



MONARCH

MANUFACTURERS OF:

TRANSISTOR
AND TUBE RADIOS,
TAPE RECORDERS,
HI-FIDELITY TUNERS,
AMPLIFIERS, MPX
STEREO RCVRS
SPEAKERS,
MICROPHONES,
ELECTRONIC PARTS

ELECTRONICS
INTERNATIONAL
INCORPORATED

7035 Laurel Canyon Blvd., North Hollywood, Calif.

CATALOG 64

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**superior
six transistor**



MONACOR

A leader in every way . . . superior in performance, in appearance, in distinctive features, and in favorable selling price! The most advanced circuitry and components contained in a molded case of heavy black plastic beautifully accented with bright silver grille, station indicator and grille border. Measures 4" x 2½" x 1½". Features the popular, new fitted wrist strap and a large PM speaker. With earphone and battery in colorful display carton.

RE-606

MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA

MONACOR

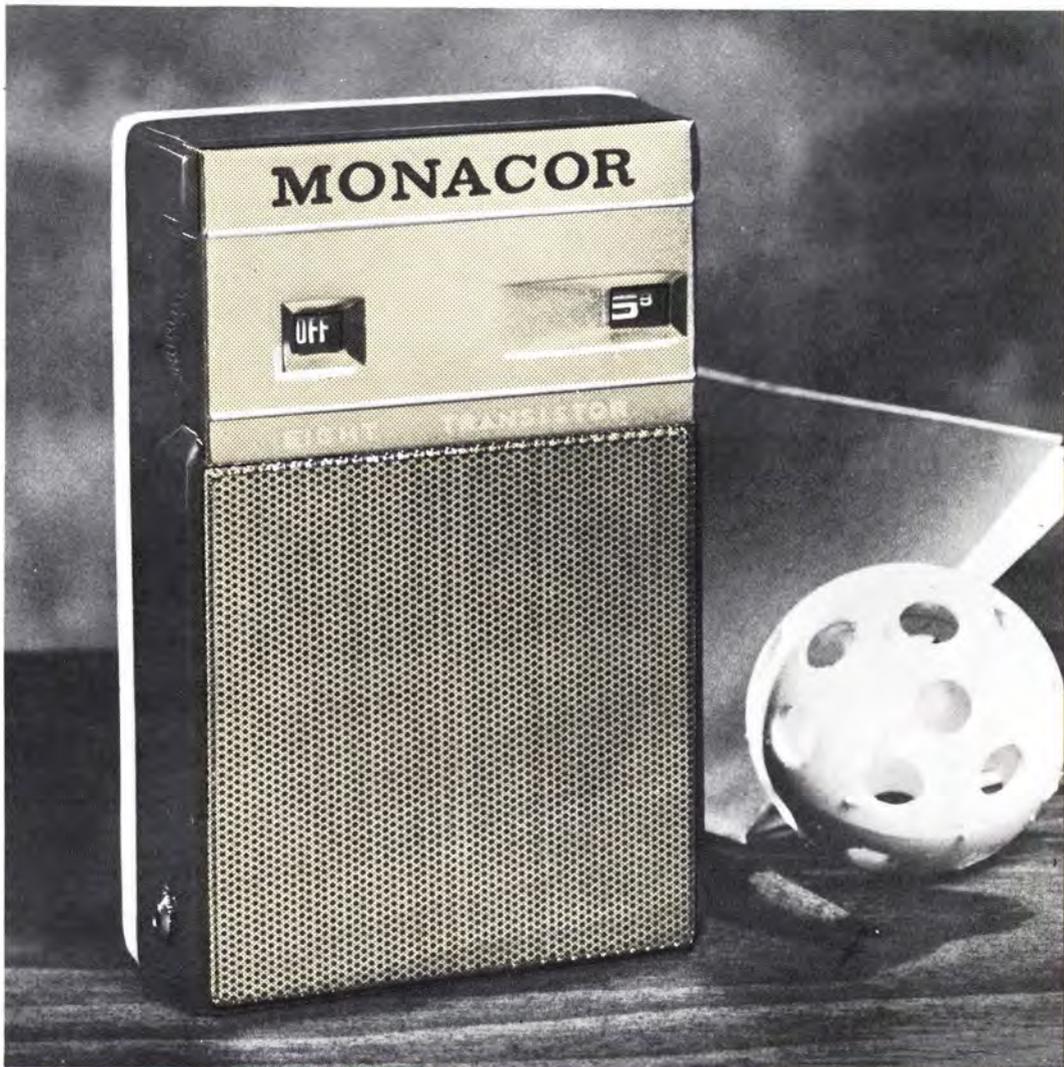
**pocket
size
six transistor
in
plastic
display box**



A specially designed six transistor model with looks and quality to belie the price tag! Sensitivity, tone and range are equal or superior to many units selling for much, much more. The top performance, clean good looks and AMAZING price have gained wide acceptance all over the country. Strikingly packaged in plastic display box with clear-view top crossed with a gleaming gold band brightly imprinted. Supplied complete with carrying case, battery and earphone.

RE-612

MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA



**powerful, pocket-size
eight transistor**



A budget-priced unit certain to become a favorite with the cost-conscious buyer! Incorporates all the features desired by the "smart" customer . . . modern design case of colorful 2-tone plastic, stylized escutcheon plate, burnished gold speaker grille, distinctive on-off indicator and easy-to-see tuning numerals. Measures $4\frac{1}{4}'' \times 2\frac{5}{8}'' \times 1\frac{3}{16}''$. Packaged with carrying case, earphone and battery in an attractive, attention-getting display carton.

RE-808

MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA

MONACOR

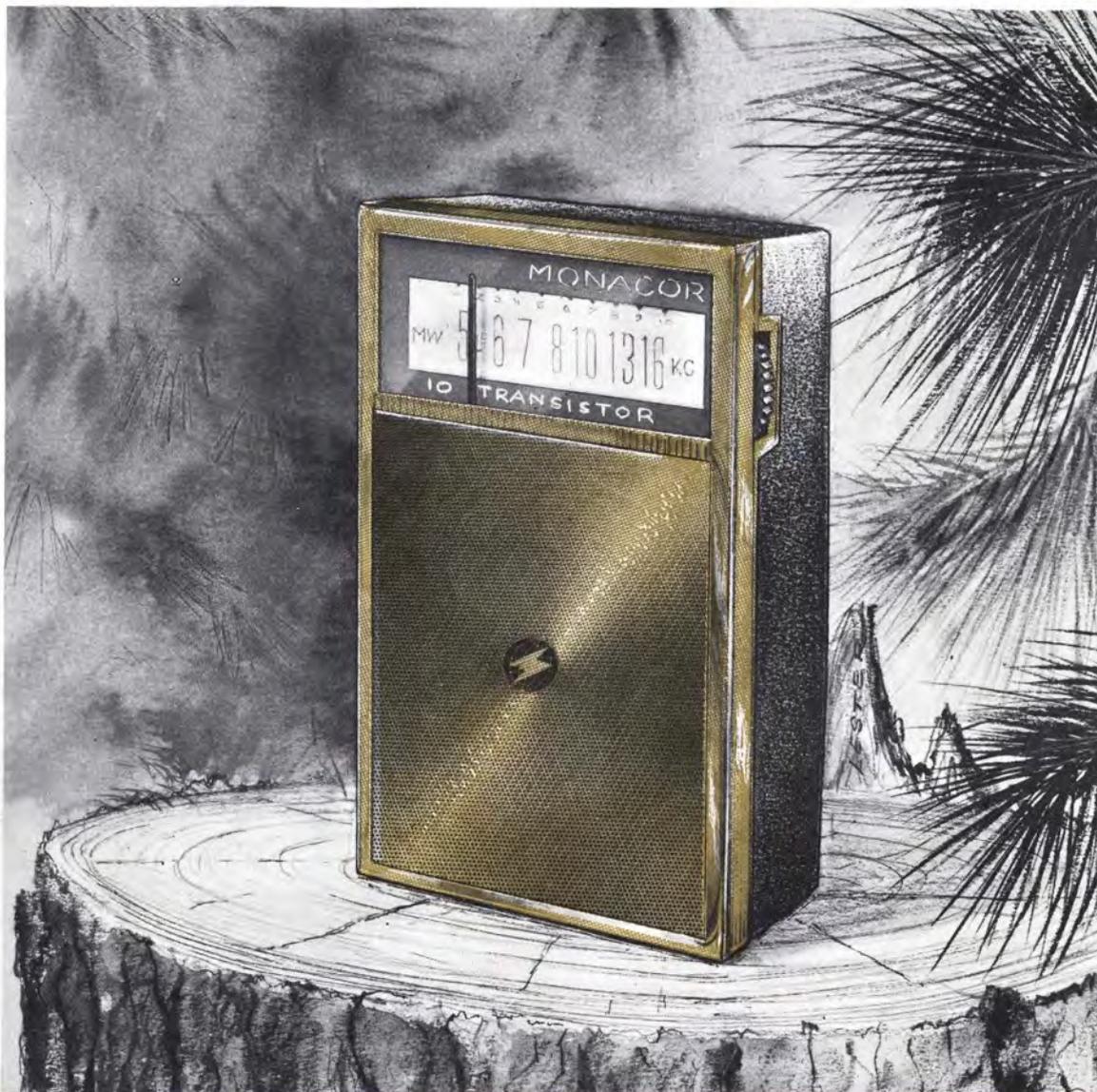


**deluxe, ethereal
eight transistor**

All that anyone could dream of possessing in an eight transistor pocket radio! Strictly for those who love quality and esteem cost. A large, horizontally styled case, $4\frac{1}{4}'' \times 3\frac{1}{8}'' \times 1\frac{1}{4}''$, to accommodate a big, wide-range PM speaker, latest superhet circuitry, and a large ferrite antenna. Specially engineered to assure years of satisfaction and designed for prestige eye appeal. Packaged for display in a striking 2-color display carton with ear-phone, battery and leather carrying case.

RE-888

MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA

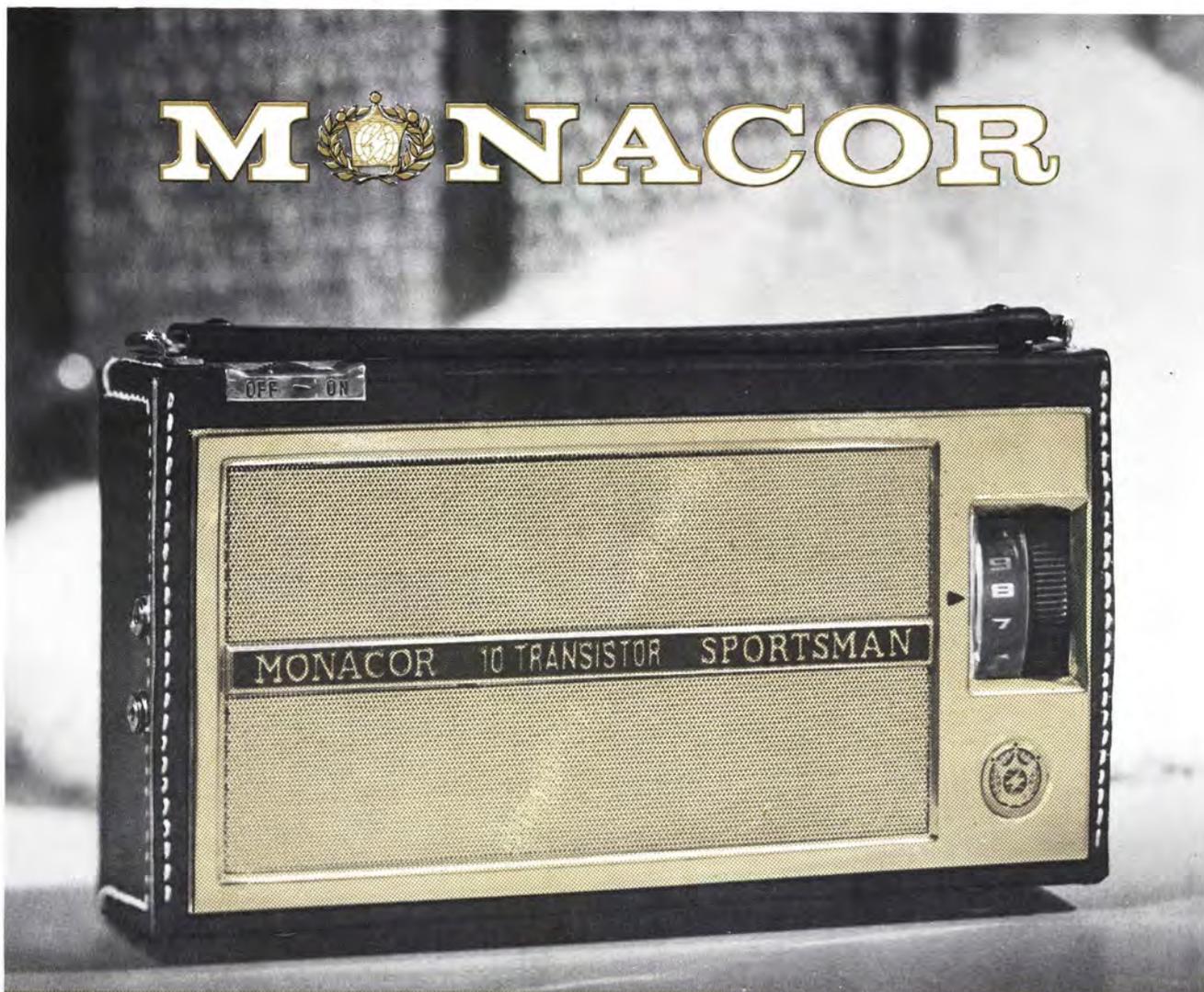


**prideful ten transistor
pocket radio
with horizontal tuning**

Proud in ten ways . . . 10 of the newest and finest transistors . . . the most advanced circuitry . . . big, wide-range speaker . . . stylized textured case . . . smart, slide-rule tuning dial . . . gold, sunburst speaker grille . . . large ferrite antenna . . . with carrying case, battery, earphone . . . colorfully packaged for display . . . pleasantly priced to please the budget buyer!

RE-10

MONACOR



**the "sportsman"
powerful ten transistor encased
in choice of rich leathers.**

Rugged, compact, powerful companion for fine sound anywhere . . . beach, field, stream, mountain cabin or home patio. With hi-sensitivity, 10 transistor-2 diode circuitry and the new OTL (output-transformerless) transistors to eliminate noise inherent in most transformers. Contains a 3-gang tuning condenser and 3 full IF's. A giant built-in ferrite antenna pulls in distant stations and a fine 3½" PM speaker delivers full, rich sound.

RE-1010

MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA



MONACOR

**three band am/sw-1/sw-2
eight transistor**

A sparkling, versatile unit with the latest 8 transistor-2 diode circuitry and many distinctive features... 2-stage tone control switch, illuminated slide-rule tuning dial, battery and tuning indicator, big, wide-range PM speaker, two earphone jacks and a record player jack, 32 inch telescoping antenna in a rugged 2-tone plastic case with gleaming silver metallic grille and accents. Standard broadcast band plus SW-1: 3.5 mc-10 mc and SW-2: 9.3 mc-12 mc. Complete with hand-stitched, genuine leather carrying case, earphone and batteries.

MARINE BAND MODEL

Standard
Broadcast Band
Marine Band:
1.6-4 mc,
Short Wave Band:
3.9-12 mc.

RE-3B

RE-3MB

MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA

MONARCH



**deluxe, professional type
five- band
10 transistor**

A rugged, dependable unit to please the most discriminating. Long Wave Band: 145-375 kc, Medium Wave Band: 535-1605 kc, Marine: 1.6 mc-4.6 mc, SW-1: 4.6 mc-12 mc, SW-2: 11.5 mc-22 mc. Incorporates such outstanding features as push-to-light dial lamp, tuning meter, fine tuning vernier, automatic frequency stabilizer, noise limiter, tone control, and a 32" telescoping antenna. In a break-resistant plastic case measuring 9½" × 8½" × 3¼" with handle and silver metallic grille and escutcheon. A true luxury unit to provide years of listening pleasure.

RE-105B

MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA

**am/fm
nine
transistor
portable
with afc**



Hand-size unit in cleanline plastic case with distinctive gold escutcheon, vernier tuning dial, and convenient wrist cord. Features the most advanced nine-transistor circuitry, huge ferrite antenna, and special wide-range PM speaker. With AFC circuitry to assure the finest drift-free sound on both AM and FM bands. Modestly priced for the thrifty purchaser. Complete with battery and earphone, in a bright display carton.

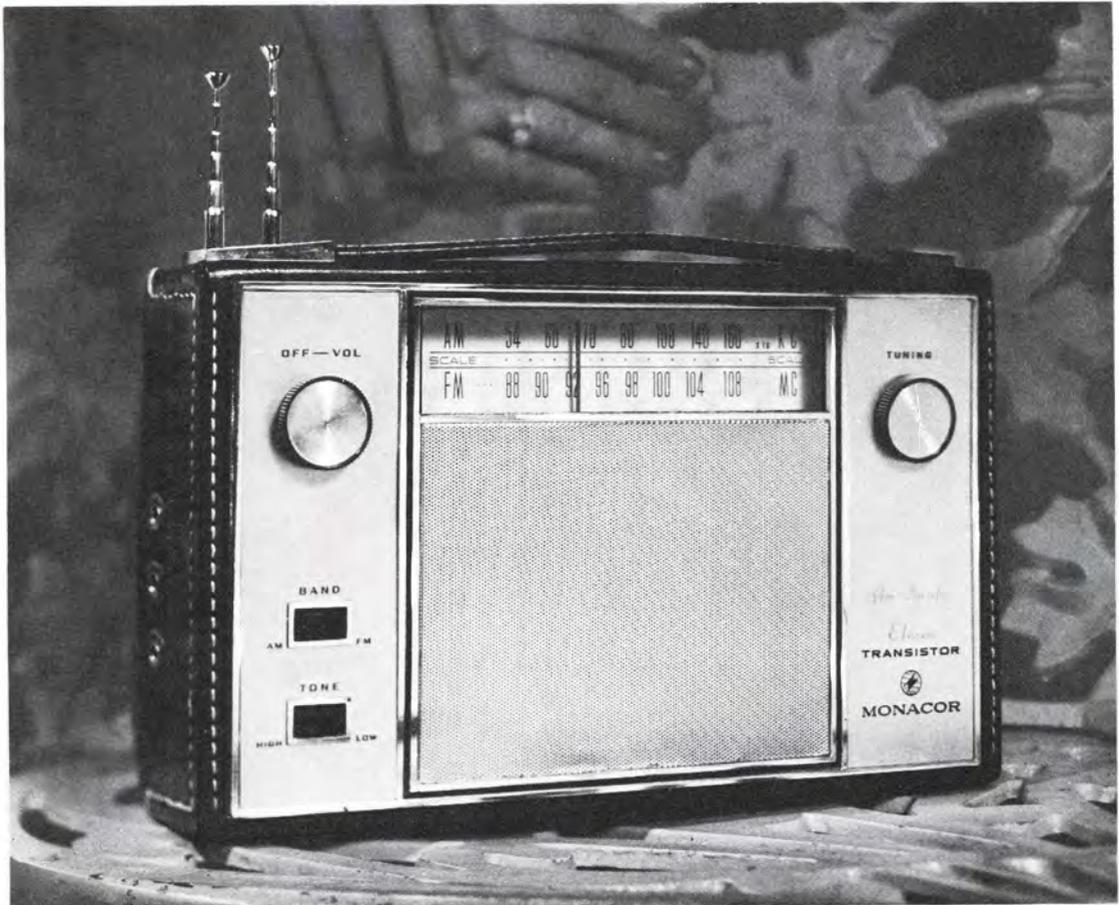
RE-1200



**leather
encased
am/fm
nine
transistor
with afc**

A beautiful, luxury portable with eye appeal, ear appeal, and a prestige look. Contained in a rich, hand-stitched, cordovan leather case with fitted handle is the latest nine transistor circuitry with huge ferrite antenna and powerful PM speaker for unbelievably fine sound on both AM and FM bands. Features vernier tuning, AFC drift-free circuitry and brilliant sunburst style gold speaker grille. Strikingly packaged for display. With batteries and earphone.

RE-1250L



MONACOR

am/fm

leather encased

eleven transistor

Superior sound reproduction on both AM and FM bands now possible with this big, beautiful, master-crafted portable. Encased in a black, custom made, hand-stitched, genuine leather carrying case with carrying handle. Measures 10 $\frac{5}{8}$ " \times 6 $\frac{1}{2}$ " \times 2 $\frac{3}{8}$ ". Features a wide-range PM speaker, slide-rule tuning dial, tone control, 1 phono and 2 earphone jacks, twin 20" telescoping antennas, and sparkling silver grille. In bright display carton with earphone and batteries.

RE-1400

MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA

**deluxe 5-band
am/fm/marine/sw-2/sw-3
fifteen transistor portable**



A powerful 15 transistor 2 diode radio built to a watchmaker's precision. Clear, undistorted sound is reproduced with a 4" x 6" elliptical speaker matched with the new transformerless input and output transistors. Incorporates such deluxe features as automatic frequency control, tone control, two earphone and one phono jack, multiplex adaptor jack, built-in ferrite antenna, dual and telescoping antennas. AM: 540-1600 KC, FM: 88-108 MC, SW-1: (Marine Band) 1.6-4.6 KC, SW-2: 4.6-12 MC, SW-3: 11.5-22 MC. In a finished teakwood case with die-cast frame, gleaming silver grille and escutcheon. Complete with 4 "D" cells and earphone.

RE-1500



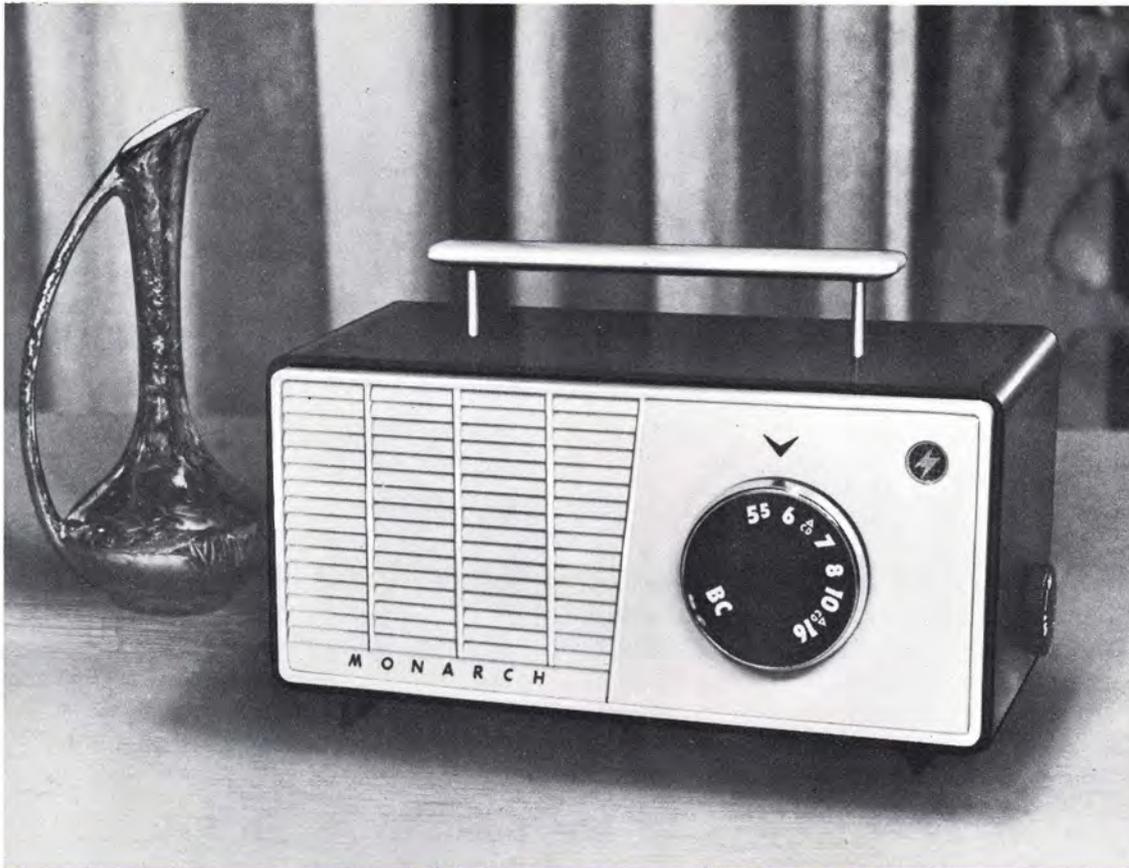
**symphonic am/fm
eleven transistor -
six diode with afc**

Advance designed portable with every luxury feature in demand by the discriminating buyer . . . superhet circuit, automatic frequency control for drift-free listening, variable tone control, and telescoping-rotating antenna for wide range FM reception. Fitted with external jacks for earphone or extension speaker. FM sensitivity: 30 uv/m at 12 m/w; AM sensitivity: 200 uv/m. Sparkling black plastic case with brushed gold grille, measuring 10¼" x 7½" x 3⅛". Complete with earphone, 4 standard "C" cell batteries, and instructions. In colorful display carton.

RE-1700

MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA

MONARCH

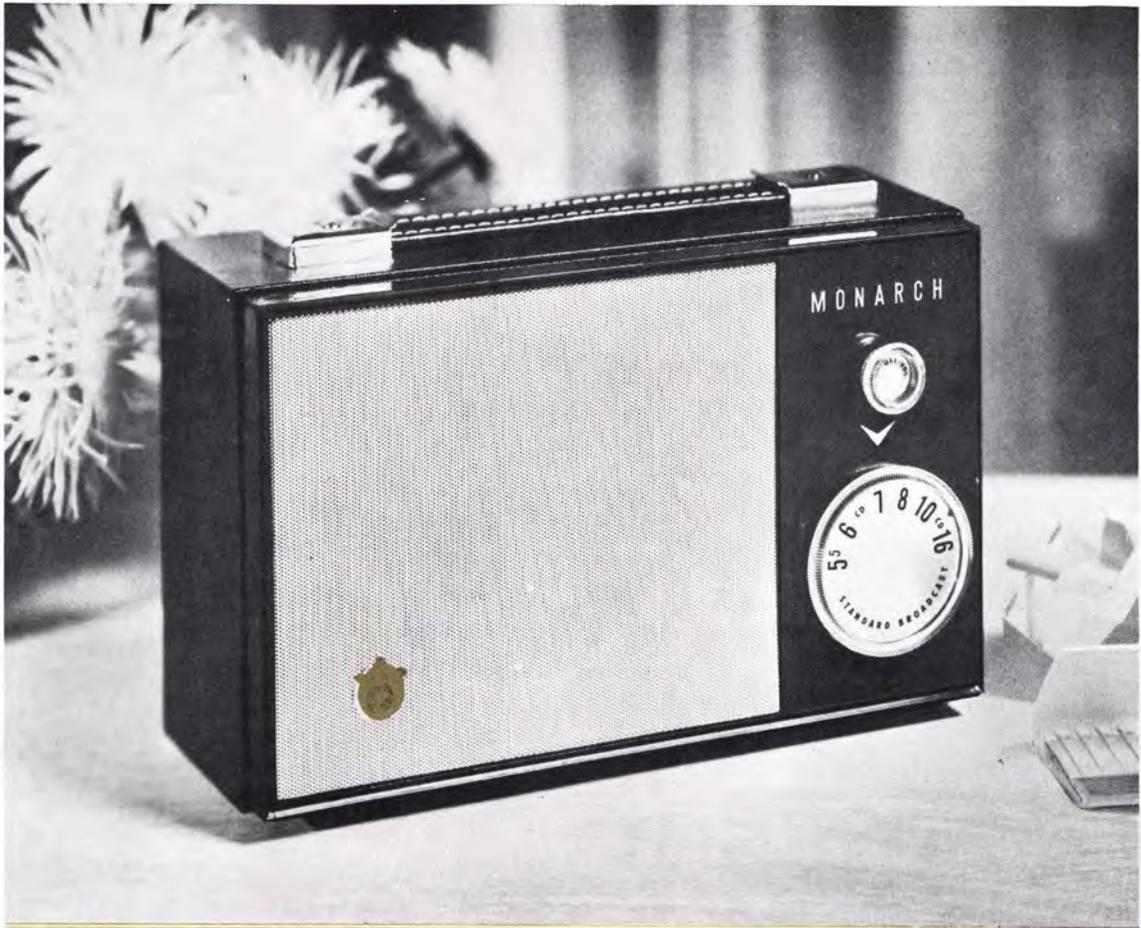


six

transistor home and travel model

A brilliant performer that goes everywhere or stays sedately at home for beautiful sound at your side. With the latest 6-transistor-1 diode circuitry, 2 full IF's, and extra large built-in ferrite antenna. Full range sound is provided with an excellent 3½" PM speaker. In stylized plastic case of the modern "low-boy" design with tusk-ivory face plate, large, easy-to-read tuning dial, and volume control. The carrying handle slides down and lays flush on cabinet when not required. Cabinet measures 8¾" (W), 4¾" (H), 4-3/16" (D). Requires 4 Standard "C" cell batteries (not provided). Available in your choice of gleaming ebony with tusk-ivory escutcheon or charcoal with tusk-ivory.

