2—6SC7, 2—6L6, 1—6N7, 1—5V4G	MI-12230-B	Mobile AC-DC Amplifier—15 watts	3—6J7, 1—5Y3G, 2—6V6-GT
MI-5002-A	Antensifier	1—80, 3—6C6	MI-12235	50-Watt Amplifier	2—6C5, 4—6L6, 2—5Z3*
MI-5010-A	Antensifier with Box	1—80, 3—6C6	MI-12236 or A	6-Watt Amplifier	2—6J7, 1—5Y3G, 1—6L6
MI-5027	Multi-Wave Antena- plex Amplifier for all bands except "X", (MI-5011)	16—6C6, 1—80	MI-12237 or A	60-Watt Amplifier	2—6J7, 1—5Y3G, 1—6L6
MI-5027-A	Multi-Wave Antena- plex Amplifier for all bands including "X", (MI-5011)	16—6C6, 1—80	MI-12238 or A	6-Watt Amplifier	2—6J7, 1—5Y3G, 1—6L6
MI-6357-A	Telekom—Control Unit—"Wired" Type	1—12SC7, 1—50L6-GT, 1—45Z5—GT	MI-12239 or A	6-Watt Amplifier	2—6J7, 1—5Y3G, 1—6L6
			MI-12357	Alarm Signal Generator	2—6J7, 1—5Y3G, 1—6L6 2— # 991 Neon Tubes

Glass type tubes (available types) may be used as alternates for types listed.

* 5U4G Rectifier used in some models.



16 m.m. PROJECTOR HAS GONE TO WAR



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