RE-760



MONARCH

**ten transistor
portable table radio
encased in leather**

THE VERY LATEST IN PORTABLE/TABLE MODEL RADIOS. A circuitry which has been accepted and approved by thousands has now been enclosed in an indoor-outdoor plastic case richly and colorfully complimented with leatherette protective covering. The carrying handle adds a convenient distinctive note. Features: large, built-in antenna, wide range PM speaker, volume control, and latest, most advanced transistors. A fast-moving, pleasantly-priced radio with wide appeal!

RE-1050

MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA



tubular extension speaker with two plugs for transistor units

An exciting innovation in a fine accoustical extension speaker for transistor radios, tape recorders, auto radios, etc. In a rich, textured cylinder with gold accents. Delivers beautiful tonal sound from each end with an added vibratory wave from the specially formed covering. 12 inches in length and 3 3/8 inches in diameter; with 12 foot cord and plugs. **ts-20**

extension speaker for transistor units in six telephone colors

Big, room-filling sound with table radio quality from any transistor radio. The smart plastic cabinet in modern design, contains a high-quality, 4" extended range speaker and is available in six lovely, pastel, telephone matching colors . . . ivory, beige, yellow, pink, aqua, or cobalt. With 3 foot cord, and plugs which fit any standard jack on transistor radios, recorders, etc.

sp-150

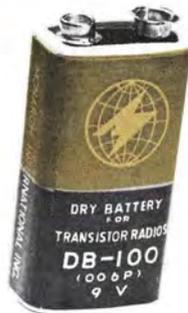


MONARCH

standard 9 volt

Standard, long-life, replacement to fit hundreds of transistor radios in the field. Individually packaged in clear plastic.

db-100



1.5 volt penlight cell

Heavy-duty cells to replace such well known types as: Z, VSO-34, 915, etc.

db-1.5



standard "d" cell

Metal-clad, leak-proof and moisture proof for positive corrosion prevention. In counter display carton.

db-2d



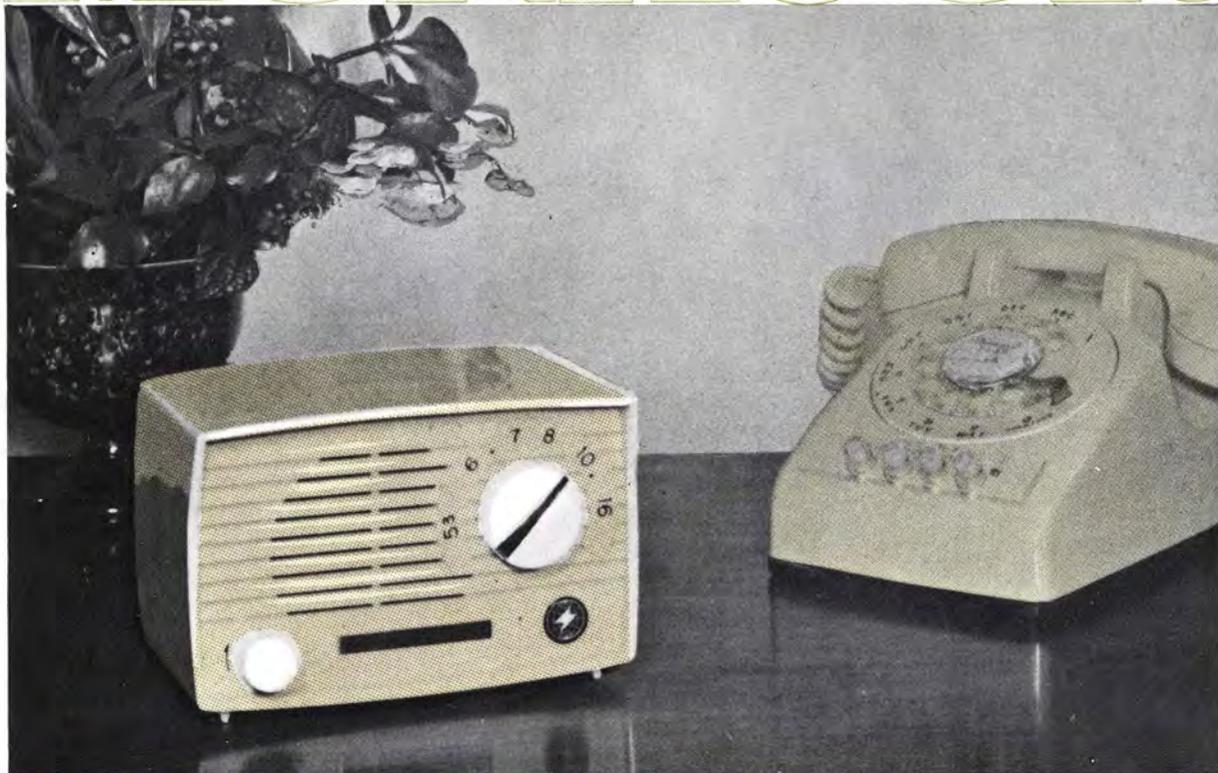
standard "c" cell

Metal-clad, leak-proof and moisture proof for positive corrosion prevention. In counter display carton.

db-1c



MONACOR



five-tube table radio in six lovely telephone colors

A superhet circuit embodying the latest electronic advancements—tubes, circuits, antennas, etc., in a compact, smartly designed plastic cabinet. Engineered and designed to provide years of clean, sensitive reception. The cabinet is delightfully molded in a choice of six lovely, pastel, telephone matching colors...ivory, beige, yellow, aqua, cobalt, and pink. This efficient little unit is a decorator's home delight...enabling them to match any decor in the home and add a touch of lovely pastel color to any room. After looking and listening, and noticing the low-low price, the average home-maker will probably visualize two or three models spotted in different rooms. A real volume sales-maker which has been enthusiastically accepted by many of the nation's largest retailers.

RE-5-1

MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA

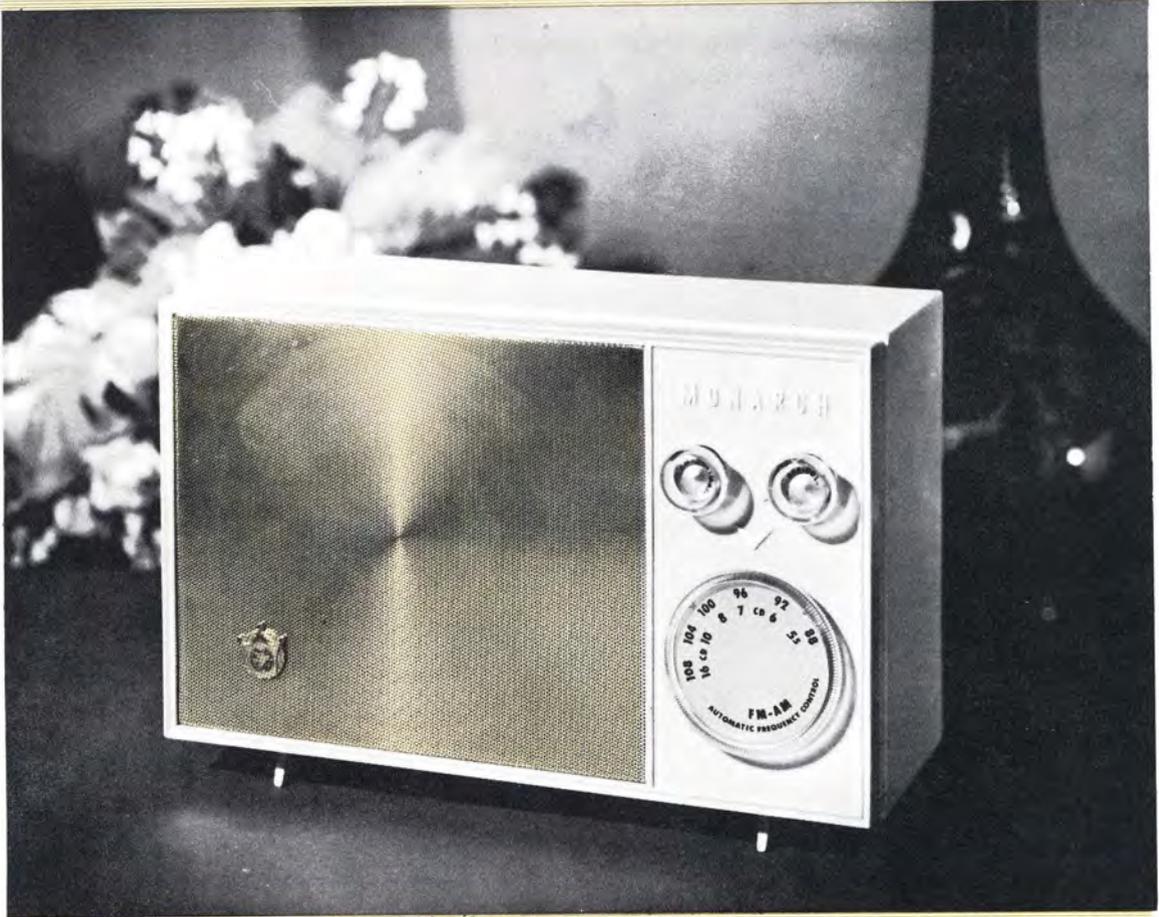


**five-tube ac/dc
table radio with tone control**

A sleek, smart, superhet, five-tube table model with all of the latest features...advanced engineered chassis with two full IF's, most sensitive tubes, large built-in ferrite loopstick antenna, and wide-range PM speaker ...for years of beautiful AM sound. The stylized cabinet in modern design is carefully molded of impact-resistant plastic in smart cobalt and bleached ivory to harmonize with any modern setting. Cabinet measures 9" x 5½" x 3¾". Unit is fitted with UL approved safety lock and 6 foot AC cord with plug. This is a dependable, attractive unit which has proven to be a "shopper-stopper" in many, many of our leading department stores and discount houses. All distributors should check our volume price list and discover the reason why this model is so widely acclaimed.



RE-520



MONARCH

**classic
am/fm table radio
with a. f. c.**

A brilliant new unit by Monarch... combining the finest features of our widely accepted RE-520 and RE-620 models... Features latest tubes, AC/DC circuitry, wide range speaker, AM loopstick and FM wire antennas, UL approved safety lock and 6 foot AC cord.

In a stylish bleached ivory and cobalt cabinet with sparkling gold grille. Designed to beautify any setting and engineered to provide years of fine AM/FM sound.

RE-680

MONARCH ELECTRONICS INTERNATIONAL, INC., NORTH HOLLYWOOD, CALIFORNIA



am/fm multiplex stereo radio in hi-fi cabinetry

A complete stereo radio group with high sensitivity and eye appeal. The cabinetry is finished in oiled walnut with harmonizing grille cloth and bright gold accents. The powerful AM/FM receiver with multiplex circuitry has 14 tubes and 2 diodes with 20 watts peak music power and FM sensitivity of 2 μ V. Features a 4-position selector dial, AFC control, AM loopstick antenna, multiple IF's and vernier slide-rule tuning dial. The completely mobile pair of speakers are matching in design and are easily adjustable to give the most effective sound for either monaural or stereo reception. Response: 25 to 20,000 cps \pm 1 db. Distortion: less than 1% at normal levels. FM Stereo: Beam-switching indicator light for location of stereo programs on the air. Multiple inputs and outputs: Phono, TV, Tape recorder, external speakers, etc., etc.



SMX-50

MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA

MONACOR



**multiplex
stereo radio
in hi-fi
cabinetry
for
prestige
appeal.**

SMART, MODERN, VERSATILE, BEAUTIFUL, EFFICIENT! Designed like the finest hi-fidelity units for appeal to the "status minded" buyer. Cabinets are clean-line; of rich, hand-rubbed oiled walnut with gold accents. Features a sparkling vernier tuning dial, multiplex program indicator light, knurled selector knobs, and rocker switches on a beautifully designed escutcheon. The dual speakers may be placed in any position to attain the most pleasing monaural or stereo sound. The receiver with AM/FM Multiplex circuitry has 14 tubes and 2 diodes for 20 watts of music power with an FM sensitivity of $2 \mu\text{V}$. Response from 25 to 20,000 cps ± 1 db. Distortion less than 1% at normal listening levels. Features: indicator light for locating stereo programs, AM/FM tuning bar indicator light, 2 phono inputs, 2 inputs for tape recorder, TV, etc., 2 external speaker outputs, 2 unit speaker outputs, and 2 tape outputs. Everything anyone could want in a stereo radio! And priced to please!





MONACOR

tiny, trim, 4-transistor tape recorder

The most compact tape recorder in our line with a price to match its size! The colorful two-tone plastic case measures only 7½ inches x 6 inches x 2½ inches and is fitted with contrasting carrying handle. This little gem utilizes a 4-transistor amplifier with a dual track system for excellent sound through a built-in 2¼ inch speaker. Complete with a high impedance microphone, earphone, 100 feet of dual-track tape, two reels, two 1.5 volt and one 9 volt batteries, schematic and instructions.

TR-404

MONARCH ELECTRONICS INTERNATIONAL, INC. NORTH HOLLYWOOD, CALIFORNIA



MONACOR

**compact, chromed,
4-transistor tape recorder
with remote control mike**

A miniature beauty...sparkling in both appearance and performance! The all-chrome face plate is richly accented with a circular gold speaker grille and colorful plastic control knobs. Sturdy two-tone case is fitted with locking lid and carrying handle ...measures only 7½ inches x 6 inches x 2½ inches. Although equipped with such deluxe features as tape reel locks and remote-control mike, it is priced to please! With mike, earphone, 100 feet of dual-track tape, two reels, two 1.5 volt and one 9 volt batteries, schematic and instructions.

TR-408

MONARCH ELECTRONICS INTERNATIONAL, INC., NORTH HOLLYWOOD, CALIFORNIA



MONARCH

the aristocrat of miniature 5-transistor recorders

The miniature tape recorder that has everything . . . 5 transistors, dynamic mike, $\frac{1}{2}$ track head for double recording time, big dynamic speaker, latest design motor, clean-line modern case of ash and ivory plastic with chromed lid-locking handle. Records a wide range of tone values, plays back and erases with 3" dual-track tape. Easy for even a child to operate. Colorfully packaged with tape, reels, microphone, earphone, batteries and instructions.

TC-501



MONACOR

**miniature
push-button
transistor tape recorder
with remote control mike**

A prestige portable in a distinctively designed two-tone plastic case only 9¾ inches x 6½ inches x 2¾ inches. Features remote-control microphone, re-wind interlock to prevent erasure, powerful 4-transistor 1-thermistor circuitry and wide range speaker. A face compartment houses the mike and earphone; making the unit conveniently portable. Complete with mike, earphone, 100 feet of dual-track tape, 2 reels, two 1.5 volt and one 9 volt batteries, schematic and instructions.

TR-555

MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA



**dual speed, full performance
portable
ac tape recorder**

A precision, quality engineered portable tape recorder with every feature, every function and wearing an amazing price tag! Records and plays at $7\frac{1}{2}$ and $3\frac{3}{4}$ IPS up to four hours on a standard seven inch reel. Full frequency response from 40 to 12,000 cps. Extreme versatility is provided with inputs for mike and radio, outputs for external speaker, and independent tone control. A single control knob controls record and re-wind. A "Magic Eye" level indicator prevents over-recording and a safety interlock switch stops accidental erasure. In luggage type case covered with two-tone grey plastic with removable top. $13\frac{1}{2}$ " x 6" x $10\frac{1}{4}$ ". With crystal mike, take-up reel, instructions, and recording tips.

**sensationally
priced!**

RT-200A

MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA

**7 transistor
ac tape recorder
with
fast forward,
dual track,
dual speed,
dynamic mike—**



Powerful 7 transistor circuit with a maximum output of 4 watts and response from 50 to 12,000 cps at $7\frac{1}{2}$ IPS, 50 to 8,000 cps at $3\frac{3}{4}$ IPS. Records 1 hour at $7\frac{1}{2}$ and 2 hours at $3\frac{3}{4}$ IPS, double track. Uses either 3, 5 or 7 inch reels. Wow and flutter ratio: $\pm 0.2\%$ at $7\frac{1}{2}$ IPS and $\pm 0.4\%$ at $3\frac{3}{4}$ IPS. Power consumption: 30 watts. Fitted with a VU meter to show recording level, numerical tape footage counter, input jacks for microphone, radio-TV-phono, and output jack for extension speaker. Supplied with dynamic microphone, patch cord, and take-up reel. Sturdy case with cordovan and grey vinyl.

MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA

RT-300



**dual-speed
ac/dc
transistor
tape recorder
with
remote mike**

Brentwood by **MONARCH**

The finest recorder of its type . . . completely self sufficient . . . works on batteries for complete mobility or on standard 117 VAC through a built-in power transformer. Goes anywhere, operates everywhere and has more usable features than many units costing twice as much! Features a governor controlled motor with capstan drive so tape can be replayed on any standard machine, 5 inch tape reels, index digital counter, remote-control mike with instant pause button, large 3" x 6" speaker, fast-forward and fast rewind, DC erase, recording and battery check meter, tone control switch, monitor jack, two tape heads and solid wood case with simulated leather covering. Records 2 hours at 1 $\frac{7}{8}$ IPS double track. Weighs only 11 lbs. and measures only 12" x 10" x 6".

guaranteed first quality recording tape
acetate, mylar, studio mastering

Professional quality recording tape UNCONDITIONALLY GUARANTEED to meet the most critical performance standards. Manufactured on precision equipment under strict quality control with the benefit of America's most advanced technical processes. Available on standard acetate backing and Dupont Mylar for high tensile strength. Monarch's STUDIO MASTER series is a high output, distortion free coating on a 1½ mil acetate backing specifically developed for professional studio use and available on 7 inch plastic reels and 10½ inch aluminum reels.

1½ mil ACETATE BASE (Low print through and noise free)

No. Z-6A — 600 feet on 5 inch reel

No. Z-12A — 1200 feet on 7 inch reel

1 mil ACETATE BASE (50% greater recording time, pre-tested)

No. Z-18A — 1800 feet on 7 inch reel

1½ mil MYLAR* BASE (High strength, Semi-professional)

Z-12M — 1200 feet on 7 inch reel

1 mil MYLAR* BASE (50% more recording time & durable)

Z-9M — 900 feet on 5 inch reel

Z-18M — 1800 feet on 7 inch reel

½ mil MYLAR* BASE (twice the recording time, tempered)

Z-24MT — 2400 feet on 7 inch reel

MONARCH'S STUDIO MASTER Series

Z-12AM — 1200 feet on 7 inch reel

Z-24AM — 2400 feet on 10½ inch NAB reel

*Registered Du Pont Trademark



"Quality A" **three inch reels top efficiency**
150 ft. acetate no. z-1a
300 ft. .5 mil mylar no. z-3m

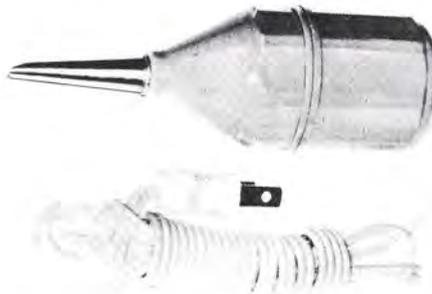
tape eraser



Instantly erases all previous recording and noise from all tape on any reel from 3" to 10½". All metal construction shields unit from other tapes, etc. Also recommended for demagnetizing metal parts and tools. Operates on 110 — 115 volts AC.

ad-500

tape head demagnetizer



Demagnetizes all tape recorder heads. Sturdy one piece construction and five foot cord. Compact — fits comfortably into the palm of your hand. Has needle type probe. Complete with instructions.

ad-100a

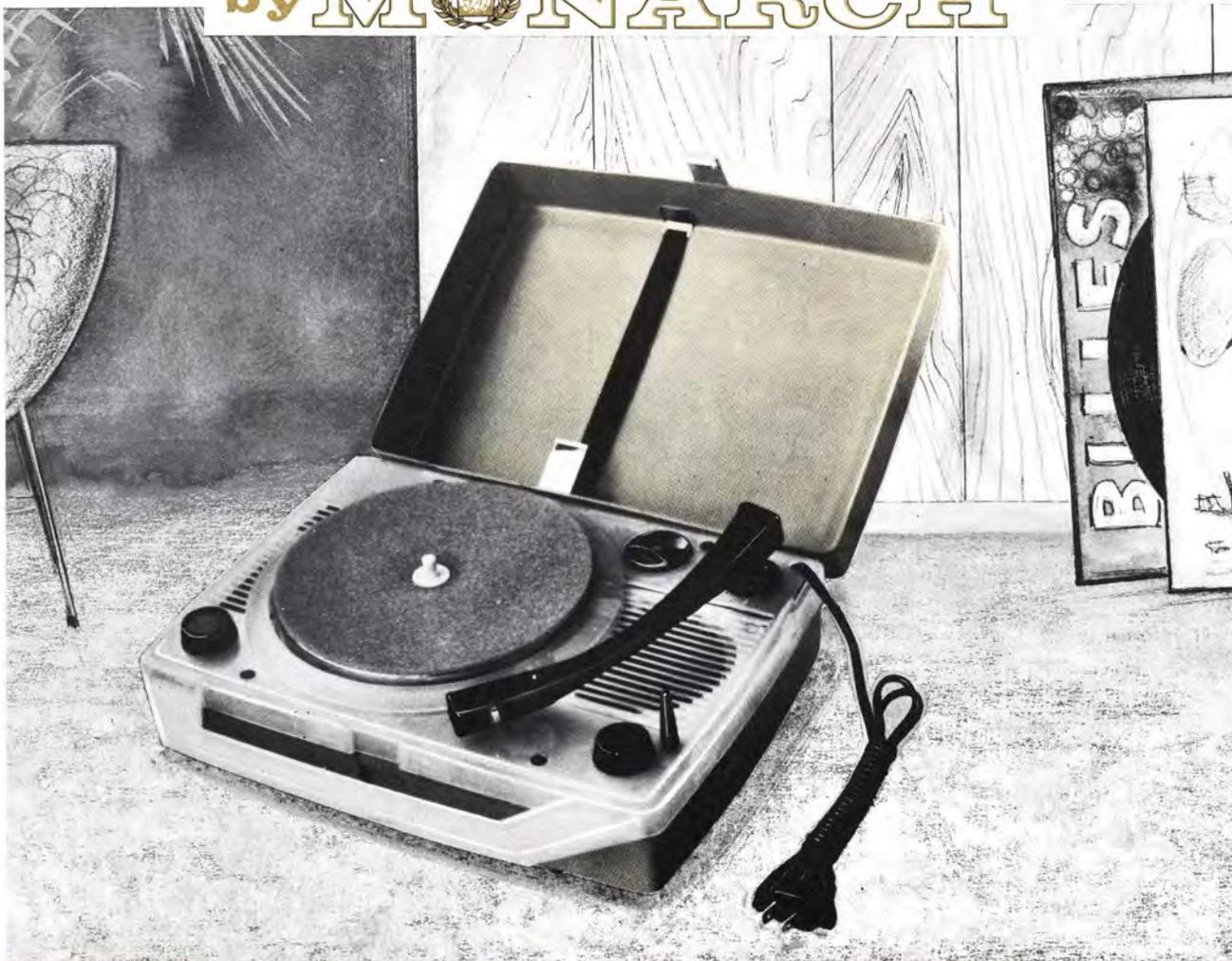
tape reel holder



Black rubber reel holder to fit standard hub. Fluted knob and grooved gripper. Large rubber flange. Set of two.

trh-1

by **MONARCH**



three-speed portable ac record player

From Monarch's quality "Brentwood Line" . . . a really GOOD portable phonograph, and at a price! Features a heavy-duty, constant-speed motor, large PM speaker, flip-over jeweled cartridge with easily replaceable needles for 33-45-78 rpm records, volume control, padded turntable, and record storage space in lid. The extremely durable lightweight plastic case is practically indestructible and smartly styled with alligator textured sides. Measures 12" x 8½" x 4¼". With AC cord and plug. Choice of coral with white, or beige with white.

P-30A

MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA

2-station transistor intercoms

WITH FACE PLATES IN TELEPHONE MATCHING COLORS.

Master and remote for excellent communication between locations in home or office. Master has volume control and unique circuitry which permits the remote to buzz the master even in the off position. Supplied complete with 60 feet of 2-conductor wire, staples, 2 foot cable with rosette, screws, batteries, and instructions. Bodies of



ivory plastic with face plates in choice of pink, aqua, cobalt, yellow, beige or ivory. In counter display box.

IC-100



powerful 12 - station transistor intercom master

Beautifully designed and precision engineered for years of service between up to 12 similar units. Ideal for large business concerns because it is fitted with rubber feet for desk mounting and also drilled for wall mounting. An indexed station guide attaches to the bottom if desired. Transistor powered, fitted with 4 penlight cells and a 2 foot shielded lead cable to a terminal box with mounting holes. Stylish plastic case in two-tone grey with ivory and red accents. Attractively packaged in colorful counter display.



IC-1200

electric desk top pencil sharpener

A most convenient portable pencil sharpener! No wires . . . place it . . . move it . . . use it . . . anywhere! Saves time, steps and money. Merely place the pencil in the top hole and press down for a sharp point in a second. Turns on and off automatically. 4½" in diameter and 4½" high. Black plastic base with "fountainhead" of amber or green transparent plastic. Requires only 3 ordinary "C" cell batteries (not included) . . . with five extra steel blades.

PS-1





5-transistor transceiver pair

A fine, highly-sensitive Citizen's Band Walkie-Talkie for use wherever two-way communication is desired...business, construction, sports, home, etc. No license is required to operate; anyone can use! Rugged all-metal case with 5 transistors and foolproof crystal controlled transmitter. Front end is tunable to the exact frequency desired. Output: 5 mW R.F., 150 mW audio. With telescoping antenna, push-to-talk switch, volume control and carrying case. Priced for mass sales and big profit!

TC-55

a quality 10 transistor walkie-talkie

by

Toshiba

From one of the world's finest electronic manufacturers... a high-sensitivity, highly dependable hand size unit for immediate communication between pairs. For farms, sports, construction, business, warehouses, etc., etc. No operating license is required. Frequency Range: 26.965 to 27.225 MC. Tolerance: within 0.005%. Rec. Terminal Sensitivity: 1 μ V for 10 db S/N or better. Band Width: 6 KC less than 6 db. Audio Output: 150 MW or better. Batteries: 6 penlight cells. (not included) Battery Life: approx. 20 hours. Transistors: 10 selected. Size: 5 $\frac{1}{2}$ " x 3" x 1 $\frac{3}{8}$ ".

SUPPLIED NORMALLY WITH CHANNEL 15 CRYSTALS. OTHER CHANNEL CRYSTALS WILL BE SUBSTITUTED UPON REQUEST WITH ORDER.

SOLD ONLY IN PAIRS



MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA

transistor wireless microphone

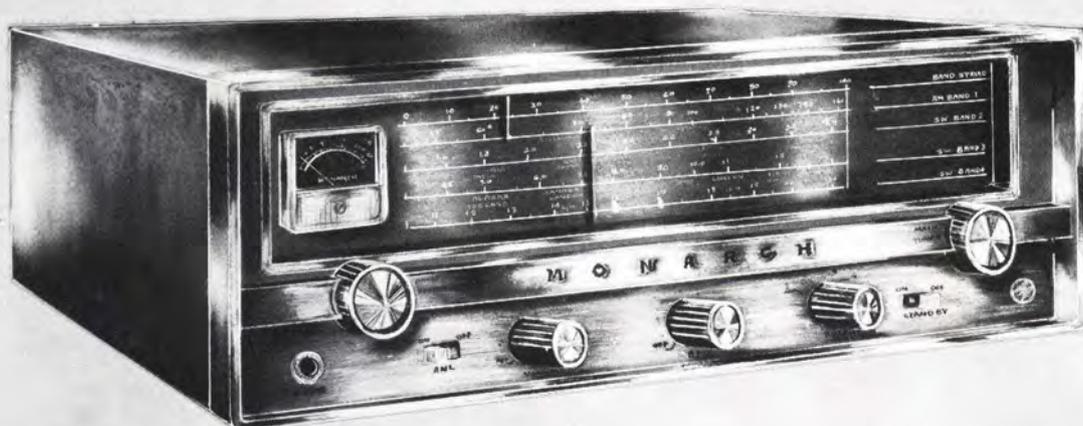
BROADCASTS THROUGH ANY RADIO WITHOUT WIRE CONNECTIONS!

A powerful, transistor transmitter than turns every radio, even transistor portables, into intercom sets. Broadcasts on the standard AM band through any radio within 100 feet. Contains its own sensitive crystal microphone and a two-transistor oscillator circuit powered by a standard transistor radio battery. Has forty inch telescoping antenna and push-button on-off switch. Attractive grey plastic pocket size case: 4" x 2 $\frac{1}{2}$ " x 1 $\frac{1}{4}$ ". A convenient communicator between rooms in the home, garage to kitchen, etc. to save steps; and a source of pleasure for the youngsters.

STX-1



4-BAND SHORT WAVE RECEIVER



535 KC TO 30 MC – POWER-PACKED SUPERHET
CIRCUIT – SLIDE RULE TUNING DIAL
WITH BAND SPREAD AND “S” METER

A brilliant new Communications receiver with all of the latest, most-wanted features to assure its immediate acceptance and priced to attract the budget-minded operator. Features an easy-to-read “S” meter on the precision slide rule tuning dial, a calibrated Band Spread, AVC Noise limiter, BFO, Standby switch with terminal for transmitter, powerful built-in antenna for long range re-

ception, Phone Jack, and a big PM speaker. All contained in a decorator designed cabinet of durable metal in an eye-pleasing combination of colors. The smart front panel is of brushed aluminum with chromed ornamental strips. 13¾” wide, 5¼” high, 8¾” deep. A beautiful, efficient unit certain to gain immediate popularity!

SPECIFICATIONS

FREQUENCY RANGE:

Band 1:	535 KC — 1,605 Kc
Band 2:	1.6 Mc — 4.8 Mc
Band 3:	4.8 Mc — 14.5 Mc
Band 4:	11 Mc — 30 Mc

BAND SPREAD:

0-100 Calibrated.

OUTPUT POWER:

1.5 Watts maximum.

SPEAKER:

4 inch, permanent dynamic.

FEATURES:

Built-in “S” Meter, AVC Noise limiter, BFO, Phone Jack, Band Spread for accurate tuning, slide rule dial, Stand-by Switch, High Sensitivity built-in antenna.

HAM-1

MONARCH ELECTRONICS INTERNATIONAL, INCORPORATED, NORTH HOLLYWOOD, CALIFORNIA



LATEST 44 WATT AM/FM MULTIPLEX STEREO RECEIVER

A magnificent, powerful performer with every up-to-the-minute feature and every function in demand by the discriminating! Delivers 22 watts per channel of stereo music power with broad-band, high-sensitivity reception from an 18 tube 9 diode circuitry with AFC. Features a bright, slide-rule tuning dial with stereo indicator light, multiple controls, inputs, outputs, and a front panel jack for stereo headphones. In a beautifully finished black metal cabinet with a rich, brushed-gold extruded face plate.

SPECIFICATIONS:

Tubes and Diodes:
18 tubes, 9 diodes

Tuner Section:
Circuit; Super heterodyne FM/AM-MW 2-band FM section; RF amplifier 1 stage, IF amplifier 3 stage (limiter 1 stage), wide band ratio detector

Frequency Range:
FM; 88-108 MC
AM; 535-1,605 KC

Sensitivity:
FM; 2 μ V/100 MC (S/N 20 db Quieting)
AM; 10 μ V/1 MC (S/N 20 db Quieting)

Frequency Response:
FM; 20-32,000 cps \pm 0.5 db

FM MPX Section:
Frequency response; 50-15,000 cps \pm 0.5 db
Stereo separation; 35 db/1,000 cps
Harmonic distortion; less than 1%/1,000 cps

Audio Amplifier Section:
Circuit; 6GW8 push pull

Gain:
Mag phono...3 mV
X'tal phono...35 mV
MIC...4 mV
Extra...250 mV

Tone Control:
+12 db...-12 db...50 cps
+10 db...-12 db...10,000 cps

Rumble Filter:
-8 db...50 cps 14 db...20 cps

Scratch Filter:
8 db...10,000 cps

Loudness Control:
+10 db...50 cps +4 db...10,000 cps
(Volume control at -30 db)

Output Power:
Music power; 22 watts per channel, 44 watts total

Frequency Response:
20...50,000 cps \pm 1 db

Residual Noise:
Mag phono...30 mV
Extra...5 mV
(Volume maximum, tone flat)

Input Terminals:
Mag phono, X'tal phono, MIC, Extra

Output Terminals:
4, 8, 16 ohms for speakers
tape-output for recording
headphone jack for stereo headphones

Dimensions:
16 $\frac{1}{4}$ "W 5 $\frac{1}{2}$ "H 13"D

STA-400X



30 WATT
AM/FM MULTIPLEX
STEREO RECEIVER
WITH
ELEGANT ESCUTCHEON



A complete sound center with the very latest AM and FM multiplex circuits for the enjoyment of brilliant monaural and stereo sound. Contains 17 tubes, 7 diodes, and built-in antennas for both AM and FM. Provides 15 watts per channel of stereo music power and features special stereo indicator light, fine tuning bar, and a convenient front panel stereo headphone jack. Fitted with RIAA compensated phono inputs for magnetic, crystal or ceramic cartridges plus an input for tape recorder or other source. The specially designed face plate permits installation in wall or cabinetry without removal of cover. In charcoal metal cabinet with elegant, brushed-gold escutcheon.

SPECIFICATIONS:

Tubes:

17 tubes, 5 diodes, 2 power diodes

Tuner Section:

Circuit....Super heterodyne, AM/FM 2 bands

FM Section.... Foster - Seeley Detector

I. F. amplification....3 stages

H. F. amplification....1 stage

Multiplex section....matrix system

A.F.C....diode A.F.C.

Tuning....beam light

Frequency Range:

FM 88-108 MC

AM 535-1,610 KC

Sensitivity:

FM 1.5 μ V for 20 db of Quieting

AM 25 μ V for 20 db of Quieting

Image Ratio:

FM 35 db/98 MC

AM 40 db/1 MC

Gain:

Mag....4 mV

Xtal....50 mV

Aux....300 mV

Tape....300 mV

Output Power:

15 watts per channel

30 watts both channels

Frequency Response:

20-20,000 cps \pm 2 db for 1 watt

at normal listening levels

Tone Control:

CR type Bass +10 db \sim -10 db at 100 cps

Treble +10 \sim -10 db at 10,000 cps

Terminal:

Tape in, Tape out, phono MAG PU,

Xtal PU, Auxiliary Head phone

Multiplex Section:

Channel separation...30 db

Stereo Indicator...Neon Pilot

Power Supply Voltage:

117 volts, 60 cps, 100 watts

Dimensions:

17 $\frac{1}{4}$ (w) \times 10 $\frac{1}{4}$ (D) \times 5(H) inches

STA-300X

COMPLETE, FULL-FUNCTION AM/FM MULTIPLEX RECEIVER



**AT
AN AMAZING
PRICE!**



The most popular stereo unit we have ever produced! In great demand by the average budget-minded buyer who wants the most for his money! Embodies all the features wanted by the general public . . . enough power (10 watts of music power per channel) with broad-band stereo reception; drift-free and static free, plus multiple inputs and outputs. Features a special stereo program indicator light, fly-wheel tuning, AFC control, balance control, tape output jack, rocker-switches, and bright, easy-to-read tuning dial. In metal cabinet with beautiful, brushed-gold face plate.

SPECIFICATIONS:

FM TUNER:

- Input Impedance . . . 300 Ohms
- Frequency Range . . . 88-108 MC
- Sensitivity 2.5 mV
- Selectivity -240 KC at 6db down.
- Aux. Circuit AFC circuit and Multiplex circuit for FM
- Multiplex Section . . . Channel separation 30 db.

AM TUNER:

- Frequency Range . . . 535-1605 kc.
- Sensitivity 15 mV maximum
- Selectivity -5 KC at 3 db down.
- Auxiliary Circuit . . . Ferrite bar antenna.

AMPLIFIER:

- Power Output 10 watts per channel, 20 watts monaural of Music Power (peak power 32 watts).
- Tone Control +10db to -12db Max. at 10 KC (high cut or boost).
- Extra and Phono Sensitivity 100 mV (input for full output)
- Frequency Response 30-20,000 cps - 1db.
- Output 4, 8, 16 Ohms for speakers.
- Distortion less than 1/2% at normal listening volume.

TUBES: 13 with 5 germanium diodes.

Tubes:

STA-100X

BUDGET-PRICED FM TUNER WITH AFC

An economical FM tuner with high sensitivity, automatic frequency control, attractive solid brass front panel with slide-rule dial. The FM-100 is designed to become an integral part of the thousands of inexpensive music systems in homes, offices and stores. Compact, drift-free and distortionless, it provides hour after hour of background music without attention.



SPECIFICATIONS:

TUBES 6AQ8 (2), 6BA6 (3), 6AL5 (1)
6X4 (1)
RECEIVING RANGE . . . 88 to 108 mc
INTERMEDIATE
FREQUENCY 10.7 mc
INTERMEDIATE
FREQUENCY RANGE . . ±100 kc
SENSITIVITY 2.5 micro V, 20 db S/N
OUTPUT VOLTAGE . . . 0.5 volt (input 500 micro V,
30% modulation)

DISTORTION Less than 1% (input 500 micro V
100% modulation)
AFC With AFC on-off switch
DIMENSIONS Depth: 5 $\frac{3}{8}$ " Height: 3 $\frac{3}{4}$ "
Width: 11 $\frac{3}{8}$ "

FM-100

FM MULTIPLEX TUNER WITH AFC CIRCUITRY

NOTHING ON THE
MARKET TODAY
COMPARABLE IN
QUALITY AT THIS
PRICE!



Our ever-popular budget-priced, FM tuner fitted with multiplex. The usual low-low price to assure sales, and the same high Monarch quality for customer satisfaction.

Featuring slide-rule tuning dial, AFC circuitry for drift-free reception, noise filter, latest tubes, and most advanced Multiplex Circuit. Enclosed in a modern-design metal cabinet with gold escutcheon and front-panel controls for on-off-volume, tuning, adapter in-out, and AFC.

Designed to deliver rich, trouble-free sound, hour after hour in background music systems in office, store or home.

SPECIFICATIONS:

Receiving Range: 88-108 Megacycles
Intermediate frequency: 10.7 Mc.
Selectivity: 3db down 120 Kc.
Sensitivity: 2.4 uV I.H.F.M.
Output Voltages:
Monaural: 0.8 Volt (input 100 uV
100% modulation)
Stereo: 0.3 volt (input 100 uV 100%
modulation of composite signal)
Distortion: less than 1% at 500 uV input,
100% modulation.
Stereo Separation: 30db at 1,000 cps.
Tubes: 6AQ8 (2), 6BA6 (3), 6AN8 (1), 6C4 (1),
6X4 (1), plus 4 diodes.
Dimensions: 5 $\frac{5}{8}$ " (D), 4 $\frac{5}{8}$ " (H), 12" (W).

FM-100X

SENSITIVE AM/FM MULTIPLEX STEREO TUNER



A beautiful, compact tuner with all the latest features . . . stereo indicator light, noise filter, tuning eye, AFC switch, and volume control. The up-to-the-minute circuitry includes a wide-band ratio-detector for FM, anode follower in output circuit of the pilot signal amplifier type and switching circuit plus two-stage filter and reject on SCA frequency. In metal cabinet with smart, brushed-gold face plate.

SPECIFICATIONS

Tubes and Diodes:
14 tubes, 9 diodes
Frequency Range:
FM: 88 to 108 MC
AM: 535 to 1605 KC
Sensitivity:
FM: 2.4 μ V (1 HFM method)
AM: 2.0 μ V (1 HFM method)
Frequency Response:
FM: 20 to 20,000 cps \pm 0.5 db

Output:
8.0 V RMS (100% modulation)
FM MPX Section:
Frequency Response: 50 to 15,000 cps \pm 0.5 db
Stereo Separation: at least 35 db/1,000 cps
Harmonic distortion: less than 1%/1,000 cps

ST-60X

POWERFUL 60 WATT STEREO AMPLIFIER



All of the latest engineering features combined in one compact unit to deliver clean amplification of fine sound. Delivers 30 watts of music power per channel for a 60 watt total. Response from 20 to 50,000 cps \pm 0.5 db.; with a 9 tube-2 diode, push-pull, fixed bias circuitry. Contained in a smart metal cabinet with brushed-gold face plate. 15 $\frac{3}{4}$ " wide, 5" high, 12 $\frac{1}{2}$ " deep.

SA-60

12 W MONAURAL AM/FM RECEIVER



An ever-popular monaural receiver; kept up-to-date with latest tubes plus AFC circuitry. Delivers 12 watts of music power from a 10 tube-3 diode circuitry for a response from 20 to 20,000 cps \pm 0.5 db; on both full AM and FM bands. Distortion less than 1%. Features all convenient controls, indicators, filters, etc., now in demand . . . independent bass and treble controls, scratch filter, loudness control, tone control, equalizer, tuning meter, logging scale, plus a full microphone stage. In a stylish metal cabinet with brushed gold face plate and easy-to-read slide-rule tuning dial.

MAT-120

OUR NEW
BARGAIN
PRICED
MULTIPLEX
ADAPTER



To meet the demand for a BETTER, MORE MODERN, multiplex adaptor, our engineers have combined the most-wanted features and produced the "best-yet" unit. With latest circuits, dimension control, hash filter, pilot light, stereo program indicator light, and balance-level control knobs. The new circuitry embodies the very latest methods in signal splitting for finest reception. With self-contained power supply, input and output jacks; in a compact, fully vented metal case with smartly designed front panel, and logically placed controls. Simple and easy to install . . . ready for immediate use.

MPX-2

FULL-FACILITY 30 WATT STEREO AMPLIFIER



SPECIFICATIONS:

Output: 30 watts; 15 watts per channel
 Response: ± 0.5 db, 30 to 25,000 cps.
 Harmonic Distortion: less than 1%.
 Sensitivity: (at rated output)
 Tape 3.5 mV
 Phono, Magnetic 4.5 mV
 Phono, Ceramic 0.15 V
 Tuner, Auxiliary 0.5 V
 Hum/Noise: more than 60db below rated output.
 Crosstalk at 1,000 cps: more than -46db.
 Controls: Selector: Tape, Phono, Radio, Aux.
 Bass: ± 11 db at 50 cps.
 Treble: ± 12 db at 10,000 cps.
 Volume
 Balance

Function Stereo: Normal, Invert
 Monaural: Chan 1, Chan 2.
 Rumble Filter
 Loudness Control
 Power Switch
 Speaker Phasing for Channel 2.
 Hum Adjusters for each Channel.
 Input impedance: Tape 50,000 Ohms
 Phono, Mag 50,000 Ohms
 Phono, Ceram 2 Meg Ohms
 Tuner, Aux 500,000 Ohms
 Output Impedance: (each channel)
 Speakers: 4, 8, 16 Ohms
 Tape Out: High Impedance.
 AC Outlets: 2 for 300 watt total load.

SA-30

14 WATT STEREO AMPLIFIER

A compact, integrated amplifier for stereo or monaural reception and versatile enough to use with record player, tape recorder or tuner. Measures only $9\frac{1}{4} \times 7 \times 4\frac{1}{2}$ inches. In metal midnight blue-charcoal cabinet with pearl-silver escutcheon and royal purple accents. A beautiful, efficient unit to grace any home.

SPECIFICATIONS:

Output Power: 14 watts (7 per channel) peak 20 watts.
 Frequency Response: ± 1 db, 40 to 15,000 cps.
 Harmonic Distortion: less than 1%.
 Hum and Noise: 50db below rated output.
 Input for full output: Phono 300 mV
 Tuner 300 mV
 Auxiliary 300 mV



Output Impedance: 4, 8, 16 Ohms each channel.
 Selector Switch: Phono, Tuner, Auxiliary
 Mode Switch: Stereo, Monaural, Normal, Invert.
 Tone Control: More than -11db at 10,000 cps.
 Power Supply: 117 V, 50/60 cps, 85 watts.

SA-614

COMPACT 5 WATT STEREO AMPLIFIER

A true stereo amplifier with 10 watts peak music power—4 tubes and 5 controls. For use with any high impedance input such as phonograph, tuner, tape recorder, television sets, etc. Features:

1. Front plate for Console Mounting.
2. Tone Control.
3. Individual volume control for each channel.
4. Pilot light.
5. Stereo-Monaural switch.
6. Top-quality construction.
7. Functional beauty.
8. Low-low price.

SA-10


MARK IV AUTOMATIC STEREO RECORD CHANGER



MONARCH

A smart, newly designed Mono-Stereo changer with the most foolproof mechanism yet devised. Plays all size records at all four speeds and shuts off automatically after last record. Will repeat any record over and over and can be operated either automatically or manually. Equipped with heavy-duty motor and double-hinged metal arm fitted with flip-over jeweled cartridge. The arm is clutch-mounted and can be lifted completely up for easy replacement of stylus. The record con-

trol arm assures feather-soft record handling and full size weighted platter has washable mat to protect records. Engineered to standards of many top-name brands and priced to place you in an enviable sales position. Finished in distinctive midnight blue with silver-pearl accents.

ARC-1

WALNUT MOUNTING

BASENO. WB-1

MOUNTING BOARDNO. WB-2

45 RPM SPINDLENO. MM-190

LABORATORY SERIES STEREO CARTRIDGE

WITH TWO DIAMOND STYLI



Produced under rigid inspection and passed through strict quality control to provide what we feel to be the equal in quality of any stereo cartridge on the market today!

The MD-3 comes with two styli: 0.5 mil and 0.7 mil to provide the utmost fidelity from records of different types. They are easily interchangeable and the cartridge itself is based on EIA standards and fits most of the world's leading tone arms.

MD-3

cartridge only

with 0.7 mil diamond

36 pcs in bulk No. MD-3B

EXTRA NEEDLES: 0.5 mil diamond No. MD-5

0.7 mil diamond No. MD-7

MONARCH'S FINEST!

"CONTROLLED RESONANCE" SPEAKER SYSTEMS

Containing a heavy die-cast woofer with a massive magnet and long-throw voice coil for undistorted bass tones, a die-cast tweeter with special aluminum cone for wide dispersion and capable of handling frequencies from 1,000 to 22,000 cps, a true dividing network of 12 db per octave, and a high level frequency control. Systems are acoustically balanced and suspended in beautifully finished, oiled walnut cabinets in choice of bookshelf or

thin-line designs. Cabinets are air-tight and packed with glass wool for complete freedom from resonance. They are low-efficiency units and require 15 or more clean watts to drive.



SP-CR4

VERTICAL FLOOR CONSOLE OR HORIZONTAL BOOKSHELF SYSTEM

SPECIFICATIONS:

Mounted Speakers: 10 inch outer edge suspension, long travel voice coil woofer; 3 inch metal cone high efficiency tweeter with 2-way network with crossover at 2,800 cps, 12db.

Power handling capacity: up to 30 watts.

Voice coil impedance: 8 Ohms.

Frequency response: 30 to 20,000 cps.

Enclosure: 13" wide x 22 $\frac{3}{8}$ " high x 11 $\frac{5}{8}$ " deep.

Walnut, oil finished and hand-rubbed 3 times.

MONARCH MONARCH MONARCH

THIN-LINE FLOOR CONSOLE OR WALL SPEAKER SYSTEM

SPECIFICATIONS:

Mounted Speakers: 10 inch outer edge suspension, long travel voice coil woofer; 3 inch metal cone high efficiency tweeter with 2-way network with crossover at 2,800 cps, 12db.

Power handling capacity: up to 30 watts.

Voice coil impedance: 8 Ohms.

Frequency response: 40 to 20,000 cps.

Enclosure: 17 $\frac{3}{4}$ " wide x 23 $\frac{5}{8}$ " high x 6 $\frac{3}{4}$ " deep.

Walnut, oil finished and hand-rubbed 3 times.

SP-CR3



MONARCH MONARCH MONARCH

BARGAIN PRICED THIN-LINE SYSTEM

SPECIFICATIONS:

Mounted Speakers: 12 inch woofer, 3 inch metal cone tweeter. 2-way network with crossover at 2,000 cps 6 db. oct.

Power handling capacity: up to 20 watts.

Voice coil impedance: 8 Ohms.

Frequency response: 40 to 20,000 cps.

Enclosure: 17 $\frac{3}{4}$ " wide x 23 $\frac{5}{8}$ " high x 6 $\frac{1}{2}$ " deep.

Walnut, oil finished and hand-rubbed 3 times.

SP-CR2



THREE-WAY SPEAKER SYSTEM IN WALNUT BOOKSHELF ENCLOSURE

Our engineers tried their best and produced a fine prototype... it was tested and re-tested. From each testing they learned. Model after improved model went through this empirical change, until a final perfect unit was produced. This unit has been carefully duplicated and brings the finest possible sound from an 8" Flex-i-foam speaker with foam plastic suspension and a high-efficiency tweeter connected by a 2-way electrical crossover. Beautiful, full-bodied response from 30 to 18,000 cps. The cabinet is of ¾" hardwood, finished on all four sides and plastic tube ducted. Designed to fit standard bookshelves...



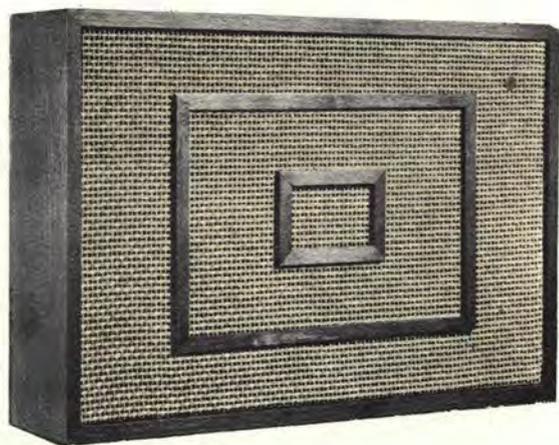
10 7/8" high, 11 5/8" deep, and 23 1/2" long. Peak power input is 20 watts and vc impedance is 16 Ohms. Fitted with a tweeter control knob.

SP-80C

SLIM-LINE STEREO SPEAKER PAIR - FREE STANDING OR WALL

A flexible new creation by Monarch. The modern slim-line cabinet can be used either horizontally or vertically, placed on table, shelf or hung on the wall as an efficient and attractive decorator piece. Oiled walnut cabinet measures 18" wide, 12" high and only 3 1/2" deep, is accented with a rich gold grille, and contains a specially designed twin-cone speaker with a frequency range from 60 to 13,000 cps. Imped. 8 Ohms. An amazingly fine performer at an amazingly low price!

SP-117P



THE FAMOUS MONARCH "STEREO TWINS"

STYLISH LOW-PRICED BOOKSHELF STEREO SPEAKERS

A matched pair of smartly styled shelf enclosures fitted with a 6 1/2" flex-i-foam speaker to deliver clean highs and undistorted lows over a frequency range of 45 to 16,000 cps. Power input from 7 to 10 watts. Impedance: 8 ohms. Lowest resonant frequency: 65 cps. Enclosures measure 12" wide, 7" deep and 10" high and are constructed of ¾" hardwood and finished in Swedish walnut or satin mahogany with rich contrasting grille cloth on three sides.



PAIR SP-114P

OUR INCREASINGLY POPULAR "STEREO-FOAM" HEADPHONES



More and more true music lovers are coming to appreciate the luxury of listening to their favorite melodies in complete privacy . . . without disturbing outside noises, and without fear of disturbing family or neighbors. These popular Monarch headphones provide this pleasure with the maximum of comfort . . . soft, foamy earpads; lightweight and completely adjustable headband for custom fit; and only one connecting cord! The cord is a convenient 6 feet in length and terminates in a standard phono plug which may be plugged into source or into a convenient 3-way junction box; listed below.

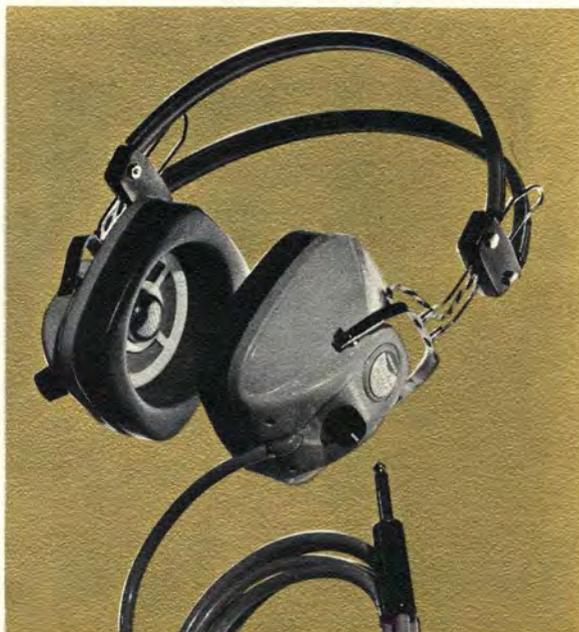
ES-300

NEW MONARCH "IMPERIAL" CO-AXIAL STEREO HEADPHONES

A NEW IDEA FOR NEW SOUND

The ultimate in luxurious listening. Provides complete privacy with the added privilege of controlling frequency sound by adjusting each earphone to the individual ear's receptiveness. The built-in, high-frequency tweeters with volume controls add a luxury feature much appreciated by the true audiophile. Headbands are easily adjustable — both for headsize and ear comfort, and the ear-pads are formed of soft, foamy plastic for utmost comfort. Complete channel separation . . . with a response from 35 to 25,000 cps may be enjoyed hour after comfortable hour with this lightweight, comfortable unit. Fitted with only one cord; ending in a standard phono plug which may be plugged into the source or into a convenient 3-way junction box for greater versatility.

ES-500



THREE-WAY JUNCTION BOX



For ES-300 or ES-500 above, or other standard earphones on the market today. Permits listening to earphones alone, speakers alone, or both at the same time. With switch, standard phono jack, and long 3-strand hook-up wire.

JB-300

25 FT. STEREO EAR PHONE CORD



For use with ES-300 or ES-500 above, or other standard equipment. Flexible 3-conductor cable with 3-circuit plug and jack.

CCX-25

SHALLOW DEPTH, WIDE RANGE SPEAKERS

DESIGNED FOR INSIDE-WALL OR STANDARD ENCLOSURE MOUNTING

Beautifully made speakers with heavy, die-cast frames for low resonance and large magnets of high flux density, to faithfully reproduce the full range of sound from rich low bass tones to clear, brilliant highs. Designed for use in standard enclosures, or, if desired, may be mounted inside the walls of home or office without loss of bass tones. Improved die-casting methods permit us to offer these fine reproducers at a fraction of the price asked for comparable units.



**EIGHT
INCH**

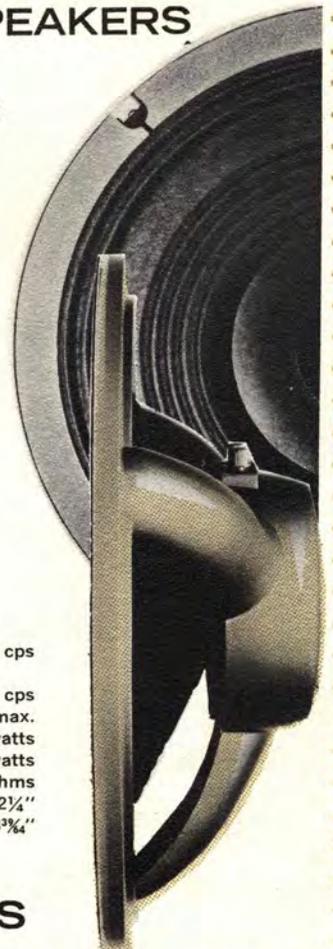
Frequency Response45-13,000 cps
Resonant Frequency65±10 cps
Total Flux85,000 max.
Power Capacity15 watts
Power Capacity (peak) .25 watts
V.C. Impedance16 ohms
Diameter8"
Depth3½"

SP-8S

**TWELVE
INCH**

Frequency Response30-13,000 cps
Resonant Frequency45±10 cps
Total Flux85,000 max.
Power Capacity20 watts
Power Capacity (peak) .40 watts
V.C. Impedance16 ohms
Diameter12¼"
Depth3¾"

SP-12S



**TWELVE -
INCH
THREE-
WAY
HI-FI
COAXIAL**

"Top drawer quality at a bottom drawer price" to fit everyone's needs. Woofer is of a special drip-dry composition for maximum low, free air performance. A high-sensitivity, off-center tweeter unit is mounted to unobstruct low bass tones, and a crossover network is built-in to smoothly change tone values at mid-range.

Power Capacity20 watts
Frequency Response35-18,000 cps
Magnet Structure6½ lbs.
Impedance16 ohms

SP-123

**FLEX-I-FOAM
EIGHT-
INCH
TRI-PLEX**



A compact, 3-way speaker with flexible foam suspension, die-cast frame, hand-wound voice coil, and a built-in crossover and tweeter for remarkably clear response at any frequency.

Maximum Input20 watts
Rating Input11 watts
Frequency Range35-18,000 cps
Resonant Frequency45 cps
Impedance16 ohms

SP-803A



MONARCH CATALOG 64

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EXTENSION SPEAKERS

8" EXTENDED RANGE WITH VOLUME CONTROL



A powerful, wide-range 8 inch speaker housed in an attractive, slope front walnut baffle for all extension uses - intercommunication, public address, background music, etc, etc. The sturdy speaker has a heavy magnet structure and delivers smooth sound from 75 to 9,500 cps. Handles up to 2 watts of power. Baffle has enclosed back and flat bottom; use for either desk or wall. 8 Ohms impd.

NO. SP-20



FOR TRANSISTOR RADIOS

CABINET IN 6 TELEPHONE COLORS



NO. SP-150

Big, room-filling sound with table radio quality from any transistor radio - now possible with this convenient unit! Smart plastic cabinet contains a high-quality, extended range 4" speaker; available in six lovely pastel telephone matching colors: ivory, beige, yellow, pink, aqua, and cobalt. Complete with 3 feet of wire and attached plugs to fit any standard radio jack.

DISTINCTIVE TUBULAR MODEL



Multi-purpose tubular speaker for use with transistor radios, auto radio, or extension speaker for other units. Pliable housing with sound emanating from both ends, provides beautiful tonal qualities with almost a stereo effect. 12" in length and 3 3/8" in diameter. In rich colors. Complete with 12 foot cord and plugs.

NO. TS-20

4" PM IN WOOD BAFFLE

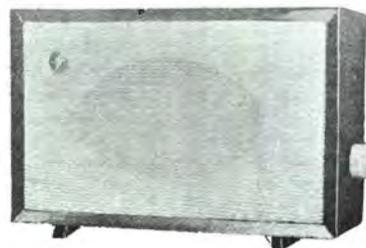


* VERSATILE * MODERATELY PRICED *

Small, compact unit for intercom and other extension uses. Beautifully finished walnut wood cabinet has enclosed back and flat base for desk use or wall mounting. Voice coil impedance: 8 ohms.

NO. SP-19

DELUXE 4" X 6" PM



Top quality 4" x 6" PM speaker housed in a richly finished cabinet with beveled edges and a smart grille cloth covering. Cabinet measures 9 1/2" x 6 1/2" x 3 1/2". A convenient volume control knob is located on the side. Fine sound and value.

NO. SP-146

MODERN 4" PM



Fine 4" speaker completely enclosed in a modern cabinet measuring 7 3/4" x 5 1/2" x 4". Cabinet is nicely finished in rich, dark walnut shades with beveled edges and front covering of gold threaded grille cloth. With volume control knob on front.

NO. SP-106

PARTS



BUDGET PRICED 6" X 9" WITH HIGH-FIDELITY CONE

A special new addition to the Monarch line... a budget priced, heavy duty unit for replacement or manufacturing use in radios, TV's, extension speakers, etc. Features a special Hi-Fi cone with a clean response from 60 to 14,000 cps, with a sturdy frame, and big magnet. Voice coil impedance: 8 Ohms.



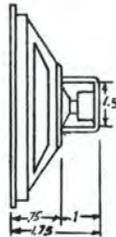
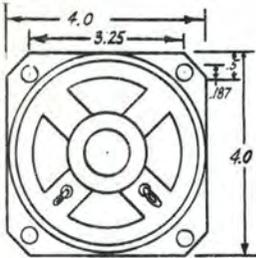
NO. SP-96E-2



4 INCH CIRCULAR

Very wide range speaker with smooth flat response over the entire range.

Impedance 4 Ohms, lowest resonance frequency 195-210 cps; frequency range 200 to 8,000 cps; magnet weight 1.35 ounces. mounting diameter 3 3/8", baffle opening 3 11/16".

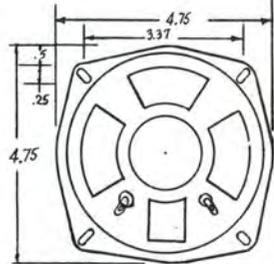
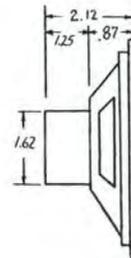
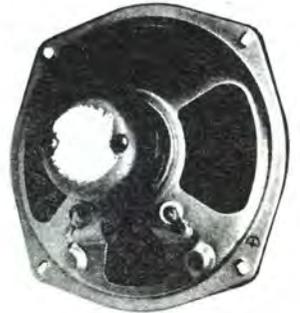


NO. SP-4

5 INCH CIRCULAR

Exceptional clarity with emphasis on mid-range tones.

Resonant frequency 120-160 cps; response from 120-8,000 cps. (within 20 db); voice coil impedance 8 ohms; sensitivity over 94 db/W; magnet weight 1.35 oz; outside diameter 5" x 5"; depth 2 1/8"; mounting diameter 3 7/16"; baffle opening 4 1/4".



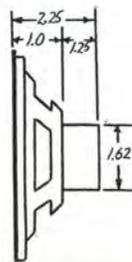
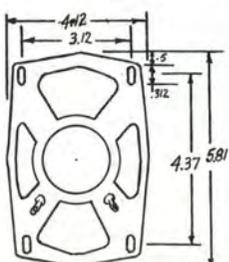
NO. SP-5



4 X 6 INCH OVAL

Economical oval unit with wide range response; ideal for home radios, TV and extension uses.

Resonant frequency 120-160 cps; response from 120-8,000 cps (within 20 db.) voice coil impedance 8 ohms; sensitivity over 94 db/W; magnet weight 1.35 oz; outside diameter 4 1/16" x 5 7/8"; depth 2 1/4"; mounting diameter 4 1/2" x 3 3/16"; baffle opening 5 1/2" x 3 3/4".

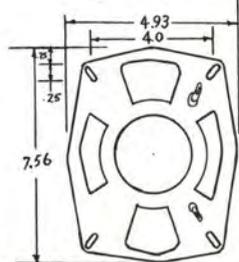
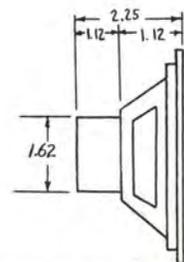


NO. SP-4X6

5 X 7 INCH OVAL

Heavy duty speaker with heavy magnet structure to handle up to 5 watts of power. Rugged construction.

Lowest resonance frequency 90-120 cps; frequency response 90-8,000 cps. (within 20 db.); voice coil impedance 8 ohms; sensitivity over 94 db/W; magnet weight 2.68 oz; outside diameter 5" x 7 1/2"; depth 2 1/4"; mounting diameter 4" x 5 3/4"; baffle opening 4 1/2" x 7".



NO. SP-5X7

MANY, MANY, MILLIONS OF MINIATURE TRANSISTOR RADIOS, TAPE RECORDERS, PHONOGRAPHS, TRANSCEIVERS, ETC., SOLD EACH YEAR! GET YOUR SHARE OF THE BIG VOLUME OF REPLACEMENT BUSINESS BY STOCKING THESE FINE-

MINIATURE **MONARCH** SPEAKERS

A COMPLETE, WIDE-RANGE LINE OF MINIATURE SPEAKERS; DESIGNED TO PROVIDE LOW-COST REPLACEMENTS FOR THE MYRIAD OF MINIATURE COMPONENTS BEING MANUFACTURED TODAY. MANUFACTURERS ARE INVITED TO WRITE OR CALL FOR QUANTITY PRICES ON THESE SPEAKERS OR SPECIAL SPEAKERS MANUFACTURED TO THEIR OWN SPECIFICATIONS.



ROUND

SQUARE

	1 3/4 INCH 8 ohms impedance NO. SP-1 3/4 R
	2 INCH 8 ohms impedance NO. SP-2 R
	2 1/4 INCH 8 ohms impedance NO. SP-2 1/4 R
	2 1/2 INCH 8 ohms impedance NO. SP-2 1/2 R
	2 3/4 INCH 8 ohms impedance NO. SP-2 3/4 R
	3 INCH 8 ohms impedance NO. SP-3 R

	1 3/4 INCH 8 ohms impedance NO. SP-1 3/4 S
	2 INCH 8 ohms impedance NO. SP-2 S
	2 1/4 INCH 8 ohms impedance NO. SP-2 1/4 S
	2 1/2 INCH 8 ohms impedance NO. SP-2 1/2 S
	2 3/4 INCH 8 ohms impedance NO. SP-2 3/4 S
	3 INCH 8 ohms impedance NO. SP-3 S

NATIONALLY ADVERTISED AND NATIONALLY ACCLAIMED
AS THE LEADER IN THE FIELD FOR QUALITY AND PRICE!

PARTS

MONARCH

Stereofoam

HEADPHONES



COMPLETE STEREO CHANNEL SEPARATION FOR IDEAL LISTENING WITH A MINIMUM OF OUTSIDE NOISE!

Soft, foamy earpads gently surround the ears, eliminating outside noises and conveying intricate variations of sound you never dreamed existed, particularly fine lows and clean, brilliant highs... all to be enjoyed in complete privacy without fear of disturbing those around you.

The lightweight earpieces and padded headband are completely adjustable to give a "custom fit" for utmost comfort; making the set ideal for communications work, monitoring, etc., hour after comfortable hour.

Only one cord is attached to the earphones... it is plastic covered, 6 feet in length, and terminates in a standard phone plug which may be plugged directly into the source or into a separate junction box (Monarch Model JB-300, illustrated below). Frequency range from 25 to 15,000 cps; impedance 8-16 Ohms.



NO. ES-300

3-WAY JUNCTION BOX



For use with the ES-300 stereo headphones above or many other pieces of stereo equipment where selectivity between sources is desired. When used with the ES-300 it permits listening to the earphones alone, speakers alone, or both at the same time. Has a built-in standard phono jack and switch and is fitted with a long, 3 strand hook-up wire.

NO. JB-300

STEREO EXTENSION CORD

A durable 25 foot extension cord to permit listening to your favorite stereo sound from any position in the room. Although designed for use with the Monarch Stereo Headphones shown above, it can also be used with many other headphones on the market. Flexible 3-conductor cable with 3-circuit plug and 3-circuit barrel jack.



NO. CCX-25

CRYSTAL HEADPHONES



Adjustable black plastic earphones with sparkling white earcaps attached to a comfortable spring headband. Excellent for code practice, short wave listening, etc. Complete with 3 ft. covered cord attached to standard phone tips.

NO. ES-15

EARSETS



Plastic earplug with adjustable over-the-ear fitting, covered with vinyl for comfort. Complete with long, lightweight cord and standard RCA type miniature plug. Attractively packaged in plastic display carton.

- 8 Ohms..... No. ES-51-8
- 15 Ohms..... No. ES-51-15
- 2K Ohms (hi-imped) .. No. ES-51-2K

PILLOW SPEAKERS

HIGH IMPEDANCE

Special large crystal element in a plastic case only 2 1/4" in diameter and 1/2" in thickness. Built to withstand high input. Complete with detachable plug and 3 ft. cord.

NO. ES-50

LOW IMPEDANCE

Flat, molded plastic pillow speaker with a direct contact plate to conduct sound to the inner ear, bypassing the ear channel. Inaudible to anyone except the user. Comfortable, easy to attach. Complete with 6 ft cord, plug and jack.

NO. SP-105



EARPHONE WIRE



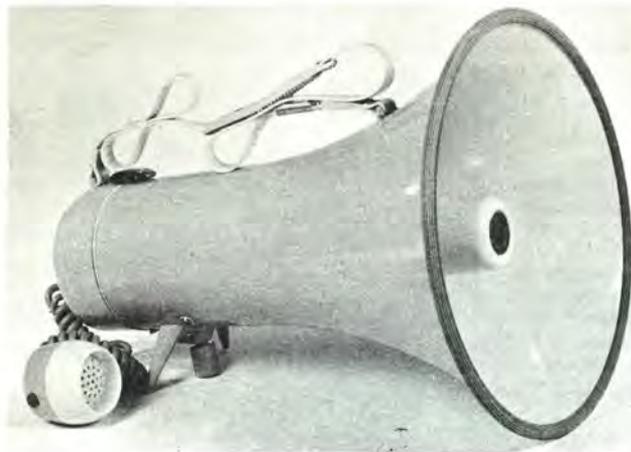
Neutral cream colored wire, light and flexible. For use with miniature earphones, listening aids, etc. Two-conductor, twisted pair, in 100 foot rolls.

NO. WW-1

PORTABLE POWER MEGAPHONE WITH EXTENSION MICROPHONE

PAGE 5

PARTS



The Monarch power megaphone now in use all over the world; working for schools, police, boating enthusiasts, even the military... and now greatly IMPROVED! Reflex type horn is light but sturdy aluminum. Push-to-talk microphone is securely mounted behind the driver but can be quickly removed to a distance of 5 feet. Supplied with coil cord permanently attached. Two gain settings. Lower gain setting cuts feedback indoors. Has 8 ohm output jack and standard coupling to mount on microphone stand. Contains internal non-linear current limiter for extra battery life. Powered by 6 standard flashlight cells. Projects up to 1500 feet.

NO. BM-1

OUTDOOR SPEAKERS

For PAGING, TALK-BACK, MUSIC REPRODUCTION



8 1/2" REFLEX TRUMPET

Powerful unit for commercial and industrial installations. Has built-in driver, heavy-duty magnet; 10 watts capacity-8 ohms impedance. Attractively finished in deep metallic blue with rubber lip ring, pre-drilled, adjustable mounting bracket and lead-in wire. 340 to 8,000 cps resp.

NO. DH-110



6" REFLEX TRUMPET

Compact, completely weatherproof, with built-in driver unit. Provides clear speech and music reproduction even in high-noise areas. Power capacity: 5 watts, impedance 8 ohms. Pearl grey enamel finish. Complete with adjustable, pre-drilled mounting base and lead-in wire. 400 to 6,000 cps.

NO. DH-105

UNIVERSAL DIVIDING NETWORK

4 CROSSOVERS IN 1!

2-WAY / 3-WAY CROSSOVER

8 OHMS / 16 OHMS IMPEDANCE



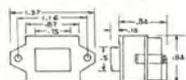
NO. DN-5

Now, a universal dividing network that does the work of four! You need not tie up capital by stocking many various types to meet your customers' demands. The DN-5 permits you to keep your inventory at an absolute minimum while still satisfying your customers with a low-cost, multi-purpose unit.

The network is precision built and contained in an attractive grey plastic case only 5" x 5 1/2" x 1 1/2" deep. Two slide switches permit selection of 2-way, 3-way, 8 Ohms or 16 Ohms impedance. Constant resistance parallel type attenuation of 6 db/octave with crossover at 4,000 cps for 2-way, 500 and 4,000 cps for 3-way. Maximum transmitted power: 30 watts.

AUDIO INDICATORS

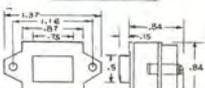
AM TUNING METER



Miniature indicator used to give an accurate indication of tuning peak on any AM radio or tuner. Inserted in the IF circuit as explained in instructions

NO. RAD-101

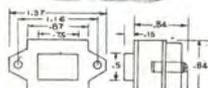
FM TUNING METER



Indicates peak tuning on all FM tuners and radios AND battery level on transistor portables. Compact, clear plastic case is 3/4" square. With instructions.

NO. RAD-102

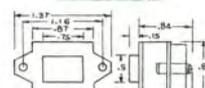
LEVEL METER



A visual level indicator for recorders, amplifiers, etc. Also shows battery condition on portable units. Rugged movement withstands up to five times the rated value.

NO. RAD-103

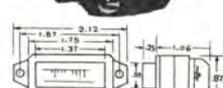
BALANCE INDICATOR



Precision movement in miniature housing. Gives visual indication of the correct balance on all stereo sets. With installation instructions.

NO. RAD-104

BALANCE INDICATOR



Visual balance indicator for stereo equipment. Clear plastic front casing 2 1/4" x 7/8". Depth is 1 7/16" overall. With instructions.

NO. RAD-105

PARTS



4-SPEAKER CONTROL BOX

Stereo speaker selector switch box with seven positions to control 4 speakers... individually or in various combinations. In neat gold case with ivory knob. With mounting screws and instructions.

NO. SS-117

FLUSH MTG. STEREO SWITCH

Dual 7 position switches for selecting all or 7 different combinations of any 3 pairs of speakers. Gold finished wall plate with ivory knob. 2 3/4" x 4 1/2".



NO. SS-117 F

STEREO-MONO-REVERSE



Simple, convenient switching from stereo to monaural to reverse. Has two phono jacks input and two phono jacks output. Dual channel feed-through for stereo. Outputs are connected for monaural use. shielded metal housing attractively finished, measuring 2" square and 1" deep with mounting flange

NO. T-750

PHASE CONTROL



Specially designed for multiple or stereo speaker installations to provide proper phasing of speakers. Completely shielded metal housing, nicely finished, measuring 2" square and 1" deep with mounting flange

2" square and 1" deep and screw terminals.

NO. T-752

MONAURAL L-PAD



Single L-Pad for adjusting ratios $\pm 17\%$ of normal rated impedance of speakers. Black plastic knob on a silver matte mounting plate.

8 Ohms impeded..... **NO. LP-100-8**
16 Ohms impeded..... **NO. LP-100-16**

STEREO L-PAD



Dual L-Pad for adjustment and control two speakers in a stereo system with a single knob. Black plastic knob on a smart matte silver mounting plate.

8 Ohms impeded..... **NO. LP-200-8**
16 Ohms impeded..... **NO. LP-200-16**

3-SPEAKER CONTROL

7-position selector switch in gleaming brass box; 3 1/2" x 2 3/4" x 1 1/4". Controls 3 speakers and any combination of the three. With screw terminals.

NO. SS-114



PUSH-BUTTON SPKR. KIT

Sturdy push-button control for front and back auto speakers. Pre-wired. With instructions and under-dash bracket.

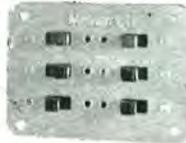
NO. SS-3P



1-6 SPEAKER SWITCH

Gold finished wall or panel mounting switch for controlling from 1 to 6 remote speakers. Plate measures 2 5/8" x 3 1/2"

NO. SX-600



PUSH-BUTTON SWITCH

3-way push button switch with a multitude of uses. (Part of the auto switch assembly above.)

NO. SS-1P



STEREO-MONO SWITCH

Six slide switch assembly with DPDT switching so each switch controls two speakers, both channels of a stereo system. On satin gold plate.

NO. SX-610



REAR-DECK SPKR. KIT

Complete rear-deck speaker switch assembly consisting of 3-position switch, 20' of plastic covered hook-up wire, mounting plate, knob and hardware.

NO. SS-111



AUDIO MIXERS

Versatile plug-in audio mixers that make 2 channels out of 1. Each has independent gain control. Chrome plated cases with black knobs.



Two PHONO JACK inputs to PHONO PLUG output.

NO. AM-1



Two PHONO JACK inputs to PHONE PLUG output.

NO. AM-2



Two PHONE JACK inputs to PHONE PLUG output.

NO. AM-3



Two MICROPHONE JACK inputs to PHONE PLUG output.

NO. AM-4

REAR-DECK SPKR. SWITCH

Three position rotary switch with positive contacts, 1/4" knurled shaft, for 3/8" mounting. (part of assembly No. SS-111)

NO. SS-112



AUTO FADER CONTROL KIT

Complete auto speaker fader assembly with pre-wired wire wound control, bracket, knob and hardware. With instructions.

NO. SS-113



AUTO FADER CONTROL

Wire wound control same as that included in SS-113 kit above. For auto rear deck speaker control and replacement units.

NO. SS-115



**DYNAMIC
DUAL IMPEDANCE
MIKE**



AN
EXCELLENT
GENERAL PURPOSE
MIKE

- HIGH IMPEDANCE : 50,000 OHMS
- LOW IMPEDANCE : 600 OHMS
- FINE FOR VOICE OR MUSIC
- RESPONSE FROM 40 TO 15,000 cps.
- SENSITIVITY: -52 db @ 1,000 cps.
- WITH ON-OFF SWITCH
- HIGHLY DIRECTIONAL WITH LOW PICK-UP FROM SIDE OR REAR DUE TO FINE PEAR-SHAPED PICKUP PATTERN
- FITTED WITH 20 FOOT CORD

NO. TM-18

**OUR FINEST
PROFESSIONAL
MIKE**

SLIM DYNAMIC
HIGH
IMPEDANCE



- RESPONSE : 38 TO 16,000 CPS
- IMPEDANCE: 50,000 OHMS
- LONG-LIFE PHENOLIC DIAPHRAGM
- MACHINE TOOLED CASE
- BRUSHED CHROME FINISH
- NO CAVITY EFFECT
- SWIVEL STAND ADAPTER
- FITTED WITH 20 FOOT CORD

NO. TM-17

**CARDOID
DYNAMIC
MIKE**



HIGH IMPEDANCE
SINGLE DIRECTIONAL
PICKUP PATTERN
ATTRACTIVELY STYLED
POPULARLY PRICED

- RESPONSE FROM 60 TO 12,000 CPS.
- OUTPUT: -62 db.
- ON-OFF SWITCH.
- LOW FEED-BACK
- SATIN CHROME METAL CASE
- SWIVEL STAND MOUNTING
- FITTED WITH 20 FOOT CORD

NO. TM-16

**COMMUNICATIONS
MIKE**



PRICED
FOR
BIG SALES
TO ALL
CB'ERS
AND HAMS!

- OUTPUT: -52 db.
- DESIGNED FOR VOICE
- WITH PUSH-TO-TALK SWITCH
- HEAVY DIECAST CASE
- BRUSHED CHROME METAL
- WITH MOUNTING BRACKET
- WITH FOUR-WIRE CURLY CORD

NO. TM-19

PARTS

POPULAR
CRYSTAL
WITH
2 HOLDERS

A very popular, budget-priced mike of satin chrome with 2 felt-lined interchangeable holders... 1 with a standard 5/8 in. 27 thread fitting for stand, the other of the lavalier type for chest use. High impedance with range from 60 to 10,000 cps. Sensitivity: -52db. Excellent for voice or music. Complete with on-off switch, both holders and a 6 foot shielded cord.

NO. MC-24

MINIATURE
DYNAMIC
ON STAND
WITH LAVALIER

A high-sensitivity, omnidirectional unit with a specially designed low-range compensating barrel and a plastic diaphragm to provide excellent frequency and directional characteristics. Barrel measures 3 1/4" x 3/4" in diameter. Output impedance: 50K Ohms. Output level: -58db + 3db at 50 K Ohms. Response: 100 to 12,000 cps. With 5 ft. cord, desk stand holder and lavalier.

NO. TM-11

DELUXE
WIDE RANGE
DYNAMIC

A big desk mike with barrel 5 1/4" x 1 1/4" on a sturdy desk stand 5 1/4" in height. Has low-range compensating barrel, special plastic diaphragm for high sensitivity and rich low ranges and excellent high frequency characteristics. All parts are the finest materials and carefully finished. Output impedance: 50 K Ohms, output level: -55db + 3 db at 50 K, response: 50 to 15,000 cps.

NO. TM-12

SLIM
DYNAMIC
WITH
SWITCH

Frequency Range: 100-10,000 cps. + 10 db
Impedance: 50,000 Ohms
Output Level: -45 db.
Finish: Black and Metallic Silver
Mike size: 7" long; 1 1/4" in diameter
Overall Height: 5 1/2"
Complete with base and slide switch.

NO. TM-7

MINIATURE
BARREL
DYNAMIC

Finish: Metallic Grey and Silver with chromed wire stand.
Size: 3" long, 1 1/4" diam., 3 3/4" high.
Equipped with 9 ft. shielded plastic cord.
Frequency Range: 80-10,000 cps + 10 db.
Impedance: 50,000 Ohms
Output Level: -57 db.

NO. TM-8

WIDE
RANGE
SLIM
DYNAMIC

Frequency Range: 50-10,000 cps + 10 db.
Impedance: 50,000 Ohms
Output Level: -57 db.
Finish: Metallic Grey and Silver
Mike Size: 6" long; 1 1/4" in diameter
Overall Height: 4 1/2".
Complete with stand.

NO. TM-10



GUITAR MIKE

A professional guitar microphone with volume and tone controls, bright chrome plating, felt-backed pick-up unit, 9 foot shielded lead and standard phone plug. And Monarch's pricing policy places it within reach of a broad, new market.

NO. MCG-1



MUSICAL CONTACT

A sensitive, specially designed crystal contact mike which slips easily under the bridge of stringed instruments and harmonicas to amplify the sound. Can be used with violins, mandolins, guitars, ukuleles, etc. Attaches in seconds without tools. Complete with 6' plastic covered, shielded cord.

NO. MC-51



DESK STAND

Inexpensive microphone stand for tape recording or communications. Base is of cast aluminum, 4 1/4" in diam.; fitted with chromed 5/8" upright with standard 27 thread. Overall height: 4 inches.

NO. MB-100



CRYSTAL HAND OR STAND

An attractive and sensitive crystal mike which fits comfortably in the hand or attaches to floor or desk stand with stand-ard fitting. Uni-directional pattern with swivel base. Response from 70 to 9,500 cps. With gleaming enamel finish and chrome accents. Complete with 5 foot shielded cord.

NO. MC-131

TELEPHONE PICK-UP COILS



SUCTION CUP

Magnetic induction type telephone pick-up with suction cup to attach near the magnetic field of the phone to pick up both sides of the conversation. No permanent connection to phone required. With attached 5 foot shielded lead.

NO. TC-200



Picks up both sides of phone conversation and feeds tape recorder, amplifier, etc. No connection to phone required. Only 4 1/2" x 1 1/2" x 1/4". With 5 foot shielded lead.

NO. TC-100

KURLY-KORDS



Exceptionally fine "Kurly-Kords" for all kinds of microphones, handsets, etc. Expand from less than a foot to over five feet and then shrink to their original length. Ends tripping and tangle of dangling wires. Very popular with Hams and C.B.'ers. Sturdily constructed of top-quality materials; durable, flexible and kink-proof. Available in three different conductor combinations. Packaged on a colorful, attention-getting display card.

- TWO CONDUCTOR - ONE SHIELDED. NO. CC-2001
- THREE CONDUCTOR - ONE SHIELDED NO. CC-3001
- FOUR CONDUCTOR - NO SHIELD... NO. CC-4000



TRANSISTOR MIKE MIXERS



4-CHANNEL

For control of four high-impedance microphones. (Can be used for low-impedance mikes if a matching low-to-high mike matching transformer is used.) Gain: approx: 6 db, Max. input signal: 1.5 volts, Max. output signal: 2.5 volts, Output for minimum distortion: 2 volts, Frequency: 50 to 2,000 cps flat; 2,000 to 15,000 cps - 5db. Imped: 50,000 Ohms. In brushed gold enclosure with black markings and knobs, plastic covered cord with phono plug and adaptor with standard phone plug. Less batteries.

NO. MM-400



STEREO

A transistorized audio mixer to control from 1 to 4 signals from low-impedance sources such as microphones, tuners, phonos, etc., into the high-impedance input on recorder or amplifier. Will increase the volume of any channel while holding or fading others. (Can be used with low-impedance mikes if a low-to-high mike matching transformer is used.) Gain: Approx. 6db, Max. input signal: 1.5 V., Max. output signal: 2.5V., Output for min. distortion: 2 V., Impedance: 50K Ohms. In brushed gold case with black accents, cords, plugs, adaptor, and instructions. Less batteries.

NO. MM-800

TAPE RECORDER MIKES

PRICED TO PLACE MANY REPLACEMENT DOLLARS IN YOUR TILL!

PARTS

DYNAMIC
WITH
SWITCH

An exceptionally fine hand mike in a smart modern case of black and white plastic with a locking slide switch, 5 foot plastic covered cord, and flip-back metal stand for desk use. Measures 3" x 2 1/4" x 1". A built-in transformer minimizes induction and interference. Response: 200 to 10,000 cps, impedance 600-50K Ohms, sensitivity: -55db +3db at 50KΩ.

NO. MC-40

STREAMLINED
DYNAMIC

STREAMLINED HAND-MODEL WITH FRONT PANEL PUSH-TO-TALK SWITCH

in an ivory and black plastic case-5 1/4" x 1 5/8" x 1", with 5 ft. plastic cord. Response: 200 to 9,000 cps +5db, impedance: 600-50,000 Ohms, sensitivity: -7db at 600 Ohms, -57db at 50,000 Ohms.

NO. MC-300

MINIATURE
MAGNETIC

* TRANSFORMERLESS

* MOVING COIL TYPE

* LOW-COST

Tiny, hand-size magnetic mike in ivory and black plastic case, 2 1/2" x 1 7/8" x 1", with metal flip-back table stand and 5' plastic covered cord. Response: 300 to 4,000 cps, sensitivity: -65 db + 7 db, impedance: 2,000 Ohms.

NO. MC-90

CRYSTAL HAND MIKES



WITH PUSH BUTTON SWITCH

Compact, crystal hand mike in grey plastic case with gold grille. Only 2 7/8" x 2". High impedance with response from 100 to 9,000 cps. With push-to-talk locking switch and 5 foot shielded cord.

NO. MC-122



Tiny "Match-Box-Size" Crystal Microphone in an ivory plastic case only 1 5/8" x 2 3/8" x 1" deep. High Impedance. Response: 200 to 7,500 cps. Fitted with a 3 foot plastic covered cord.

NO. MC-70

CRYSTAL LAPEL MIKES



Smartly designed lapel mike with speech-type cartridge in a sparkling black and silver case. Complete with spring clip on back and 5 foot coaxial cord with plug.

NO. MC-105



Non-directional mike in a clean-line plastic case only 1 3/4" x 1 1/4" x 9/16". 100 to 9,000 cps; -50 db sensitivity. With strong spring clasp for attaching to lapel or shirt front and 5 foot shielded cord.

NO. MC-50

CRYSTAL CARTRIDGES



Carefully selected, high-fidelity crystal cartridge for replacement use or concealed positioning. High impedance with a 70 to 9,500 cycle response. Only 1 3/4" in diam and 3/8" deep. Top Quality.

NO. MC-100

New miniature crystal cartridge with full response from 80 to 10,000 cps and high sensitivity. Fits many small microphones. Measures 1" by 7/16" High impedance.

NO. MC-200



DIE-CAST WITH CARTRIDGE



MONAURAL . . . NO. PA-200
STEREO NO. PA-201

A rare value in an ever-popular, lightweight pick-up arm! Of die-cast alloy finished in gleaming ebony—with finger lift, spring mounting standard, mounting hardware, hook-up wire and arm rest. A high-output cartridge of the crystal, turn-over type is already positioned in the head. Cartridge is fitted with 2 sapphire needles (78 and LP) of the easily replacement type... procurable everywhere. DISTRIBUTORS SHOULD STOCK FOR REPLACEMENT BUSINESS. MANUFACTURERS SHOULD WRITE OR CALL FOR VOLUME PRICE!

An all-purpose, lightweight plastic arm in great demand by service - men and priced to let them do the job far below the going price. Molded of sturdy plastic and fitted with a crystal flip-over cartridge of the easily replaceable type with two sapphire styli (78 and LP). A COMPLETE UNIT AVAILABLE AT LESS THAN THE SELLING PRICE OF THE CARTRIDGE ALONE! O.E.M.'S ARE INVITED TO WRITE OR CALL FOR SPECIAL QUANTITY PRICES.

MONAURAL . . . NO. PA-300
STEREO NO. PA-301

UNIVERSAL PLASTIC ARM

WITH FLIP-OVER MONAURAL OR STEREO CARTRIDGE



45 RPM SPINDLES



THREE, PRECISION MANUFACTURED, 45 RPM SPINDLES WHICH ARE DIRECT REPLACEMENTS FOR MOST OF THE POPULAR RECORD CHANGERS IN THE FIELD TODAY... BOTH BRITISH AND AMERICAN. AVAILABLE AT PRICES WHICH PLACE YOU IN A VERY FAVORABLE SALES POSITION! ORDER FROM THE ILLUSTRATIONS AT THE LEFT OR WRITE FOR LITERATURE WITH COMPLETE REPLACEMENT INFORMATION.

STEREO CERAMIC



Stereo-monoaural turnover ceramic with response from 20 to 20,000 cps. Dual sapphire for 16, 33, 45, 78 rpm. Output: 20 mV.

NO. XC-26

STEREO WITH 2 DIAMOND STYLI



Moving magnet type. 20 to 20,000cps. Output V.: 6mV 1Kcps 5 cm/sec. Isolation: + 0.5db at 1 K cps. Compliance: 5.0 x 10⁶ cm/dyne. DC Res: 800Ω. Load Res: 50 KΩ. Styli: 0.5 & 0.7 mil. **NO. MD-3**
EXTRA } 0.5 mil: No. MD-5
NEEDLES } 0.7 mil: No. MD-7

RCA TYPE CRYSTAL 45 RPM



Has exact physical and performance characteristics of cartridges used in RCA type, 45 RPM changers. 50 to 10,000 cps, 1.0 volt output, 1 mil sapphire stylus. **NO. XC-45**

CARTRIDGES

BUDGET FLIP OVER REPLACEMENT



A universal flip-over replacement cartridge. Fits most low price players and changers. High output and standard mounting.

MONAURAL..... **NO. XC-90**
STEREO..... **NO. XC-99**

STYLUS PRESSURE GAUGE



Operates on simple lever principle. Unaffected by heat, humidity, etc. Permits accurate measurement with arm in normal playing position. 0 to 30 gram scale. Heavy gauge aluminum alloy **NO. SPG-1**

ECONOMY PRESSURE GAUGE



Precision balance type pressure gauge with scale - 2 to 10 grams. Measure stylus pressure when tone arm is in normal playing position. Satin gold finish. **NO. SPG-2**

CAMEL HAIR RECORD BRUSH



Softly brushes foreign matter from in front of the needle; increases record life and tone quality. Clip fits most arms. Neatly packaged in clear plastic container. **NO. RB-1**

AUTOMATIC NEEDLE BRUSH



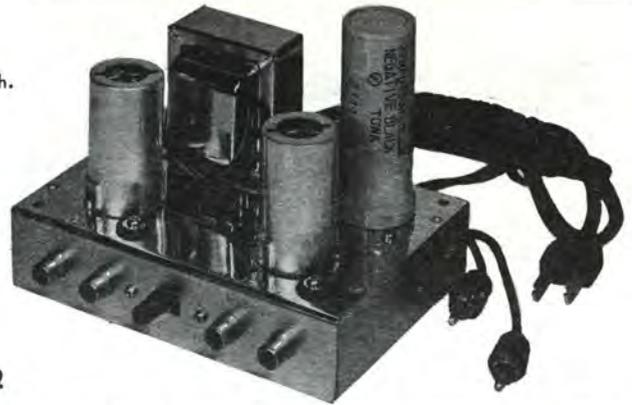
Specifically designed to gently brush dust particles, etc. from the needle of automatic changers during record changes. Simple to adjust; easy to attach on most changers. **NO. RB-2**

PARTS



A compact, advance-engineered, dual channel preamplifier—either phono or tape can be selected by merely flipping a switch.

Circuitry: two 12AXT7.
 Response: 30 to 20,000 cps., uniform within 2 db.
 Gain: Phono: 40 db. 5 mV input for 1.2 V output.
 Tape: 60 db. 1 mV input for 1 V output.
 Equalization: Phono: RIAA.
 Tape: 1,600 cps. turnover.
 Output Impedance: 100,000 Ohms or higher. Connection to be made to any amplifier with 100,000 Ohm or higher impedance.
 Power Supply: 105-125 Vac, 50/60 cps.
 With connecting cords, plugs, and schematic. Less tubes.



NO. PRE-202

MONAURAL PHONO-TAPE PREAMPLIFIER

A dual-purpose preamplifier instantly adaptable to either phonograph or tape recorder... precision constructed of finest materials for a frequency range from 20-20,000 cps. at +3 db. Power rating: 105-125 V ac, 50-60 cps; 4 watts at 117 volts. Can be changed from phono or tape inputs by merely flipping switch. Requires only one tube, type 6SC7. Complete with selenium rectifier, AC cord and plug and hook-up cord with phono plug.



NO. PRE-101

VOLUME CONTROL ADAPTERS



Microphone volume control adapter for high impedance circuits. Nickel plated, with standard threaded male and female connections.

NO. T-710



Phono jack input to a two-conductor phone plug output; with a built-in volume control to prevent overloading. For high impedance circuits. Shielded and nickel plated.

NO. T-711



For use in unbalanced stereo channels, phono jack input to phono plug output. For single channel, high impedance circuits. Shielded and nickel plated.

NO. T-712

FLEXIBLE "Y" CONNECTORS

- * PHONO JACK AND PLUG TYPES
- * TO CONVERT STEREO PLAYERS TO MONAURAL
- * AS TAP-IN MONITOR CONNECTION
- * NECESSARY FOR SOME TAPE RECORDERS



Two phono plugs connected to one phono jack by a sturdy, grey shielded cable. Length 4".

NO. T-505



A phono plug connected to two phono jacks; grey shielded cable; overall length 4".

NO. T-506

"Y" ADAPTERS



Two phono jack connectors connected in parallel with a phono plug. Shielded and chromed.

NO. T-500



Three standard phono jacks in a "Y" type connector. Shielded and chromed.

NO. T-501



Two phono jack connectors connected in parallel to a two-conductor phone plug. Shielded and chromed.

NO. T-502



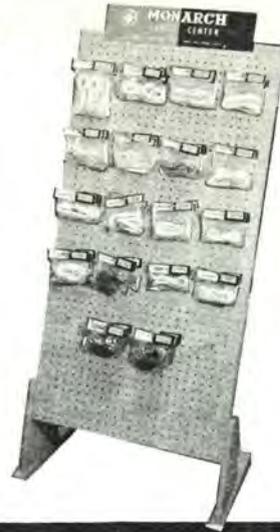
Two male microphone connectors connected in parallel to a standard two-conductor phone plug. Shielded and chromed.

NO. T-503

MONARCH CABLE DISPLAY CENTER

Big, colorful, attention-getting display rack... stops customers and acts as a self-serve merchandiser. Saves time of sales personnel and speeds up service.

Display is constructed of sturdy peg-board with wide floor base. Stands 5 feet high and measures 25 inches in width. Holds over a gross of Monarch molded cable assemblies packaged in clear plastic bags.



FREE! WITH YOUR ORDER FOR EITHER OF THE GROUPS OF MOLDED CABLE ASSEMBLIES LISTED BELOW.

No. CC-600, No. CC-620, No. CC-621, No. CC-622, No. CC-623, No. CC-624, No. CC-625, No. CC-626, No. CC-627, No. CC-628, No. CC-629, No. CC-630-4, No. CC-630-6, No. CC-630-10, No. CC-631-2, No. CC-631-4, No. CC-631-6, and No. CC-631-10. (See listing below for complete description of above.)

3 EACH OF ABOVE.
TOTAL 54 PIECES.....

NO. CC-1

5 EACH OF ABOVE.

TOTAL 108 PIECES..... **NO. CC-2**

MOLDED CABLE ASSEMBLIES



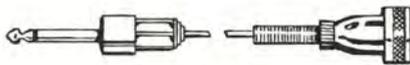
Space saving right angle phone plug and white plastic phono plug on ends of a 72" heavy white plastic shielded cord. No. CC-620



Chromed alligator clips and space-saving, right angle phone plug on ends of 72" unshielded white plastic parallel cable. No. CC-624



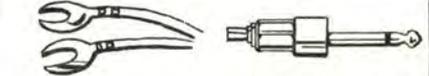
A standard, chromed microphone connector at either end of a heavy, white plastic, shielded cable, 36 inches long. No. CC-628



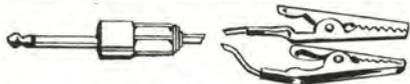
Straight white phone plug and chromed microphone connector on ends of a 72" heavy, white shielded plastic cable. No. CC-621



A space saving, right-angle, white plastic phone plug at either end of a 72" white plastic shielded cable. No. CC-625



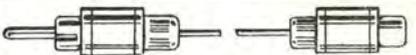
Molded white plastic phone plug on one end and twin spade lugs on the other end of a 72" white twin-lead cable. No. CC-629



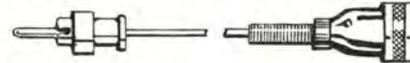
Straight white phone plug and chromed alligator clips at ends of a 72" white, plastic parallel cable, unshielded. No. CC-622



A space-saving, right angle phone plug and 2 spade lugs at ends of a 72" white plastic parallel unshielded cable. No. CC-626



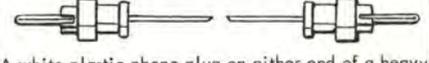
Chromed, shielded RCA type pin jack and chromed, shielded RCA type pin plug at ends of white cable. 4 ft-No. CC-630-4, 6 ft-No. CC-630-6, 10 ft-No. CC-630-10.



White plastic phono plug and chromed standard microphone connector on ends of a 72" white shielded plastic cable. No. CC-623

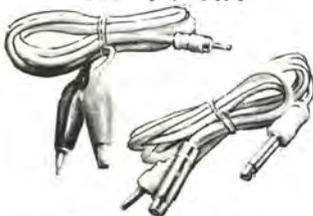


Chromed alligator clips and white plastic phono plug at ends of a 72" white plastic shielded cable. No. CC-627



A white plastic phono plug on either end of a heavy white plastic shielded cable. 2 ft-No. CC-631-2, 4 ft-No. CC-631-4, 6 ft-No. CC-631-6, 10 ft-No. CC-631-10.

HI-FI KIT



Multi-purpose cable assembly for hi-fi use; a patch cord, an extension cord, an adapter. Patch cord is 72" long white plastic shielded with phono plug on one end and red and black insulated alligator clips on the other. 72" extension cable has standard phono plug and jack. Adapter is plastic bodied with RCA type plug and RCA type phone jack.

NO. CC-600

PATCH CORD



A 6 foot two-conductor cord with plastic insulation and re-enforcements at stress points. Has phono plug on one end which fits into an adapter with standard phone plug. The other end has two insulated color coded alligator clips. Use to take sound from a speaker to feed a tape machine, to connect to mike output, connect amplifier, phono, etc., etc.

NO. CC-110

STEREO EARPHONE



A durable 25 foot extension cord for use with stereo earphones. Monarch Model ES-300 or many others in the field. Plastic covered 3-conductor cable with 3-circuit standard phone plug and 3-circuit barrel jack.

NO. CCX-25

STEREO EXTENSION



A double wire extension cord with many possible uses with hi-fidelity stereo tuners, amplifiers, etc. Sealed together with color coded phono plugs on each end. Available in 3 foot or 6 foot lengths.

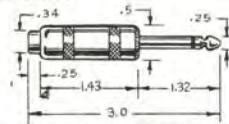
3 foot length..... NO. CC-632-3
6 foot length..... NO. CC-632-6

PARTS

PHONE PLUG ADAPTER

Slim, shielded 2-conductor phone plug adapter. Standard phone plug with miniature pin - type jack in end of barrel. Chromed.

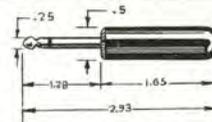
NO. T-209



BAKELITE PHONE PLUG

Standard, slim, two-conductor phone plug with black bakelite barrel and screw terminals.

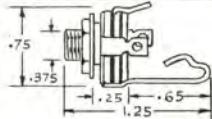
NO. T-208A



2-CIRCUIT PHONE JACK

Fits all standard plugs. Nickel plated brass with bakelite wafers.

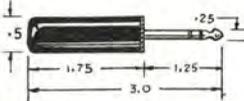
CLOSED **NO. T-210** OPEN **NO. T-211**



3-WAY PLUG

For Stereo earphones. Black bakelite barrel with standard 3-way phone plug.

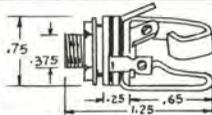
NO. T-213P



3-WAY JACK

Sturdy open circuit jack with bakelite wafers; mates with 3-way jack No. T-213 P.

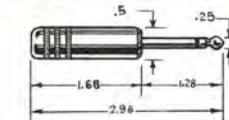
NO. T-213J



SHIELDED PHONE PLUG

Slim, standard two-conductor phone plug with solder terminals. Chromed.

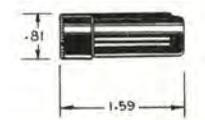
NO. T-208



BARREL JACK

Standard in-line phone jack in 3/4" black plastic barrel. Screw terminals.

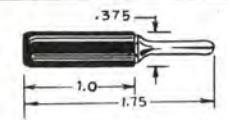
NO. T-531



BANANA PLUG

Insulated plastic barrel with rugged split tip of nickel plated brass. Red or black. Pls. specify.

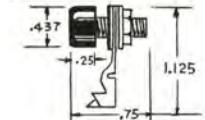
NO. T-261P



BANANA JACK

Completely insulated for chassis or panel mtg. Plastic head in red or black. Please specify.

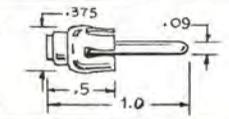
NO. T-261J



RCA TYPE PHONO PLUG

Single prong, positive grip jack for many standard applications. Nickel plated brass.

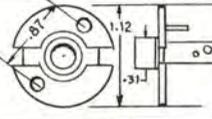
NO. T-299P



RCA TYPE PHONO JACK

Sturdy bakelite disc with nickel plated brass fittings and solder terminals.

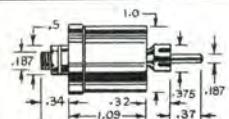
NO. T-299J



PHONO PLUG ADAPTER

Standard phone jack on one end of a shielded, chromed barrel. Adapts to standard phono plug on the other end.

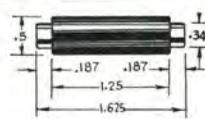
NO. T-685



PHONO PLUG COUPLER

Shielded plastic barrel 1/2" in diameter with a standard phono jack in each end.

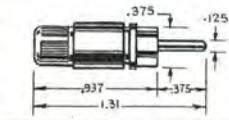
NO. T-686



SHIELDED PHONO PLUG

Chromed phono plug with knurled grip on end of barrel for easy grip. Fits all standard jacks.

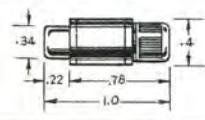
NO. T-700



SHIELDED PHONO JACK

Chromed phono jack with knurled grip on end. Fits all standard plugs and mates with No. T-700

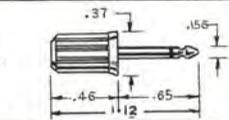
NO. T-702



SUB-MINIATURE PLUG

Sub-miniature 2-conductor plug with fluted white plastic barrel and solder terminals.

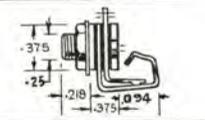
NO. PG-100P



SUB-MINIATURE JACK

Sub-miniature 2-conductor closed circuit jack. Mates with No. PG-100P.

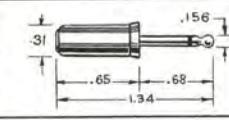
NO. PG-100J



MINIATURE PLUG

Miniature plastic barrel plug, 2-conductor with solder terminals.

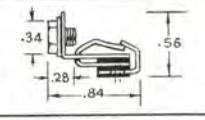
NO. PG-101P



MINIATURE JACK

Closed circuit jack, mate for No. PG-101 P. Mounts through 1/4" mounting hole.

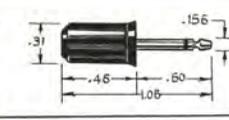
NO. PG-101J



SUB-MINIATURE PLUG

Extremely small 2-conductor plug with plastic barrel and solder terminals.

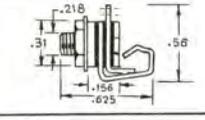
NO. PG-102P



SUB-MINIATURE JACK

Closed circuit jack, mate for No. PG - 102P. Mounts through 1/4" mounting hole.

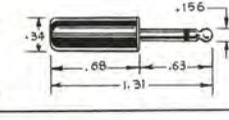
NO. PG-102J



MINIATURE PLUG

Miniature plug with plastic barrel in assorted colors. 2-conductor. Solder terminals.

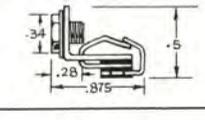
NO. PG-103P



MINIATURE JACK

Closed circuit jack, mates with PG - 103 P. Mounts through 1/4" mounting hole.

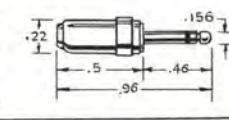
NO. PG-103J



SUB-MINIATURE PLUG

Smallest 2-conductor plug, plastic barrel with solder terminals.

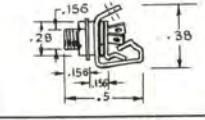
NO. PG-104P



SUB-MINIATURE JACK

Smallest jack, mates with No. PG-104- P. Closed circuit. For 3/16" mounting hole.

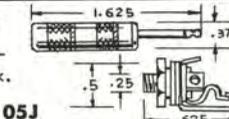
NO. PG-104J



MINIATURE PLUG & JACK

Fits many imported record players. chromed two-conductor plug with matching closed circuit jack.

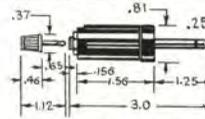
PLUG — NO. PG-105P JACK — NO. PG-105J



PHONE PLUG ADAPTER

Standard 2-conductor phone plug with black plastic. Included is a miniature plug which fits into the end of barrel.

NO. PG-150



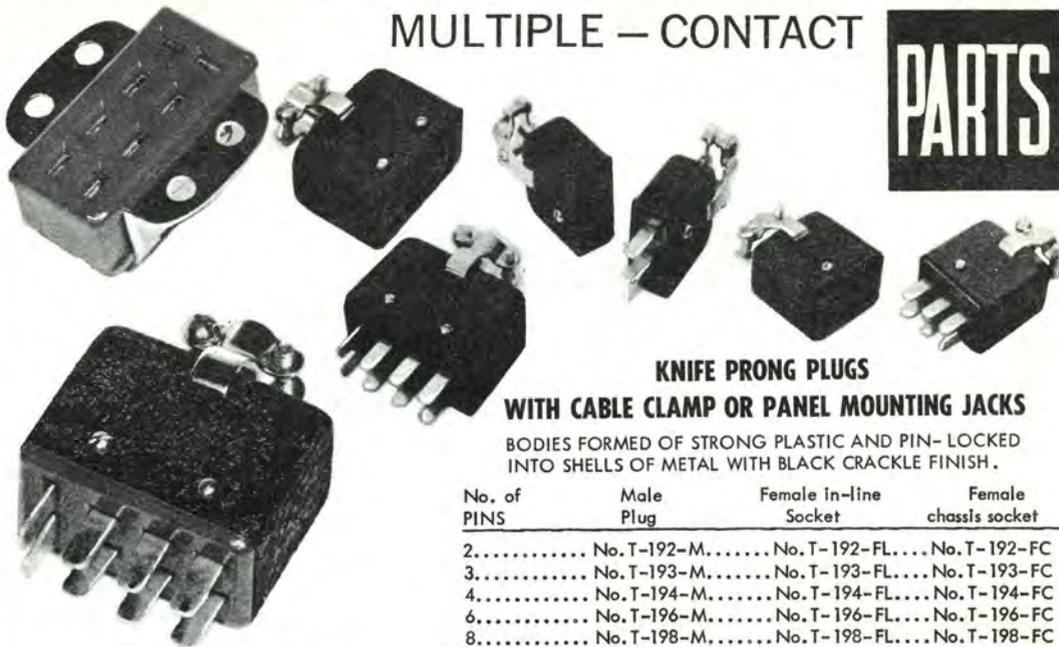
MULTIPLE - CONTACT



5 WAY
BINDING
POST

Rugged plastic body with a banana plug receptacle and solder connections on base. Has a non-removable head and a wire hole through post. Rated 2,000 volts; 30 amps. Mounts through 1/2" panel hole. Overall length: 1 3/4". Choice of red or black. Please specify color.

NO. T-1000



KNIFE PRONG PLUGS

WITH CABLE CLAMP OR PANEL MOUNTING JACKS

BODIES FORMED OF STRONG PLASTIC AND PIN-LOCKED INTO SHELLS OF METAL WITH BLACK CRACKLE FINISH.

No. of PINS	Male Plug	Female in-line Socket	Female chassis socket
2.....	No. T-192-M.....	No. T-192-FL....	No. T-192-FC
3.....	No. T-193-M.....	No. T-193-FL....	No. T-193-FC
4.....	No. T-194-M.....	No. T-194-FL....	No. T-194-FC
6.....	No. T-196-M.....	No. T-196-FL....	No. T-196-FC
8.....	No. T-198-M.....	No. T-198-FL....	No. T-198-FC



KNIFE

Plated spring contacts on a black bakelite base. Pre-drilled with mounting holes. Insulated handle. Overall length : 2 1/4".

D.P.D.T. - NO. T-216



SLIDE

Miniature switch with smooth sliding bakelite handle on a nickel plated brass body. 1 3/8" x 1 1/8". 0.5 amps, AC or DC.

S.P.D.T. - NO. T-218
D.P.D.T. - NO. T-219



ROCKER
S.P.S.T.

White plastic rocker switch with black markings on a plastic base with nickel plated brass fittings. Overall depth : 1", mounting centers: 1 3/8".

NO. SS-200



ROCKER
D.P.D.T.

Brown plastic rocker switch with white dot marker on a sturdy nickel plated brass base. Overall depth : 1"; mounting centers : 1 3/8".

NO. SS-210

SWITCHES



PUSH
BUTTON

NORMALLY
OPEN

Miniature momentary-on switch only 1" overall in length. Black barrel with red button. Mounts through 1/4" panel hole.

NO. SS-300

PANEL LIGHTS

7/8" LENS
SCREW
BASE



Vertical mounting panel light holder of nickel plated steel. Faceted lens in red, green, yellow, or clear. 11/16" mounting hole. Pls specify color choice.

NO. T-200

1/2" LENS
SCREW
BASE



Vertical mounting panel light holder of nickel plated steel. Faceted lens in red, green, yellow, or clear. 5/16" mounting hole. Pls specify color choice.

NO. T-202

1/2" LENS
BAYONET
BASE



Vertical mounting panel light holder of nickel plated steel. Faceted lens in red, green, yellow, or clear. 5/16" mounting hole. Pls specify color choice.

NO. T-202A

1/2" LENS
HORIZONTAL
MOUNTING



Compact, easy to install. Heavy, chrome polished base with solder terminals. Faceted lens in red, green, yellow or clear. Requires 7/16" mounting hole. Pls specify color choice.

NO. T-203

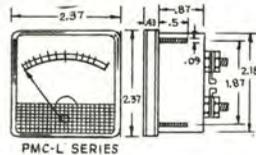
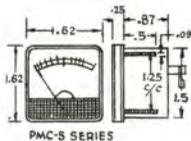
NEON



Precision built, only 1" in length, requires 5/16" mtg hole. For 115 v lines use 2 100K ohm resistors in parallel- for 230v lines, 250K resistors in parallel. Choice of red, yellow or clear lens. Pls specify choice.

NO. NPL-100

PARTS

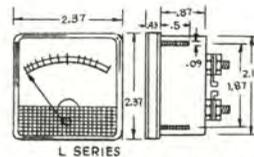


RANGE		LARGE	SMALL
0-50	Microamps DC.....	PMC-1L.....	PMC-1S
0-100	Microamps DC.....	PMC-2L.....	PMC-2S
50-0-50	Microamps DC.....	PMC-18L.....	PMC-18S
100-0-100	Microamps DC.....	PMC-3L.....	PMC-3S
0-200	Microamps DC.....	PMC-4L.....	PMC-4S
0-500	Microamps DC.....	PMC-5L.....	PMC-5S
0-1	Milliamps DC.....	PMC-6L.....	PMC-6S
0-10	Milliamps DC.....	PMC-31L.....	PMC-31S
0-100	Milliamps DC.....	PMC-7L.....	PMC-7S
0-200	Milliamps DC.....	PMC-8L.....	PMC-8S
0-300	Milliamps DC.....	PMC-9L.....	PMC-9S
0-500	Milliamps DC.....	PMC-10L.....	PMC-10S
0-15	Volts DC.....	PMC-11L.....	PMC-11S
0-30	Volts DC.....	PMC-13L.....	PMC-13S
0-500	Volts DC.....	PMC-15L.....	PMC-15S
0-15	Volts AC.....	PMC-12L.....	PMC-12S
0-150	Volts AC.....	PMC-14L.....	PMC-14S
0-10	Amperes DC.....	PMC-16L.....	PMC-16S

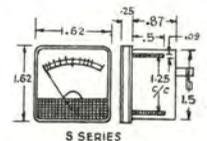
BRIGHT-VUE "S" METERS



Standard "ham" signal strength indicator. Attractive clear plastic meters with 3% accuracy and precision d'arsonval movements in two sizes. A "must" for radio amateurs for conversion of any communications receiver with AVC action to give calibrated signal strength indications.



LARGE NO. PMS-1L

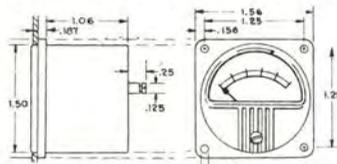


SMALL NO. PMS-1S

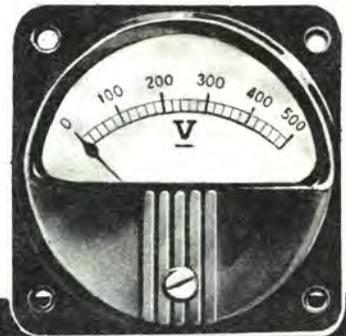
D'ARSONVAL TYPE MINIATURE METERS

3% ACCURACY, IMPORTED MINIATURE PANEL METERS AT MONEY-SAVING PRICES.

Dependably accurate, precision constructed units for all miniature applications. Attractive plastic cases with clear calibrated dials - 17 popular ranges carried in stock.

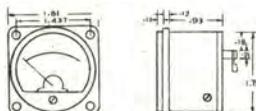


0-10	Milliamps DC	PM-31	0-15	Volts AC	PM-12
0-300	Milliamps DC	PM-9	0-10	Amperes DC	PM-16
0-500	Volts DC	PM-15	0-3	Amperes RF	PM-17



VU METERS

MINIATURE PANEL



A precision VU meter only 1 7/8" square. Calibrated -10 to +3 with three color dial and plastic case.

NO. VU-100

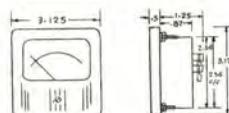
MINIATURE BRIGHT-VUE



An attractive, easy to read VU meter with precision movement and clear plastic case.

NO. VU 100C

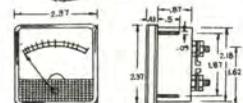
ILLUMINATED



Black plastic case with 3-color dial. Equipped with carbon film multiplier resistor and full wave rectifier.

NO. VU-102

BRIGHT-VUE



Large, clear plastic volume level indicator with standard VU scale in two colors.

NO. VU-102C

PARTS

**MORE PRECISION
AT LESS COST!**

**20,000 OHMS/V DC
10,000 OHMS/V AC
RESISTANCE TO 60 MEGS**

The real Monarch of compact, pocket-size testers! Highly accurate, with multiple scales, clear, easy-to-read dial, and functionally designed selector. With battery and leads.

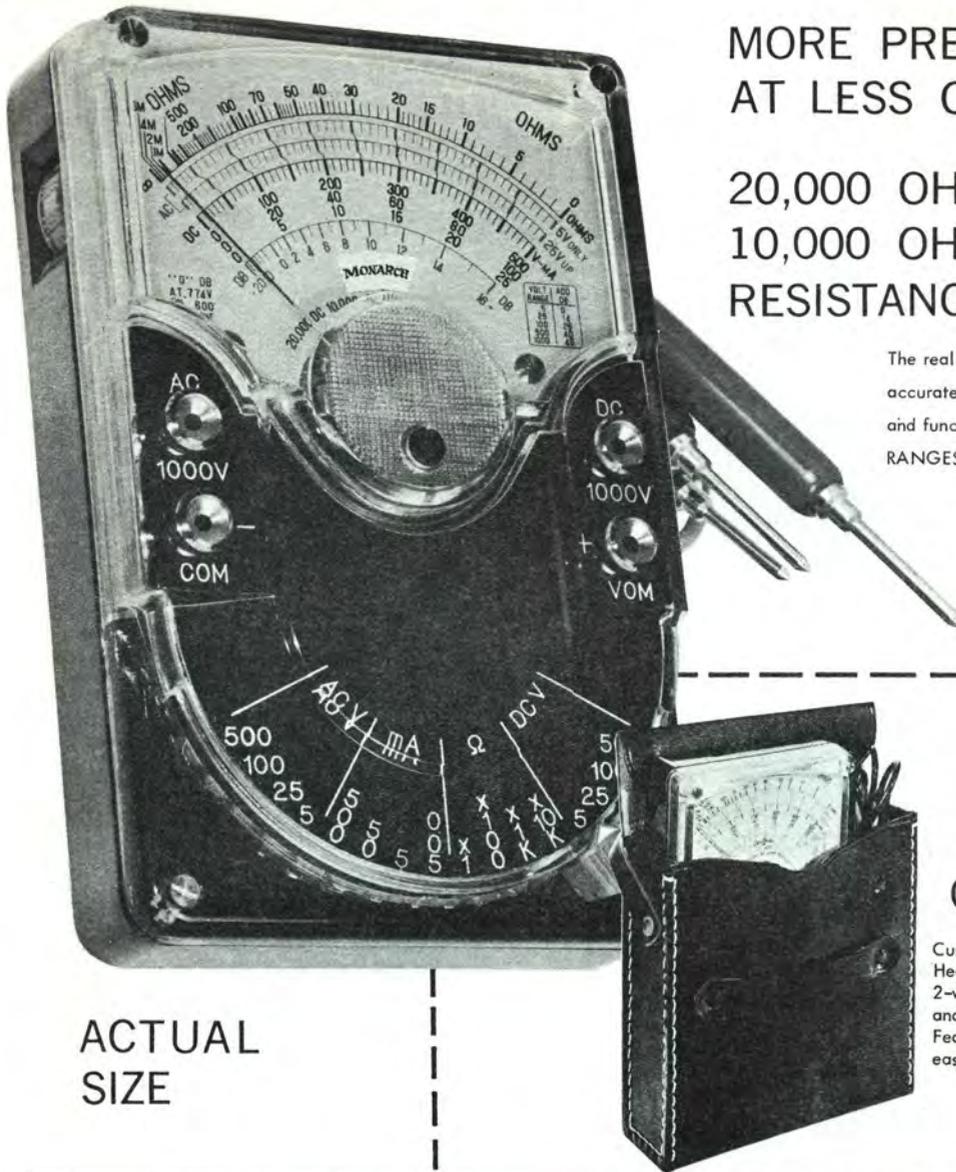
RANGES: DC VOLTAGE: 0-5-25-100-500-1000 V
(20,000 Ohms/V)

AC VOLTAGE: 0-5-25-100-500-1000 V
(10,000 Ohms/V)

DC CURRENT: 0-50 uA, 0-5-50 mA.

DECIBELS: -20 db to +62 db in 5 ranges.

NO. MT-222



**ACTUAL
SIZE**

**LEATHER
DUAL
COMPARTMENT
CARRYING CASE**

Custom made carrying case for MT-222 above. Heavy leather, hand stitched and fitted with a 2-way handle, functionally designed belt clasp, and a special closing clasp to keep the meter in. Features a compartment divider which permits easy removal of meter and/or leads.

NO. MTC-3

**2-WAY
LEATHER
CARRYING
CASE**

Genuine leather carrying case custom fitted to MT-222 opposite. Protects meter face from damage and keeps out dust and moisture. With a 2-way handle for carrying and a heavy metal hook for attaching to the belt.



NO. MTC-2

**DELUXE PROFESSIONAL VOM
20,000
OHMS DC
10,000
OHMS AC**

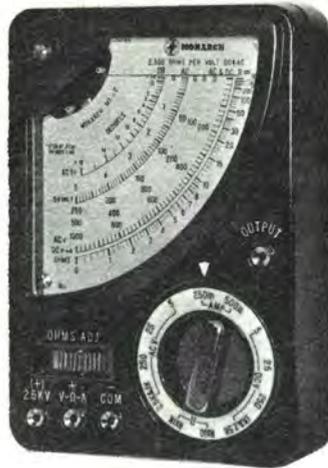
A compact, precision VOM with 1% resistors and single range selector dial. Ranges: DC Volts: 0-2.5-10-50-250-500-5000 volts at 20K ohms per volt. AC Volts: 0-10-50-250-500-1000 volts at 10K ohms per volt. DC Current: 0-0.05-5-50-500 ma. Resistance: 0-12K-120K-1.2Meg-12Meg. Decibels: -20 to +62 db. With test leads and battery. Case is 5 1/2" x 3 1/2" x 1 1/2".

NO. MT-220



PARTS

**2000 OHM AC/DC
VOLT
OHM
METER**

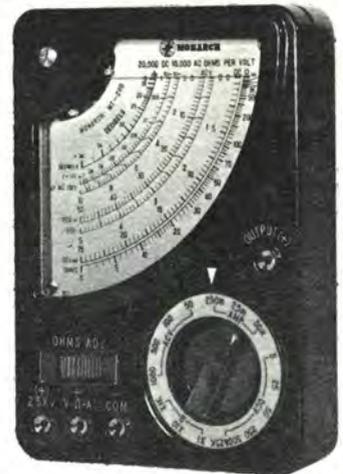


1% PRECISION RESISTORS

Rugged, accurate pocket meter with large, easy-to-read dial and 2K ohm per volt movement. Ranges: DC Volts: 0-5-25-250-1 KV-2.5KV at 2K ohms per volt. AC Volts: 0-5-25-250-1KV-2.5 KV at 2K ohm per volt. DC Current: 0-250, 0-500 microamps. Resistance: X 10, X 1000 Decibels: -20 to +16 db. Case measures 3 1/4" x 4 1/2" x 1". Complete with test leads, battery and explicit instructions.

NO. MT-2

**20,000 OHM DC
10,000 OHM AC
VOLT OHM
METER**



1% PRECISION RESISTORS

Ranges: DC Volts: 0-5-25-50-250-500-2500 volts at 20 K ohms per volt. AC Volts: 0-50-100-500-1000 volts at 10 K ohms per volt. DC Current: 0-50 ua 0-2.5ma, 0-250 ma. Resistance: X 1, X 10, X 1000 ohms. Capacitance: 10uuf to 0.001 uf. Decibels: -20 to + 63 db. Case dimensions: 3 1/4" x 4 1/2" x 1". With leads, battery, complete instructions.

NO. MT-200

**POCKET
SIZE
TEST
LEAD
KIT**



A tough vinyl folder containing two color-coded, 5000 volt, insulated wires 3 feet in length. Each wire has a banana plug on one end and a 4 1/2 inch pin-prod on the other end. The banana plug fits either of 3 supplied accessories...miniature pin-prods, spade lugs, or alligator clips. Contacts give positive solderless connection for universal use. Pocket-size folder measures 3 1/2 inches by 6 1/2 inches. Favored everywhere by technicians.

NO. CC-520

**TEST
METER
CARRYING
CASE**



Genuine leather carrying case with handle and heavy metal belt hook. Protects test meter face, keeps out moisture, dirt. Fits either Test Meter MT-2 or MT-200 illustrated above.

NO. MTC-1

TEST LEADS

PIN-PROD LEADS



One black and one red lead of flexible, kink-resistant plastic covered wire, 42" long with 5" "easy-grip" test prods on one end and pin plugs on the other.

NO. CC-310

PLUG-PROD LEADS



42" test leads of color coded flexible wire; one red and one black with an insulated banana plug on one end and 5" test prods on the other.

NO. CC-311

CLIP-PROD LEADS



Insulated plastic-handled alligator clips and 5" pin prods on either end of two 42" red and black test leads.

NO. CC-312



TESTS 12 POPULAR SIZE BATTERIES-
 1.5V, 3V, 4.5V, 6V, 7.5V, 9V, 15V,
 22.5V, 45V, 67.5V, 90V, 240V.



INTERNALLY LOADED for accurate testing of all types of dry cell batteries - radio, flashlight, hearing aid, etc., under operating conditions. Easy to use. Big, clear-view meter indicates, good, useable, and replace. Black metal case (3 5/8" x 5 1/4" x 1 5/8") with plastic meter face. Weight 1 lb. Probe type test leads, batteries, and instructions included.

NO. BT-1



TESTER FOR RADIO AND TV TUBES

COMPACT, PORTABLE UNIT for quick, accurate emission and leakage testing of all types of receiving tubes. Features high-sensitivity circuitry for testing the newer type tubes. Sockets are provided for Octal, Loctal, 7-pin Miniature, new Noval and Sub-Minar types, as well as the new 9 and 12 pin Compactron and Nuvistor tubes. Separate jewel indicator lights show AC and leakage and a 3 1/4" clear-view, tri-color meter indicates quality.

In a sturdy wood case covered with charcoal leatherette with clasp, handle and removable lid. Case measures 10 3/8 wide, 8 5/8 deep and 4 1/4 high; weight 5 1/2 lbs. with AC cord and top-cap lead. Comes complete with explicit operating instructions, standard tube chart, supplemental tube chart and interchangeability chart which fits into a pocket in the lid.

NO. TT-200



V.T.V.M. SENSITIVE, COMPACT, ACCURATE, STABLE

Range: 0-6, 30, 120, 600 V (RMS)
 0-17, 85, 340, 1.7KV (P-P)
 Accuracy: +4% of full scale (AF)
 Response: 30 cps - 6M cps.
 DC VOLTMETER:
 Range: 0-6, 30, 120, 600 V.
 Accuracy: + 3% of full scale.
 Input impedance: 11 meg Ohms
 OHMMETER:
 Range: Rx1, 100, 10K, 1 Meg, from 0.2 ohms to 1,000 Meg Ohms.
 Accuracy: +3% of scale at indicating angle.

INDICATOR:
 Micro Ammeter: 100 uA of full scale; Moving Coil type.
MAIN VOLTAGE:
 117 V AC, 50 - 60 cycles.
 For Ohmmeter: Standard 1.5V "D" cell battery provided. (Monarch DB-1D)
ACCESSORIES: AC-DC measuring probe with switch, test lead, and attached AC connecting cord.
 Tubes: (1) 12AX7, (2) Selenium Rectifiers.

NO. MT-750

AC-DC PROBE ALONE..... **NO. MTP-12**



RC MULTI-SUBSTITUTION BOX

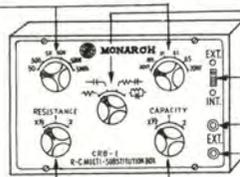
RESISTANCE VALUES :
 25, 50, 100, 250, 500, 1K, 2.5K, 5K, 10K,
 25K, 50K, 100K, 250K, 500K, 1M, 2.5M, 5M, 10M.
CAPACITANCE VALUES :
 50, 100, 200, 500 mmf; .001, 1002, .005,
 .01, .02, .05, .1, .25, .5, 1, 10, 20, 40 mfd.

A versatile substitution box permitting the substitution of 18 resistance values and 17 capacitance values or any combination of resistance and capacitance in either series or parallel. Tolerance: 10% (resistors & capacitors) Rating: Resistors - 1 watt condensers - 600 wv except 10, 20 & 40 mfd @ 450wv

MODEL NO. CRB-1

Selector Switch :
 Selects the values of the self-contained resistance and/or capacitance.

Multiplier Switch :
 Multiplies the self-contained values of R and/or C respectively by \pm , 1 or 2 times.



Function Switch :
 Permits selection of any resistance alone, any capacitance alone, or any combination of resistance and capacitance in either series or parallel.

Binding Posts (polarized) :
 Facilitates a quick, convenient, solderless, direct substitution of any R or C outside of the self-contained values, in which case throw the slide switch into the "EXT" position.

S.W.R. BRIDGE AND FIELD STRENGTH METER.



An excellent combination unit for either home station or mobile use... as an accurate Standing Wave Bridge and a sensitive Field Strength Meter. 52 Ohm impedance. Will take a full kilowatt and can remain in the line all of the time.

Grey metal case, 5 1/4" H x 1 1/4" W x 2 1/4" D, with standard fittings, 1 5/8" Bright-vue meter, and detachable, telescoping antenna which extends to 10 3/4". With instructions and schematic.

NO. FSI-3

R.F. FIELD STRENGTH METER

SINGLE BAND 1 to 250 mc.

A compact, sensitive indicator for checking antenna efficiency, load matching, etc. Requires no battery or other power source. RF is measured on an accurate clear plastic meter. Telescoping antenna extends to 10 3/4". Earphone jack is provided for monitoring. Bottom of case contains a powerful magnet to grip on fender, etc. Size: 2 3/16" x 3 3/16" x 1 9/16".



NO. FSI-1

BANDSWITCHING FIELD STRENGTH METER

FOUR BAND 1.6 to 150 mc.

An important improvement over other field strength meters — broad tuning that covers a range from 1.6 to 150 MC in four bands. A: 1.6 to 5.5, B: 5.5 to 18, C: 18 to 50, D: 50 to 150 MC. Accuracy: $\pm 10\%$ Can be used as a sensitive field strength meter or frequency checker. Detects undesired radiation or spurious frequencies. Compact, sturdy case has a magnet for attachment to metal surfaces; car hood, fender, etc., leaving hands free. Fitted with a telescoping antenna which extends to 10 3/4". Size: 2 3/16" by 3 3/16" by 1 9/16". Packed with instruction sheet.



NO. FSI-2

GENERATOR NOISE FILTER

FOR AMATEUR AND CITIZENS BANDS
10 - 11 - 15 & 20 Meters

Reduces generator noise for better S/N ratio, thereby increasing the range of the receiver. Frequency range from 3 to 30 mcs; maximum current; 25 amps. A high-Q parallel tuned circuit which is inserted in series with the auto generator armature output and fitted with a trimmer capacitor for fine frequency adjustment. Trimmer capacitor may be shunted with a 220 mmf capacitor for frequencies between 5 and 7 mcs., and with either a 0.001 or a 1000 mmf capacitor for frequencies between 3 and 5 mcs. Entire cone is moisture sealed and wound with heavy No. 12 wire. Complete with instructions.

NO. GNF-1

DYNAMIC COMMUNICATIONS MIKE

A PRESTIGE HAND MIKE
BUILT FOR QUALITY,
LONG LIFE PERFORMANCE
UNDER RUGGED DUTY!

Hams and C.B.'ers who like the very best in hand mikes will love this new Monarch Model. Designed especially for voice with an output of -52db. Contained in a heavy die-cast, brushed metal case with push-to-talk switch. Comes complete with 4-wire curly-cord, mounting bracket and mounting screws.



NO. TM-19



MINIATURE RESISTORS

5% AND 10% ACCURACY

IN CONVENIENT INDEX CARD PACK

Standard index card packs of five resistors. Each card coded by color and each has the R.E.T.M.A. color code printed on it.

(ALL BULK RESISTORS FORMERLY CARRIED STOCK HAVE BEEN DISCONTINUED)

COLOR CODE BANDS ARE 5% & 10% R.E.T.M.A. STANDARD. LEADS ARE TINNED COPPER

5%		1/10 WATT ONLY		(values in ohms)		Order No. RC-1/10P				
10	39	150	560	2.2K	8.2K	33K	0.12M	0.47M	1.8M	7.5M
11	43	160	620	2.4K	9.1K	36K	0.13M	0.51M	2.0M	8.2M
12	47	180	680	2.7K	10K	39K	0.15M	0.56M	2.2M	9.1M
13	51	200	750	3K	11K	43K	0.16M	0.62M	2.4M	10.0M
15	56	220	820	3.3K	12K	47K	0.18M	0.68M	2.7M	11.0M
16	62	240	910	3.6K	13K	51K	0.20M	0.75M	3.0M	12.0M
18	68	270	1K	3.9K	15K	56K	0.22M	0.82M	3.3M	13.0M
20	75	300	1.1K	4.3K	16K	62K	0.24M	0.91M	3.6M	15.0M
22	82	330	1.2K	4.7K	18K	68K	0.27M	1.0M	3.9M	16.0M
24	91	360	1.3K	5.1K	20K	75K	0.30M	1.1M	4.3M	18.0M
27	100	390	1.5K	5.6K	22K	82K	0.33M	1.2M	4.7M	20.0M
30	110	430	1.6K	6.2K	24K	91K	0.36M	1.3M	5.1M	22.0M
33	120	470	1.8K	6.8K	27K	0.1M	0.39M	1.5M	5.6M	
36	130	510	2K	7.5K	30K	0.11M	0.43M	1.6M	6.2M	

10%		1/2 WATT		(values in ohms)	
10	180	3.3K	56K	1.2M	
12	220	3.9K	68K	1.5M	
15	270	4.7	82K	1.8M	
18	330	5.6K	100K	2.2M	
22	390	6.8K	120K	2.7M	
27	470	8.2	150K	3.3M	
33	560	10K	180K	3.9M	
39	680	12K	220K	4.7M	
47	820	15K	270K	5.6M	
56	1K	18K	330K	6.8M	
68	1.2K	22K	390K	8.2M	
82	1.5K	27K	470K	10M	
100	1.8K	33K	560K	12M	
120	2.2K	39K	680K	15M	
150	2.7K	47K	820K	18M	
			1M	22M	

For 1/2 WATT ...
Order No. RC-1/2P

For 1 WATT.....
Order No. RC-1P

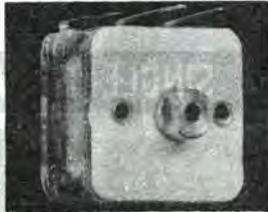
For 2 WATT.....
Order No. RC-2P



VARIABLE TUNING CONDENSOR

Standard 365 mfd, single gang, poly-varicon condenser with a 1 1/4" clear plastic serrated dial with silver numerals. 1" square, 1/2" deep. Shaft size: 1/4". For RF-Transistor use.

NO. CV-100



MINIATURE 2-GANG VARIABLE CONDENSOR

Maximum Capacity: Antenna...148.1 uuf; Oscillator: 65.2 uuf. Trimming capacity—Effective variable capacitance more than 6 uuf. Completely enclosed in clear poly-ethelene case.

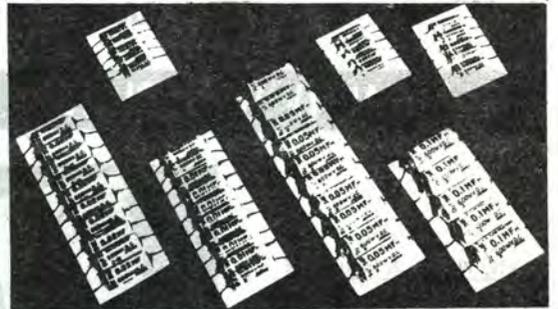
NO. CV-200



MINIATURE VOLUME CONTROL

With SPST switch and knob. 11/16" in diameter with a 1/4" shaft.

5K... No. VCS-100-5
10K... No. VCS-100-10
500K... No. VCS-100-500
1 Meg. No. VCS-100-1M



PORCELAIN CONDENSOR KIT 50 PIECES 600 W/V/DC

A top-quality assortment of 50 pieces, 7 values, with long tinned leads on sturdy stock for ease of handling and display. Carded as follows: 5 pieces—0.1 mfd, 10 pieces each—0.01, 0.02, 0.05 mfd, and 5 pieces each—0.001 and 0.005 mfd.

NO. CRK-100



MINIATURE TRANSFORMERS FOR TRANSISTORS

With the trend toward miniaturization of pocket radios, hearing aids, test equipment, etc., transformers for transistors have become extremely popular. These tiny efficient units average less than 1/2 ounce in weight and measure slightly over 1/2 inch square. All cores are hydrogenized super-permalloy, cold rolled for extremely fine characteristics. Coils are of synthetic enamelled wire uniformly wound on special automatic winding equipment. A newly developed insulating material assures utmost moisture-proofing and minimum decay. All are manufactured under strictest quality control for uniformity in characteristics.

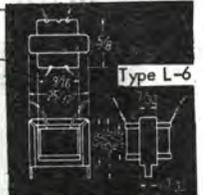
INPUT

Stock No.	Impedance (Ohms)		DC Resistance (Ohms)		Ratio
	Primary	Secondary	Primary	Secondary	
LT-42A	15K	1K	1099	145	3.87 : 1
LT-43A	10K	1K	891	149	3.16 : 1
LT-52A	15K	2K*	981	192	2.74 : 1
LT-55A	8K	1K*	775	150	2.80 : 1
LT-56A	8K	2K*	817	208	2 : 1
LT-58A	5K	2K*	693	168	1.58 : 1
LT-60A	2K	1K*	278	107	1.91 : 1

OUTPUT

Stock No.	Primary	Secondary	DC Resistance (Ohms)	Ratio	Type	Output Power
LT-700	1.2K*	3.2	44.2	0.2	10.40:1	T-9 200 MW
LT-740	600 *	3.2	25.9	0.2	13.65:1	T-9 200 "
LT-770	300 *	3.2	13.2	0.2	9.70:1	T-6 500 "
LT-780	200 *	3.2	8.8	0.2	7.90:1	T-6 500 "

*INDICATES CENTER TAP. DC RESISTANCE ± 10 %



Type L-6

PARTS



TV HI-PASS FILTER

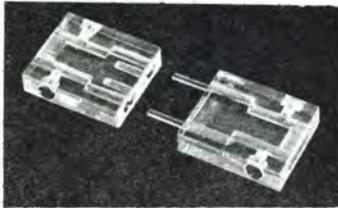
An extremely popular item with all city-dwelling TV users. Eliminates interference from most common causes: radio transmitters, industrial equipment, diathermy equipment, etc., etc. Quick and easy to install on any Television set. Display packaged for rack sales in clear plastic with colorful, attention-getting, two-color folder top.

NO. HPF-300



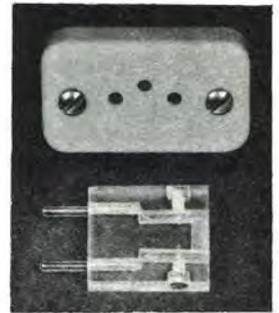
TV ANTENNA CONNECTORS

Plug and Jack set for 300 Ohm Television or FM antenna leads. Carefully formed of clear lucite with chromed metal parts. Constant impedance. Measures only 1" x 7/8".



NO. ANC-20

2-conductor molded socket for 300 Ohm leads - Television or FM - with clear lucite mating jack. Designed to provide a convenient wall source and eliminate unsightly wire messes. Packaged in plastic envelope with mounting screws.

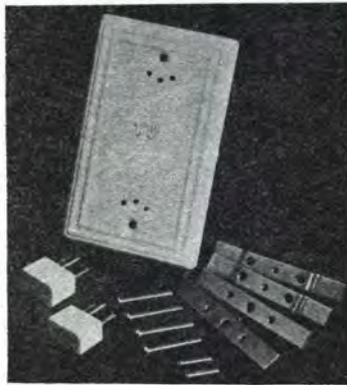


NO. WPS-12

DUAL TV WALL PLATE

PLATE, PLUGS, & HARDWARE

Standard size wall plate (2 3/4" x 4 5/8") of ivory plastic for 300 Ohm leads...TV or FM. Fits all standard outlet boxes. Packaged in clear plastic with two plugs, hardware and instructions.

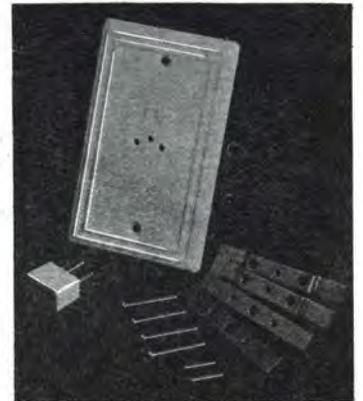


NO. WPS-30

SINGLE TV WALL PLATE

PLATE, PLUG & HARDWARE

Standard size wall plate of ivory plastic for 300 Ohm leads- Television or FM. Fits all standard outlet boxes. Packaged in clear plastic with plug, hardware, and instructions.



NO. WPS-15

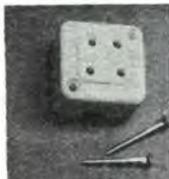
TELEPHONE PLUG



Ivory plastic telephone plug with convenient gripping flanges and instructions.

NO. TEL-1

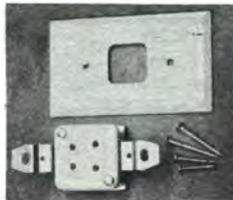
TELEPHONE JACK



Surface mounting telephone jack of ivory plastic. With mounting screws and instructions.

NO. TEL-2

TELEPHONE WALL PLATE



Wall plate and jack of ivory plastic for surface of built-in installation. With mounting bracket, screws, and instructions.

NO. TEL-3

DUAL CONTROL REMOTE SPEAKER FOR RADIO AND TV

A miniature extension speaker in a colorful plastic case with independent controls for its self-contained speaker and the main speaker in any radio, TV, phonograph, etc. With leads and instructions.



NO. DRC-1

PARTS

10,000 VOLT
INSULATED
HANDLES



LINEMAN'S SIDE CUTTERS.

Standard finish with shockproof vinyl covered handles. 5 inches in length. NO. TL-243-5.

LINEMAN'S SIDE CUTTERS.

Standard finish with shockproof vinyl covered handles. 6 inches in length. NO. TL-243-6.

LINEMAN'S SIDE CUTTERS.

Standard finish with shockproof vinyl covered handles. 7 inches in length. NO. TL-243-7.

LONG SHANK DIAGONAL CUTTERS.

Chrome finish with shockproof vinyl covered handles. 6 inches in length. NO. TL-652-6.

LONG SHANK BEVEL-NOSE PLIERS.

Chrome finish with shockproof vinyl covered handles. 6 inches in length. NO. TL-654-6.

NEW ANGLE SIDE CUTTERS.

High temper, chrome finish, precision cutting edge and shockproof vinyl covered handles. 5 inches in length. NO. TL-704-5. 6 inches in length. NO. TL-704-6.

DIAGONAL CUTTER-STRIPPER. Chrome finish with precision cutting edge, wire stripping holes and insulated handles. 5 inches in length. NO. TL-709-5. 6 inches in length. NO. TL-709-6.

STANDARD LONG-NOSE CUTTERS. Chrome finish, precision cutting edge, insulated handles. 5 inches in length. NO. TL-715-5. 6 inches in length with knurled grippers. NO. TL-715-6.

LONG NOSE STRIPPER-CUTTER. Precision cutting edge, wire stripping holes and insulated handles. 6 inches in length. NO. TL-718-6.

LONG SHANK PLIERS-CUTTERS. Chrome finish, precision cutting edge and insulated vinyl handles. 6 inches in length. NO. TL-720-7.



TUBE PULLERS



Monarch's precision formed tube extractor with handy, angle nose insulated grippers. Makes tube removal easy and keeps hands from hot tubes. Plastic insulated handles and nose tips. Designed for low chassis extractions.

NO. TP-1A



Convenient tube extractor by Monarch, precision formed of nickel-plated brass. Plastic insulated gripper tips and handles keep hands free from hot tubes. Scissor grip action permits easy removal of tubes from television or radio sets. Expressly designed for straight pull removals.

NO. TP-2S

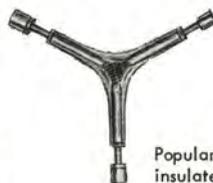
**PHILLIPS TYPE
SCREW
DRIVER**



Sturdy, convenient size driver designed for highest leverage. Manufactured of fine steel and insulated with plastic. Fits 3 different size phillips heads.

NO. PSD-100

**TRIPLE
HEX
WRENCH**



Popular "Sampson-Grip" type insulated plastic center grip. 6" overall length, with 1/4", 3/8", and 5/16" sockets.

NO. PSD-103

**BLADE
SCREW
DRIVER**



"Sampson-Grip" type with chromed screwdriver blades and insulated plastic center. Small, medium, and large blades.

NO. PSD-102

PARTS



An ever-popular item with an unlimited market... every technician, serviceman, student, engineer, hobbyist, and superintendant needs one. This is the improved version of the original design. Fitted with two magnifying lens which look down into a calibrated measuring field. Heavy black plastic head with plated body which holds two standard "C" flashlight batteries. Supplied less cells.

NO. ML-102



**JEWELER'S
TOOL
KIT**

Miniature jewelers tools which are in great demand by technicians and servicemen since transistorized units have become so popular. Kit consists of six finely crafted drivers of tempered steel mounted in a free-turning barrel with serrated top grip. Blades range from 1/24" to 3/32". Fitted into a clear case of tough plastic - with security snap.

NO. JK-6

**CHASSIS
PUNCH
KIT**



11 piece chassis punch set of carefully machined top-grade steel. Consists of five of the most popular size punches : 1/2", 5/8", 3/4", 1" and 1 1/8"; complete with gripper and accessories. Contained in a tough plastic carrying case with zipper and handle.

NO. CP-110

VERNIER DIALS



8:1 RATIO precision vernier dials with a heavy black bakelite base and nickel-silver dial plates with deeply etched, clearly legible scales. Moulded knob with fluted grip. Internal parts of phosphor bronze and brass for long-life dependability. Calibrated 0 to 100 in 180° rotation. For front panel mounting. Choice of four sizes.

- 1 1/2" diameter. No. DL3-1.5
- 2" diameter. . . . No. DL3-2
- 2 7/8" diameter. No. DL3-2.75
- 4" diameter. . . . No. DL3-4

POCKET MAGNIFIERS



Fine, clear magnification with large four power lens 1 3/4" in diameter. Folds into plastic pocket case.

NO. 4007



Three 1" diameter lens of 3 power which multiply when used together. Lenses swing into small plastic holder.

NO. 4014

PLASTIC ELECTRIC TAPE

POLYVINYL TAPE WITH A DIELECTRIC STRENGTH OF V-12,000 AND TENSILE STRENGTH OF 15 LB/INCH WIDTH. FLEXIBLE, WATERPROOF, AND RESISTANT TO OIL, ALKALI, SUNLIGHT, ETC. Individually wrapped in cellophane to insure freshness, and packed 10 pieces in a bright display carton. Choice of black or grey.

66 foot rolls, 3/4" wide, black or grey... **NO. TA-100**

33' rolls, 3/4" wide, black or grey..... **NO. TA-101**



ASSORTED COLORS IN ONE DISPLAY CARTON

10 rolls of 33 ft. x 3/4" in assorted colors

Black, red, dark blue, sky blue, brown, grey, orange, green, yellow, and white.

NO. TA-102



POPULAR COMBINATION FOR OFFICES, SHOPS, STUDENTS, AND HOBBYISTS. ONE EACH OF SIX COLORS, IN ROLLS 8 FEET LONG, 1/2 INCH WIDE, IN CONVENIENT DISPLAY AND STORAGE CARTON OF CLEAR PLASTIC. Carton keeps tape adhesive fresh and vibrant; permits display to attract passing customer.

NO. TA-106

5 AMP VOLTAGE REGULATOR

Provides continuously adjustable voltage from AC power lines over a range from zero to above line voltage. Rated at 5 amp. Fully enclosed in heavy metal case with black crackle finish. With large bakelite knob and two color dial. Rugged construction throughout.



NO. VR-5

AUTOMATIC WIRE STRIPPER

Fully automatic wire-stripper with a concealed cam for delayed action to prevent crushing of wire. Ground tool steel blades neatly strip insulation from wires size 12 to 22.



NO. WS-1

LOOPSTICK ANTENNA



Standard broadcast, hi-gain variable; to replace larger loop in older radios or direct replacement in new radios. Adjustable, completely non-directional; has exceptionally high "Q" and very high gain. 2 3/4" length.

NO. LS-1

FERRITE ANTENNA

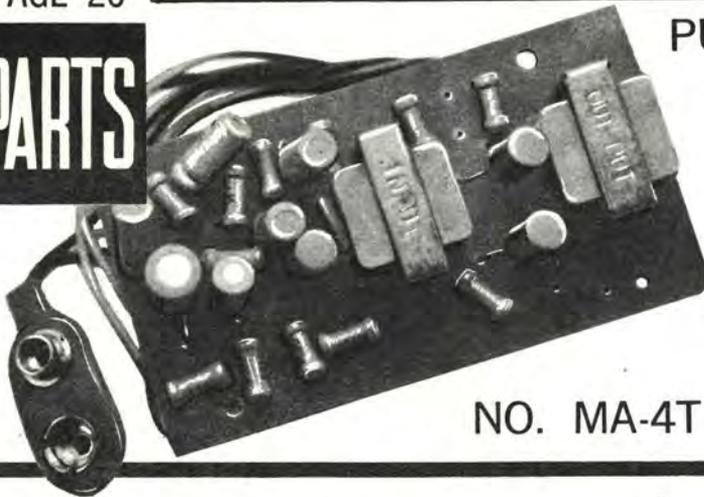


With adjustable, sliding loop for correct tracking and simplification of installation. Measures 3 5/16 inches in length and 11/16 inches in width. Only 1/8" thick. For replacement and construction.

NO. FA-430

4-TRANSISTOR SUBMINIATURE AUDIO AMPLIFIER

PARTS



NO. MA-4T

**PUSH-PULL - 100 MW OUTPUT
PRINTED CIRCUIT BOARD
- COMPLETELY WIRED!**

A TERRIFIC ITEM FOR EXPERIMENTERS AND HOBBYISTS!

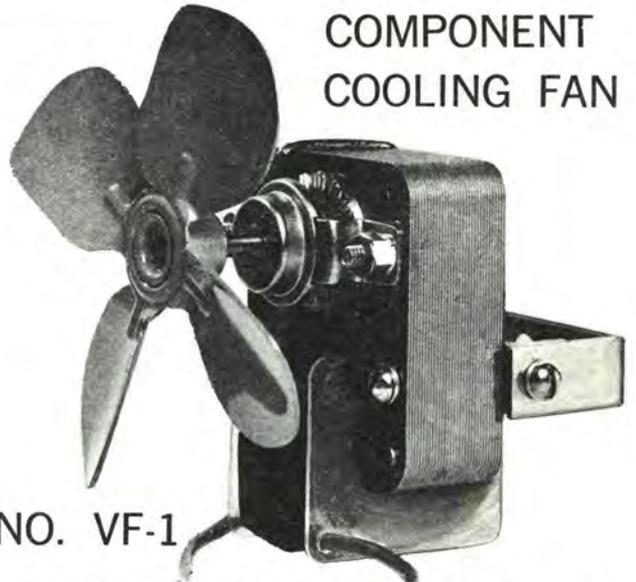
Tiny, only 3" x 1 9/16" x 11/16", to make possible mounting inside many sub-miniature units...phonos, tape recorders, etc., etc. Two stages of audio are followed by a push-pull output stage designed to deliver 100 Mw to an 8-11 ohm impedance. The low impedance input has a sensitivity of 0.9 mV. An input transformer for matching high impedances may be added. Complete with leads for input, speaker, battery clips and volume control/ on-off switch. Requires 1 9-v battery.



**CERAMIC
MIKE
WITH CURLY-CORD**

A sturdy hand mike of die-cast metal to withstand the most rugged useage and a most convenient hanging attachment on the front grille so the unit can be grasped and used immediately without turning around in the hand. High impedance with response from 80 to 7,000 cps. Output level -54db. With push-to-talk switch, mounting bracket, and a heavy duty curly-cord.

NO. MC-IX



**COMPONENT
COOLING FAN**

NO. VF-1

A miniature ventilating fan for cooling all types of electronic components; Amplifiers, Tuners, Citizen Band Ham Gear plus any other units which perform better and last longer when properly cooled. Has 3 inch blade, oilite type bearings and universal mounting bracket. Uses very little current and runs very, very quietly. There's a multitude of uses for it.

SHALLOW DEPTH HI-FIDELITY SPEAKERS

Beautifully made high fidelity speakers with heavy die-cast frames for low resonance and large magnets of high flux density to faithfully reproduce the full range of sound from low bass tones to brilliant highs in the 13,000 to 14,000 cps ranges. Designed for use in standard enclosures or, if desired, may be mounted inside the walls of home or office without a loss of bass tones. Our long experience in the field plus improved die-casting methods permit us to offer these truly fine sound reproducers at a fraction of the price others ask for comparable units.



8" WIDE RANGE

Frequency Response..... 45-13,000 cps.
Resonant Frequency..... 65 + 10 cps.
Total Flux..... 85,000 max.
Power Capacity..... 15 Watts.
Power Capacity (peak)..... 25 Watts
V.C. Impedance..... 16 Ohms
Depth..... 3 9/32 in.
Diameter..... .8 inches.

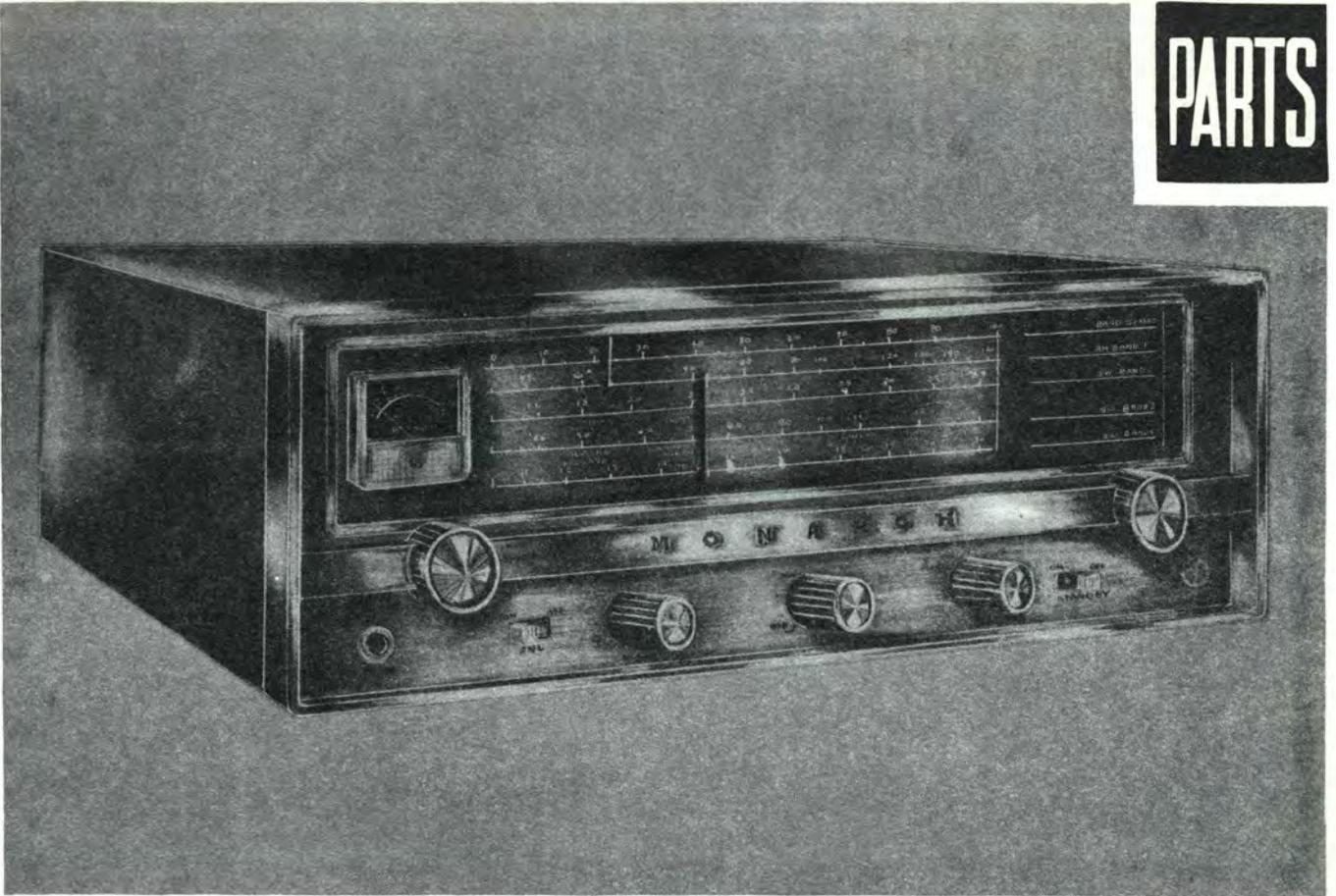
NO. SP-8S



12" WIDE RANGE

Frequency Response..... 30-13,000 cps.
Resonant Frequency..... 45 +10 cps.
Total Flux..... 85,000 max.
Power Capacity..... 20 Watts.
Power Capacity (peak)..... 40 Watts.
V.C. Impedance..... 16 Ohms.
Depth..... 3 39/64 in.
Diameter..... 12 1/4 inches.

NO. SP-12S



535 KC TO 30 MC – POWER-PACKED SUPERHET CIRCUIT – SLIDE RULE TUNING DIAL WITH BAND SPREAD AND “S” METER

A brilliant new Communications receiver with all of the latest, most-wanted features to assure its immediate acceptance and priced to attract the budget minded operator. Features an easy-to-read "S" meter on the precision slide-rule tuning dial, a calibrated Band Spread, AVC Noise limiter, BFO, Stand-by switch with terminal for transmitter, powerful built-in antenna for long

range reception, Phone Jack, and a big PM speaker. All contained in a decorator designed cabinet of durable metal in an eye-pleasing combination of colors. The smart front panel is of brushed aluminum with chromed ornamental strips. 13 3/4" wide, 5 1/4" high, 8 3/4" deep. A beautiful, efficient unit certain to gain immediate popularity!

SPECIFICATIONS

FREQUENCY RANGE:	Band 1: 535 KC - 1,605 Kc Band 2: 1.6 Mc - 4.8 Mc Band 3: 4.8 Mc - 14.5 Mc Band 4: 11 Mc - 30 Mc
BAND SPREAD:	0- 100 Calibrated.
OUTPUT POWER:	1.5 Watts maximum.
SPEAKER:	4 inch, permanent dynamic.
FEATURES:	Built-in "S" Meter, AVC Noise limiter, BFO, Phone Jack, Band Spread for accurate tuning, slide rule dial, Stand-by Switch, High Sensitivity built-in antenna,

NO. HAM-1

PARTS

- ★ "TOUCH" ADJUSTMENTS FOR TENSION !
- ★ "TOUCH" ADJUSTMENTS FOR CONTACTS !
- ★ THREE-FREQUENCY BUZZER !
- ★ BINDING POSTS FOR HEADSETS !

An excellent low-cost training key for all students of code. The wide flat base resists sliding and provides stable foundation for use on any surface. Sturdy key is adjustable for both tension and contact clearance to fit any individual "touch"; can be "personalized" in a matter of minutes. Buzzer also has a three-way adjustment...adjusts for high, medium or low frequency to suit the individual need, and locked in position to assure constant operation at frequency desired. Two binding posts are provided on the base for use with a headset. Needs only one 1 1/2 volt standard battery for power. Base measures 6 3/4" x 2 3/4" x 1 3/8" in depth. Less battery.



NO. KY-100

STANDARD BALL-BEARING SPEED KEY



AMAZING QUALITY AT AN UNBELIEVABLE PRICE !

A sturdy "beginners" unit designed for long-life and satisfaction! Has many features of more expensive units: coil-silver contacts, spring bearings, simple adjustments, and smooth, indented bakelite "touch" knob on nickel plated arm; mounted on a sturdy, moulded bakelite base with pre-punched mounting holes.

NO. KY-104

BARGAIN "STUDENT" SPEED KEY



STANDARD PRECISION-BUILT TELEGRAPH KEY with smooth, velvet action for code practice and use with transmitters. Eight ball bearings supporting the key are completely adjustable for friction. Contacts are 1/8" pure silver and are also easily adjustable for contact spacing and tension. Heavy brass base is drilled for easy mounting.

NO. KY-103

COMPLETE TWO-STATION CODE KIT



A TWIN-KEY SET...EACH WITH MULTIPLE "TOUCH" ADJUSTMENTS AND THREE-FREQUENCY BUZZERS. KIT COMPLETE WITH MORSE CODE CHARTS, INSTRUCTIONS AND 50 FEET OF HOOK-UP WIRE !

A convenient set of keys, buzzers, and wire which has gained wide acceptance with code groups, scouts, amateurs, etc. Key is easily adjustable for "touch" for both tension and contact for personalization; buzzers have a 3-way adjustment for high, medium and low frequencies and may be locked in position for consistent performance. Heavy black plastic base-wide and flat for stable operation on any flat surface; measuring 6 3/4" x 2 3/4" x 1 3/8". Individual key sets operate with only one standard 1 1/2 volt flashlight cell which fits into clips on base. Less batteries.

NO. KY-200

SPEED-MASTER BUG

- * PRECISION BUILT.
- * PROFESSIONAL TYPE.
- * SEMI-AUTOMATIC
- * 8 TENSION AND SPEED ADJUSTMENTS.
- * ADJUSTS UPWARD FROM 10 WORDS PER MINUTE.
- * TRANSPARENT DUST COVER.



A precision, professional "bug" for all CW operators! Semi-automatic, and can be adjusted upward from 10 words per minute and the eight tension and speed adjustments make possible extreme sensitive adjustments to conform to the variations of the individual "fist". The heavy black plastic case is fitted with suction cups to prevent damage to surfaces and minimize sliding while in operation. Precision constructed with finest metals and tempered steel springs. Complete with cord, tension wedges, and transparent dust cover.

NO. KY-102

BUZZER

Gives clear, steady signals for code practice or Ham equipment. Volume and pitch can be controlled by screw adjustment. Requires only one 1 1/2 volt battery for power.



NO. BZ-100



MONARCH CATALOG 64

CONSUMER

CONFIDENTIAL DISTRIBUTOR PRICE LIST

NO. 75

EFFECTIVE MAY 1, 1964

PRICES F.O.B.
NORTH HOLLYWOOD, CALIFORNIA

MINIMUM ACCEPTABLE ORDER \$25.00

Model Number	Description	Colors	Page	Case Pk.	Case Wt.	Price
PORTABLE TRANSISTOR RADIOS						
RE-606	6 Transistor.....	Blk.....	1	48	42	\$ 4.90
RE-612	6 Transistor.....	Blk/ivory/red	2	36	33	\$ 5.40
RE-808	8 Transistor.....	Rd/gry-blk/gr	3	48	60	\$ 6.15
RE-888	8 Transistor.....	Blk / Red....	4	36	42	\$ 7.15
RE-10	10 Transistor.....	Blk/Gold....	5	36	39	\$ 8.50
RE-1010	10 Transistor.....	Blk/sil-Br/gld	6	12	39	\$13.90
RE-760	6 Transistor.....	Blk/ivory....	13	12	39	\$ 8.60
RE-1050	10 Transistor.....	Blk/leather..	14	12	42	\$13.35
RE-3B	AM/SW1/SW2...	Brn/chrome..	7	12	42	\$24.45
RE-3MB	AM/SW1/marine.	Brn/chrome..	7	12	42	\$24.45
RE-105B	5 Band w/marine.	Blk/chrome..	8	10	70	\$34.25
RE-1200	9 Trans AM/FM..	Blk/silver...	9	-	-	\$16.45
RE-1250L	9 Trans AM/FM..	Br. leather/gld	9	-	-	\$20.35
RE-1700	11 Trans AM/FM.	Blk.....	12	6	32	\$24.20
RE-1400	11 Trans AM/FM.	Blk/leather..	10	6	-	\$37.60
RE-1500	AM/FM/3 SW'S.	Teakwood....	11	6	55	\$54.60

TABLE MODEL TUBE RADIOS

RE-5-1	5 Tube AM.....	6 Telephone..	16	24	80	\$ 5.10
RE-520	5 Tube AM deluxe	Aqua/white..	17	12	40	\$ 8.20
RE-680	AM/FM/w/AFC..	Aqua/white..	18	12	40	\$14.65
SMX-50	AM/FM multiplex	Walnut.....	19	2	63	\$70.00
SMX-52	AM/FM multiplex	Walnut.....	20	2	63	\$74.65

TRANSISTOR TAPE RECORDERS

TR-404	4 Transistor.....	Ivory.....	21	16	52	\$ 8.50
TR-408	4 Tran w/rem/mic	Ivory/chrome	22	16	65	\$ 9.55
TR-555	4 Trpb/w/rem/mc	Gray.....	24	12	45	\$11.60
TC-501	5 Transistor.....	Ash / ivory..	23	12	45	\$10.25

AC PORTABLE TAPE RECORDERS

RT-200A	7" reel, portable..	Gray.....	25	2	40	\$38.35
RT-300	7 Trans 7" reel...	Cordov/gray	26	2	48	\$50.50
MB-555	AC/DC w/rem/mc	Blk.....	27	4	85	\$71.50

TRANSMITTER & TRANSCEIVERS

HAM-1	4-Band SW Rcvr	Blk/chrome	32	1	-	\$49.90
		(prices f.o.b. nearest whse)				(6 & up) \$46.00
TC-55	5 Tran Trcvr Pr..	Blk/gold.....	31	12	20	\$29.05
TOSHIBA	10 Tran Trcvr Pr..	Blk/chrome...	31	10	20	\$51.00
STX-1	2 Tran Wls Mike..	Gray.....	31	12	-	\$ 6.60 (12 & up) \$ 5.90

Model Number	Description	Colors	Page	Case Pk.	Case Wt.	Price
PHONOGRAPH						
P-30A	3-Speed AC port..	Cor/beige....	29	12	90	\$10.05
TRANSISTOR INTERCOMS						
IC-100	2-Station Set....	iv/6 tel colors	30	6	-	\$14.95 (6 & up) \$13.30
IC-1200	12-Sta. Master...	2-tone gray..	30	5	-	\$22.50 (12 & up) \$18.50

BATTERIES

DB-1.5	Penlight Cell....	.....	15	1000	49	.04 ¢
DB-1C	Standard "C" cell	.....	15	500	55	.06 ¢
DB-2D	Standard "D" cell	.....	15	500	90	.0725 ¢
DB-100	Standard 9 volt...	.....	15	500	70	.165 ¢

MISCELLANEOUS

SP-150	Extension Speaker	6 telephone..	15	5	-	\$ 2.75 (12 & up) \$ 2.50
TS-20	Tubular Ext. Spkr.	Gold/ivory...	15	30	35	\$ 1.45
AD-100A	Tape Head Demag.	Gray.....	28	5	-	\$ 2.45 (12 & up) \$ 2.25
AD-500	Tape Eraser.....	Gray.....	28	5	-	\$11.40
TRH-1	Tape Hldr. Pair..	Black Rubber..	28	10pr	-	\$ 0.40 (100 & up) \$ 0.30

RECORDING TAPE

Part No.	Description	Page	Pkd	1 to 144	144 & up
Z-1A	3" reel, 150 ft Acetate..	28	24	\$ 0.30	\$ 0.25
Z-3A	3" reel, 300 ft. Mylar..	28	24	\$ 0.65	\$ 0.55
Z-6A	600 ft. 1 1/2 mil Acetate	28	25	\$ 0.90	\$ 0.80
Z-12A	1200 ft. 1 1/2 mil Acetate	28	25	\$ 1.20	\$ 1.10
Z-18A	1800 ft. 1 1/2 mil Acetate	28	25	\$ 1.70	\$ 1.53
Z-9M	900 ft. 1 mil Mylar.....	28	25	\$ 1.14	\$ 1.02
Z-12M	1200 ft. 1 1/2 mil Mylar	28	25	\$ 2.03	\$ 1.83
Z-18M	1800 ft. 1 mil Mylar....	28	25	\$ 2.17	\$ 1.96
Z-24MT	2400 ft. 1/2 mil Mylar..	28	25	\$ 4.08	\$ 3.67
Z-12AM	1200 ft. Studio Mastering	28	25	\$ 1.87	\$ 1.68
Z-24AM	2400 ft. on NAB Reel....	28	25	\$ 5.43	\$ 4.98



CONFIDENTIAL DISTRIBUTOR PRICE LIST Effective May 1, 1964

Part No.	Description	page	pkd	shpg wt	price each	lot price	in lots of	suggested resale
ARC-1	Record Changer.....	7	S	8	\$17.45	\$16.95	6	\$29.95
CCX-25	Earphone Cord.....	10	S	1	\$ 1.60	\$ 1.45	12	\$ 2.95
ES-300	Stereo-Foam Headset..	10	S	2	\$ 8.95	\$ 8.50	12	\$16.95
ES-500	Co-axial Stereo Hdset.	10	S	2	\$14.00	\$12.00	12	\$21.95
FM-100	FM Tuner.....	4	S	8	\$30.00	\$28.00	6	\$39.95
FM-100X	Multiplex Tuner.....	4	S	10	\$45.00	\$42.50	6	\$74.95
JB-300	Junction Box.....	10	S	1/4	\$ 3.50	\$ 3.15	12	\$ 5.95
MAT-120	AM/FM Receiver.....	5	S	21	\$71.95	\$66.00	4	\$109.95
MD-3	Stereo Cartridge.....	7	S	1	\$ 8.25	\$ 7.50	6	\$14.95
MD-3B	Stereo Cart. (Bulk)...	7	12	1	-	\$ 5.50	36	\$10.50
MD-5	0.5 mil dia. needle...	7	S	1	\$ 3.75	-	1	\$ 7.50
MD-7	0.7 mil dia. needle...	7	S	1	\$ 3.75	-	1	\$ 7.50
MM-190	45 RPM spindle.....	7	S	1	\$ 1.20	-	1	\$ 2.95
MPX-2	Multiplex Adaptor....	5	S	10	\$28.00	\$24.50	4	\$46.50
SA-10	Stereo Amplifier.....	6	S	3	\$ 9.25	\$ 8.35	6	\$14.95
SA-30	Stereo Amplifier.....	6	S	15	\$44.50	\$42.20	6	\$69.95
SA-60	Stereo Amplifier.....	5	S	20	\$85.00	\$81.00	6	\$135.00
SA-614	Stereo Amplifier.....	6	S	10	\$24.00	\$22.00	6	\$39.95
SP-CR2	Speaker System.....	8	S	35	\$39.97	\$37.25	6	\$64.95
SP-CR3	Speaker System.....	8	S	35	\$49.90	\$48.00	6	\$79.95
SP-CR4	Speaker System.....	8	S	35	\$49.90	\$48.00	6	\$79.95
SP-8S	8" Shallow Speaker....	11	S	4	\$ 9.00	\$ 8.65	12	\$13.95
SP-12S	12" Shallow Speaker...	11	S	6 1/2	\$11.50	\$10.80	12	\$17.95
SP-80C	3-way Speaker System..	9	S	23	\$31.95	\$29.95	6	\$49.95
SP-114P	Spkr. System Pair.....	9	S	19 1/2	\$23.96	\$21.96	6	\$39.95
SP-117P	Spkr. System Pair.....	9	S	24	\$22.96	\$19.96	6	\$32.95
SP-120XX	12" Dual Twtr Speaker.	12	S	6 1/2	\$15.38	\$14.38	6	\$24.95
SP-123	12" 3-way Co-ax Spkr.	11	S	9	\$21.50	\$19.30	4	\$32.95
SP-300A	8" Full-range Speaker.	12	S	2 3/4	\$ 6.50	\$ 6.00	6	\$12.50
SP-803A	8" Triplex Speaker....	11	S	4 3/4	\$12.00	\$11.50	6	\$19.95
ST-60X	MPX Stereo Tuner.....	5	S	20	\$85.00	\$81.00	6	\$135.00
STA-100X	AM/FM MPX Receiver.	3	S	18	\$84.00	\$79.80	12	\$139.95
STA-300X	AM/FM MPX Receiver.	2	S	24	\$118.00	\$108.00	6	\$199.95
STA-400X	AM/FM MPX Receiver.	1	S	28	\$138.00	\$128.00	6	\$249.95
T-50	Horn-cone Tweeter...	12	S	1	\$ 2.78	\$ 2.50	12	\$ 4.95
TNT-1	Cone Tweeter.....	12	S	3	\$ 7.50	\$ 6.90	6	\$14.95
WB-1	Mounting Base.....	7	S	4	\$ 2.20	-	-	\$ 3.95
WB-2	Mounting Board.....	7	S	5	\$ 1.35	-	-	\$ 2.75

(Federal excise tax included on items where it is applicable)



MONARCH CATALOG 64

PARTS

CONFIDENTIAL JOBBER PRICE LIST

Note: Items shown within right margin brackets may be grouped with others in the same bracket to earn the quantity price discount.

Part No.	Description	Page	Pkd	Shpg wt lbs.	Price each	Lot Price	in lots of:
4007	1 3/4" Magnifier....	24	12	1	\$.20		
4014	1" Magnifier.....	24	12	3/4	\$.48		
AM-1	Audio Mixer.....	6	5	1/4	\$1.37	\$1.25	24
AM-2	Audio Mixer.....	6	5	1/4	\$1.37	\$1.25	24
AM-3	Audio Mixer.....	6	5	1/4	\$1.43	\$1.29	24
AM-4	Audio Mixer.....	6	5	1/4	\$1.48	\$1.34	24
ANC-20	Ant. Connector.....	22	5	40 to 1	\$.20	\$.17	100
BM-1	Power Megaphone...	5		7 1/4	\$29.75	\$28.50	4
BT-1	Battery Tester	19	5	1	\$ 5.95	\$ 5.65	6
BZ-100	Code Buzzer.....	28	5	1/4	\$.52	\$.48	24
CC-1	Cable Display Comb	13	5	30	\$27.00		
CC-2	Cable Display Comb	13	5	37	\$48.75		
CC-100	Test Lead.....	13	5	12 to 1	\$.60	\$.54	
CC-110	Patch Cord.....	13	5	1/4	\$.60	\$.54	
CC-310	Test Lead Set.....	18	5	10 to 1	\$.25	\$.23	24
CC-311	Test Leads.....	18	5	10 to 1	\$.25	\$.23	24
CC-312	Clip Test Leads.....	18	5	10 to 1	\$.25	\$.23	24
CC-520	Test Lead Set.....	18	5	1/2	\$.70	\$.65	25
CC-600	Hi Fi Cable Kit....	13	5	1/4	\$1.10	\$.98	100
CC-620	Patch Cord.....	13	5	8 to 1	\$.60	\$.57	100
CC-621	Patch Cord.....	13	5	6 to 1	\$.78	\$.69	100
CC-622	Patch Cord.....	13	5	6 to 1	\$.57	\$.54	100
CC-623	Patch Cord.....	13	5	6 to 1	\$.74	\$.62	100
CC-624	Patch Cord.....	13	5	6 to 1	\$.57	\$.54	100
CC-625	Patch Cord.....	13	5	7 to 1	\$.78	\$.68	100
CC-626	Patch Cord.....	13	5	8 to 1	\$.45	\$.39	100
CC-627	Patch Cord.....	13	5	6 to 1	\$.45	\$.39	100
CC-628	Patch Cord.....	13	5	6 to 1	\$.60	\$.57	100
CC-629	Patch Cord.....	13	5	7 to 1	\$.45	\$.40	100
CC-630-4	Patch Cord.....	13	5	10 to 1	\$.44	\$.39	100
CC-630-6	Patch Cord.....	13	5	8 to 1	\$.53	\$.48	100
CC-630-10	Patch Cord.....	13	5	6 to 1	\$.65	\$.58	100
CC-631-2	Patch Cord.....	13	5	20 to 1	\$.35	\$.31	100
CC-631-4	Patch cord.....	13	5	15 to 1	\$.42	\$.40	100
CC-631-6	Patch Cord.....	13	5	10 to 1	\$.45	\$.42	100
CC-631-10	Patch Cord.....	13	5	6 to 1	\$.54	\$.49	100
CC-632-3	Stereo Ext. Cord...	13	5	1/2	\$.78	\$.70	12
CC-632-6	Stereo Ext. Cord...	13	5	1/2	\$ 1.55	\$ 1.40	12
CC-2001	Curly Cord.....	9	5	1/4	\$1.30	\$1.17	12
CC-3001	Curly Cord.....	9	5	1/4	\$1.60	\$1.44	12
CC-4000	Curly Cord.....	9	5	1/4	\$1.90	\$1.71	12
CCX-25	Earphone Ext. Cord.	4	5	1/2	\$ 1.60	\$ 1.45	12
CP-110	Chassis Punch Set...	24	5	2	\$5.30	\$ 4.90	6
CRB-1	Substitution Box....	19	5	2 1/2	\$7.35	\$ 7.00	4
CRK-100	Condenser Kit.....	21	5	1/2	\$ 3.15	\$ 2.85	12
CV-100	Tun. Cond. & dial... 21	5	5	20 to 1	\$.50	\$.45	50
CV-200	Tuning Condenser... 21	5	5	20 to 1	\$1.10	\$.99	50
DH-105	Outdoor Speaker....	5	5	3 3/4	\$ 6.50	\$ 5.90	12
DH-110	Reflex Horn.....	5	5	4 3/4	\$11.90	\$11.15	12

Part No.	Description	Page	Pkd	Shpg wt lbs.	Price each	Lot Price	in lots of:
DL-3-1.5	Vernier Dial.....	24	5	10 to 1	\$.62		
DL-3-2	Vernier Dial.....	24	5	1/4	\$.70		
DL-3-2.75	Vernier Dial.....	24	5	3 to 1	\$.99		
DL-3-4	Vernier Dial.....	24	5	3/4	\$2.00		
DN-5	4-Way Crossover....	5	5	1 1/2	\$6.95	\$ 6.40	6
DRC-1	Duo-Remote Control.	22	5	1	\$3.25	\$ 2.95	12
ES-15	2Kohm Headset....	4	5	3 to 1	\$1.00		
ES-50	Pillow receiver....	4	5	12 to 1	\$ 1.00	\$.90	12
ES-51-2K	Earset	4	5	12 to 1	\$.45	\$.40	25
ES-51-8	Earset.....	4	5	12 to 1	\$.45	\$.40	25
ES-51-15	Earset.....	4	5	12 to 1	\$.45	\$.40	25
ES-300	Stereo Headset....	4	5	2	\$ 8.95	\$ 8.50	12
FA-430	Ferrite Antenna....	25	5	14 to 1	\$.48	\$.39	12
F51-1	Field Strength Meter	20	5	3/4	\$ 4.70	\$ 4.20	12
F51-2	Field Strength Meter	20	5	1/2	\$ 5.90	\$ 5.50	12
F51-3	S.W.R. and F.S.M.	20	5	1/2	\$ 8.00	\$ 7.50	12
GNF-1	Gen. Noise Filter..	20	5	1/2	\$ 1.73	\$ 1.65	12
HAM-1	Short Wave Rcvr....	27	5	24	\$49.90	\$46.00	6
HPPF-300	High Pass Filter....	22	24	24 to 2	\$.45		
JB-300	Junction Box.....	4	5	1/4	\$ 3.50	\$ 3.15	12
JK-6	Screwdriver Kit....	24	5	1/4	\$.68	\$.66	12
KY-100	Code Key.....	28	5	3/4	\$ 1.50	\$ 1.39	12
KY-102	Speed Master Key..	28	5	2 3/4	\$ 9.25	\$ 8.50	6
KY-103	Ball Bearing Key...	28	5	1/2	\$1.55		
KY-104	Student Key.....	28	5	1/4	\$.45		
KY-200	Code Key Set.....	28	5	1 1/2	\$ 2.90	\$ 2.50	12
LP-100	Monaural L-Pad....	6	5	6 to 1	\$1.05	\$.95	50
LP-200	Stereo L-Pad.....	6	5	6 to 1	\$1.70	\$ 1.53	25
LS-1	Loopstick Antenna..	25	5	32 to 1	\$.39	\$.29	24
LT-42A	Transistor Xfmr....	21	10	20-3/4	\$.65		
LT-52A	Transistor Xfmr....	21	10	20-3/4	\$.65		
(Values formerly listed are now in short supply or discontinued.)							
LT-700	Transistor Xfmr....	21	10	20-3/4	\$.65		
LT-770	Transistor Xfmr....	21	10	20-3/4	\$.80		
LT-780	Transistor Xfmr....	21	10	20-3/4	\$.80		
MA-4T	Trans. Audio Amp... 26	5	5	1/2	\$ 4.15	\$ 3.95	12
MB-100	Mic. Desk Stand... 9	5	5	3/4	\$1.40		
MC-1X	Ceramic Mic.....	26	5	1	\$ 4.50	\$ 4.15	12
MC-24	Crystal Mic.....	8	5	3/4	\$ 2.25	\$ 2.00	50
MC-40	Dynamic Mic.....	10	5	1/2	\$ 2.93	\$ 2.78	12
MC-50	Lapel Mic.....	10	5	8 to 1	\$ 1.96	\$ 1.80	12
MC-51	Contact Mic.....	9	5	1/4	\$.95	\$.88	12
MC-70	Crystal Mic.....	10	5	3/4	\$ 1.56	\$ 1.48	12
MC-90	Magnetic Mic.....	10	5	1/2	\$ 1.56	\$ 1.48	12
MC-100	Xtal Mic. Cartridge	10	5	20 to 1	\$ 1.10	\$.99	12
MC-105	Lapel Mic.....	10	5	10 to 1	\$ 1.45	\$ 1.35	12

Part No.	Description	Page	Pkd.	Shpg wt lbs.	Price each	Lot Price	in lots of:
MC-122	Xtal Mic.....	10	S	1/2	\$2.70	\$ 2.53	12
MC-131	Xtal Mic.....	9	S	1	\$3.30	\$ 2.95	12
MC-200	Small Mic. Cart....	10	S	4 to 1	\$.90	\$.85	12
MC-300	Dynamic Mic.....	10	S	3/4	\$4.31	\$ 3.88	12
MCG-1	Guitar Mic.....	9	S	1	\$5.35	\$ 4.95	12
MD-3	Stereo Cartridge....	11	S	1/2	\$ 8.25	\$ 7.50	6
MD-5	Diamond Needle	11	S	-	\$ 3.75		
MD-7	Diamond Needle....	11	S	-	\$ 3.75		
ML-102	Maglight.....	24	S	1/4	\$1.10	\$.99	48
MM-150	45 RPM Spindle....	11	12	12 to 2	\$.75	\$.65	24
MM-160	45 RPM Spindle....	11	12	12 to 2	\$.75	\$.65	24
MM-170	45 RPM Spindle....	11	S	12 to 6	\$2.00	\$1.80	24
MM-400	Mike Mixer.....	9	S	4	\$ 5.90	\$ 5.30	6
MM-800	Stereo Mike Mixer..	9	S	4	\$ 7.35	\$ 6.75	6
MT-2	Multitester.....	18	S	3/4	\$6.95	\$6.70	12
MT-200	Multitester.....	18	S	1 1/4	\$9.95	\$9.50	12
MT-220	Multitester.....	17	S	1 1/4	\$11.75	\$11.20	12
MT-222	Multitester.....	17	S	2	\$13.50	\$12.75	12
MT-750	V.T.V.M.....	19	S	5	\$26.90	\$25.40	4
MTC-1	Case for Multitesters.	18	S	6 to 1	\$ 1.10		
MTC-2	Case for MT-220....	17	S	6 to 1	\$ 1.10		
MTC-3	Case for MT-222....	17	S	1	\$ 1.75		
MTP-12	AC/DC probe.....	19	S	1/2	\$ 3.25	\$ 3.00	4
NPL-100	Neon Panel Light...	15	50	50 to 1	\$.30	\$.25	100
PA-200	Tone Arm & Cart....	11	S	1/4	\$ 1.80	\$ 1.60	25
PA-201	Tone Arm & Cart....	11	S	1/4	\$ 1.90	\$ 1.80	25
PA-300	Tone Arm, Plastic...	11	S	1/4	\$ 1.20	\$ 1.10	100
PA-301	Tone Arm, Plastic...	11	S	1/4	\$ 1.50	\$ 1.30	100
PG-100P	Sub. Min. Plug.....	14	50	1/2	\$.075		
PG-101P	Miniature Plug.....	14	50	1/2	\$.075		
PG-102P	Sub. Min. Plug.....	14	50	1/2	\$.075		
PG-103P	Miniature Plug.....	14	50	1/2	\$.075		
PG-104P	Sub. Min. Plug.....	14	50	1/2	\$.075		
PG-105P	Miniature Plug.....	14	25	1/2	\$.11	\$.10	100
PG-100J	Sub. Min. Jack.....	14	50	1/2	\$.075		
PG-101J	Miniature Jack.....	14	50	1/2	\$.075		
PG-102J	Sub. Min. Jack.....	14	50	1/2	\$.075		
PG-103J	Miniature Jack.....	14	50	1/2	\$.075		
PG-104J	Sub. Min. Jack.....	14	50	1/2	\$.075		
PG-105J	Miniature Jack.....	14	25	1/2	\$.11	\$.10	100
PG-150	Phone Plug Adapter..	14	25	1 1/2	\$.31		
PM-9	Panel Meter, Small..	16	S	1/4	\$ 2.30	\$ 2.05	12
PM-12	Panel Meter, Small..	16	S	1/4	\$ 2.30	\$ 2.05	12
PM-15	Panel Meter, Small..	16	S	1/4	\$ 2.30	\$ 2.05	12
PM-16	Panel Meter, Small..	16	S	1/4	\$ 2.30	\$ 2.05	12
PM-17	Panel Meter, Small..	16	S	1/4	\$ 3.85	\$ 3.50	12
PM-31	Panel Meter, Small..	16	S	1/4	\$ 2.30	\$ 2.05	12

Part No.	Description	Page	Pkd.	Shpg wt lbs.	Price each	Lot Price	in lots of:
PMC-1L	Panel Meter, Large..	16	S	1/2	\$4.00	\$3.65	12
PMC-2L	Panel Meter, Large..	16	S	1/2	\$3.25	\$2.95	12
PMC-3L	Panel Meter, Large..	16	S	1/2	\$3.10	\$2.75	12
PMC-4L	Panel Meter, Large..	16	S	1/2	\$3.10	\$2.75	12
PMC-5L	Panel Meter, Large..	16	S	1/2	\$2.65	\$2.40	12
PMC-6L	Panel Meter, Large..	16	S	1/2	\$2.65	\$2.40	12
PMC-7L	Panel Meter, Large..	16	S	1/2	\$2.65	\$2.40	12
PMC-8L	Panel Meter, Large..	16	S	1/2	\$2.65	\$2.40	12
PMC-9L	Panel Meter, Large..	16	S	1/2	\$2.65	\$2.40	12
PMC-10L	Panel Meter, Large..	16	S	1/2	\$2.65	\$2.40	12
PMC-11L	Panel Meter, Large..	16	S	1/2	\$2.65	\$2.40	12
PMC-12L	Panel Meter, Large..	16	S	1/2	\$3.10	\$2.75	12
PMC-13L	Panel Meter, Large..	16	S	1/2	\$2.65	\$2.40	12
PMC-14L	Panel Meter, Large..	16	S	1/2	\$3.10	\$2.75	12
PMC-15L	Panel Meter, Large..	16	S	1/2	\$2.65	\$2.40	12
PMC-16L	Panel Meter, Large..	16	S	1/2	\$2.75	\$2.50	12
PMC-18L	Panel Meter, Large..	16	S	1/2	\$3.75	\$3.40	12
PMC-31L	Panel Meter, Large..	16	S	1/2	\$2.65	\$2.40	12
PMC-1S	Panel Meter, Small..	16	S	1/4	\$3.75	\$3.40	12
PMC-2S	Panel Meter, Small..	16	S	1/4	\$3.10	\$2.75	12
PMC-3S	Panel Meter, Small..	16	S	1/4	\$2.65	\$2.40	12
PMC-4S	Panel Meter, Small..	16	S	1/4	\$2.75	\$2.50	12
PMC-5S	Panel Meter, Small..	16	S	1/4	\$2.30	\$2.05	12
PMC-6S	Panel Meter, Small..	16	S	1/4	\$2.30	\$2.05	12
PMC-7S	Panel Meter, Small..	16	S	1/4	\$2.30	\$2.05	12
PMC-8S	Panel Meter, Small..	16	S	1/4	\$2.30	\$2.05	12
PMC-9S	Panel Meter, Small..	16	S	1/4	\$2.30	\$2.05	12
PMC-10S	Panel Meter, Small..	16	S	1/4	\$2.30	\$2.05	12
PMC-11S	Panel Meter, Small..	16	S	1/4	\$2.30	\$2.05	12
PMC-12S	Panel Meter, Small..	16	S	1/4	\$2.30	\$2.05	12
PMC-13S	Panel Meter, Small..	16	S	1/4	\$2.30	\$2.05	12
PMC-14S	Panel Meter, Small..	16	S	1/4	\$2.30	\$2.05	12
PMC-15S	Panel Meter, Small..	16	S	1/4	\$2.30	\$2.05	12
PMC-16S	Panel Meter, Small..	16	S	1/4	\$2.30	\$2.05	12
PMC-18S	Panel Meter, Small..	16	S	1/4	\$3.60	\$3.30	12
PMC-31S	Panel Meter, Small..	16	S	1/4	\$2.30	\$2.05	12
PMS-1L	"5" Meter - Large..	16	S	1/2	\$3.00	\$2.65	12
PMS-1S	"5" Meter - Small..	16	S	1/4	\$2.60	\$2.25	12
PRE-101	Preamplifier.....	12	S	1 3/4	\$4.45	\$4.00	12
PRE-202	Stereo Preamp.....	12	S	2	\$7.85	\$7.20	12
PSD-100	Phillips Screwdriver.	23	12	2 1/2	\$.42	\$.40	24
PSD-102	3-Way Screwdriver.	23	12	2 1/2	\$.45	\$.42	24
PSD-103	3-Way Socket.....	23	12	2 1/2	\$.65	\$.59	24
RAD-101	AM Panel Meter....	5	S	12 to 1	\$2.00	\$1.85	12
RAD-102	FM Panel Meter....	5	S	12 to 1	\$2.30	\$2.05	12
RAD-103	VU Panel Meter....	5	S	12 to 1	\$2.30	\$2.05	12
RAD-104	Balance Meter.....	5	S	12 to 1	\$2.30	\$2.05	12
RAD-105	Balance Meter.....	5	S	12 to 1	\$2.30	\$2.05	12
RB-1	Record Brush.....	11	S	40 to 1	\$.19	\$.18	50
RB-2	Record Brush.....	11	S	16 to 1	\$.35	\$.32	50
RC-1/10P	Resistor Pack.....	21	S	38 to 1	\$.47		
RC-1/2P	Resistor Pack.....	21	S	60 to 1	\$.18		
RC-1P	Resistor Pack.....	21	S	38 to 1	\$.27		
RC-2P	Resistor Pack.....	21	S	12 to 1	\$.47		
SP-1 3/4	Miniature Speaker... 3	S	10 to 1	\$.90	\$.81	100	
SP-2	Miniature Speaker... 3	S	6 to 1	\$.90	\$.81	100	
SP-2 1/4	Miniature Speaker... 3	S	5 to 1	\$.90	\$.81	100	
SP-2 1/2	Miniature Speaker... 3	S	5 to 1	\$.90	\$.81	100	
SP-2 3/4	Miniature Speaker... 3	S	5 to 1	\$.90	\$.81	100	
SP-3	Miniature Speaker... 3	S	4 to 1	\$.90	\$.81	100	

(Above miniature speakers are available in either round or square models. When ordering, please add the letter "R" for round, or "S" for square to the Part No.)

Part No.	Description	Page	Pkd.	Shpg wt lbs.	Price each	Lot Price	in lots of:
SP-4	4" Speaker.....	2	S	1/2	\$.65	\$.60	100
SP-5	5" Speaker.....	2	S	1	\$1.12	\$.99	12
SP-4X6	4"X6" Speaker.....	2	S	1	\$1.21	\$1.10	12
SP-5X7	5"X7" Speaker.....	2	S	1 1/4	\$1.70	\$1.50	12
SP-85	Shallow Speaker.....	26	S	4	\$ 9.00	\$ 8.65	12
SP-125	Shallow Speaker.....	26	S	6 1/2	\$11.50	\$10.80	12
SP-19	4" Speaker & Baffle..	1	25	1 1/4	\$2.19	\$1.99	48
SP-20	8" Speaker & Baffle..	1	S	3 1/4	\$3.95	\$3.50	48
SP-96E-2	6" x 9" Speaker...	2	S	1 1/2	\$1.90	\$1.75	12
SP-105	Pillow Speaker.....	4	S	5to1	\$1.46	\$1.36	12
SP-106	4" PM With Vol. Con	1	S	1 3/4	\$3.10	\$2.90	25
SP-146	Spkr. & Vol. Cont...	1	S	2 3/4	\$4.10	\$3.85	25
SP-150	Trans. Radio Spkr...	1	S	1 1/2	\$2.75	\$2.50	12
SPG-1	Stylus Gauge.....	11	S	18to1	\$.54	\$.49	48
SPG-2	Stylus Gauge.....	11	S	28to1	\$.39	\$.33	48
SS-1P	Push Button Switch...	6	S	1/2	\$.40	\$.37	24
SS-3P	Speaker Switch Kit..	6	10	1	\$.75	\$.70	50
SS-111	Speaker Switch Kit..	6	10	1/4	\$.50	\$.40	100
SS-112	Speaker Switch.....	6	10	3/4	\$.15	\$.12	100
SS-113	Fader Assembly.....	6	10	1	\$.49	\$.44	100
SS-114	Speaker Switch.....	6	10	1/2	\$1.20	\$1.10	12
SS-115	Speaker Fader.....	6	20	1/2	\$.19	\$.17	100
SS-117	Stereo Spkr. Switch.	6	S	1 1/2	\$1.90	\$1.75	12
SS-117F	Stereo Spkr. Switch..	6	S	1/2	\$1.90	\$1.75	12
SS-200	SPST Switch.....	15	25	1/2	\$.34	\$.32	100
SS-210	DPDT Switch.....	15	25	1/2	\$.34	\$.32	100
SS-300	Push Button Switch..	15	25	1/4	\$.14	\$.12	100
SX-600	Speaker Switch.....	6	S	1/4	\$.82	\$.75	12
SX-610	Speaker Switch.....	6	S	1/4	\$.90	\$.85	12
T-192M	Connector, 2 Pin...	15	S	30to1	\$.29	\$.26	100
T-192FL	Connector, 2 Pin...	15	S	30to1	\$.36	\$.33	100
T-192FC	Connector, 2 Pin...	15	S	30to1	\$.27	\$.25	100
T-193M	Connector, 3 Pin...	15	S	30to1	\$.38	\$.35	100
T-193FL	Connector, 3 Pin...	15	S	30to1	\$.39	\$.36	100
T-193FC	Connector, 3 Pin...	15	S	30to1	\$.29	\$.26	100
T-194M	Connector, 4 Pin...	15	S	30to1	\$.44	\$.39	100
T-194FL	Connector, 4 Pin...	15	S	30to1	\$.39	\$.36	100
T-194FC	Connector, 4 Pin...	15	S	30to1	\$.36	\$.33	100
T-196M	Connector, 6 Pin...	15	S	15to1	\$.48	\$.44	100
T-196FL	Connector, 6 Pin...	15	S	15to1	\$.48	\$.45	100
T-196FC	Connector, 6 Pin...	15	S	15to1	\$.42	\$.39	100
T-198M	Connector, 8 Pin...	15	S	15to1	\$.49	\$.46	100
T-198FL	Connector, 8 Pin...	15	S	15to1	\$.55	\$.51	100
T-198FC	Connector, 8 Pin...	15	S	15to1	\$.46	\$.43	100
T-200	7/8" Panel Light...	15	-	-	\$.26	\$.24	100
T-202	1/2" Panel Light/S.	15	-	-	\$.21	\$.19	100
T-202A	1/2" Panel Light/B.	15	-	-	\$.15	\$.13	100
T-203	1/2" Panel Light/H.	15	-	-	\$.22	\$.20	100
T-208	Phone Plug.....	14	20	1 1/4	\$.22	\$.19	100
T-208A	Phone Plug.....	14	20	1 1/4	\$.14	\$.12	100
T-209	Phone Plug Adapt...	14	20	1 1/4	\$.22	\$.20	100
T-210	Closed Jack.....	14	-	-	\$.13	\$.11	100
T-211	Open Jack.....	14	-	-	\$.13	\$.11	100
T-213P	3-Way Plug.....	14	20	1	\$.25	\$.23	100
T-213J	3-Way Jack.....	14	20	1	\$.20	\$.18	100
T-216	Knife Switch.....	15	25	2	\$.12		
T-218	Slide Switch.....	15	20	1/2	\$.07		
T-219	Slide Switch.....	15	20	1/2	\$.08		
T-261P	Banana Plug.....	14	25	-	\$.06	\$.05	100
T-261J	Banana Jack.....	14	25	-	\$.06	\$.05	100
T-299P	RCA Type Plug.....	14	100	-	\$.045	\$.035	1000
T-299J	RCA Type Jack.....	14	100	-	\$.045	\$.035	1000
T-500	Phono Plug Adapt...	12	S	12to1	\$.45	\$.40	12
T-501	Phono Jack.....	12	S	12to1	\$.45	\$.40	12
T-502	Adaptor.....	12	S	12to1	\$.50	\$.45	12
T-503	Adaptor.....	12	S	12to1	\$.50	\$.45	12
T-505	Adaptor.....	12	S	20to1	\$.29	\$.25	100
T-506	Adaptor.....	12	S	20to1	\$.29	\$.25	100

Part No.	Description	Page	Pkd.	Shpg wt lbs.	Price each	Lot Price	in lots of:
T-531	Barrel Jack.....	14	10	1/2	\$.13	\$.12	100
T-685	Phono Plug Adapt...	14	5	5to1/4	\$.20		
T-686	Phono Plug Coupler..	14	20	20to1/2	\$.15		
T-700	Phono Plug.....	14	50	50to1	\$.13		
T-702	Phono Jack.....	14	50	50to1	\$.15		
T-710	Adapt. W/ Control..	12	S	12to1	\$1.00	\$.90	12
T-711	Adapt. W/ Control..	12	S	12to1	\$1.00	\$.90	12
T-712	Adapt. W/ Control..	12	S	12to1	\$.80	\$.70	12
T-750	Stereo-Mono Select.	6	S	1/4	\$.85	\$.75	24
T-752	Spkr. Phase Contr...	6	S	1/4	\$.70	\$.65	24
T-1000	5-Way Binding Post.	15	20	11-1/4	\$.16	\$.14	100
TA-100	Plast. Tape 10rl/ctn.	25	Box	2 1/4	\$4.19	\$3.99	12
TA-101	Plast. Tape 10rl/ctn.	25	Box	1 1/4	\$2.10	\$1.99	12
TA-102	Plast. Tape 10rl/ctn.	25	Box	1 1/4	\$2.10	\$1.99	12
TA-106	Plast. Tape 6 rl....	25	tube	1/4	\$.50	\$.45	50
TEL-1	Telephone Plug.....	22	S	1/4	\$.45	\$.40	12
TEL-2	Telephone Jack.....	22	S	1/4	\$.55	\$.50	12
TEL-3	Telephone Wall Plate.	22	S	1/2	\$.85	\$.80	12
TC-100	Phone Pickup Coil...	9	S	1/4	\$.90	\$.80	50
TC-200	Phone Pickup Coil...	9	S	1/4	\$.80	\$.72	50
TL-243-5	5" Pliers.....	23	6	6to2	\$1.02		
TL-243-6	6" Pliers.....	23	6	6to4	\$1.26		
TL-243-7	7" Pliers.....	23	6	6-41/2	\$1.26		
TL-652-6	6" Nippers.....	23	6	6to4	\$1.07		
TL-654-6	6" Long Nose.....	23	6	6to4	\$.98		
TL-704-5	5" Cutter-Pliers...	23	6	6to4	\$1.02		
TL-704-6	6" Cutter-Pliers...	23	6	6to4	\$1.20		
TL-709-5	5" Cutter-Pliers...	23	6	6-13/4	\$.99		
TL-709-6	6" Cutter-Pliers...	23	6	6-21/4	\$1.07		
TL-715-5	5" Long Nose.....	23	6	6-11/2	\$.93		
TL-715-6	6" Long Nose.....	23	6	6-21/4	\$.95		
TL-718-6	6" Long Nose.....	23	6	6-21/4	\$.99		
TL-720-7	7" Long Nose.....	23	6	6-21/2	\$1.02		
TM-7	Dynamic Mic.....	8	S	2	\$9.00	\$8.10	12
TM-8	Microphone.....	8	S	1	\$6.90	\$6.50	12
TM-10	Microphone.....	8	S	1 1/2	\$7.13	\$6.80	12
TM-11	Microphone.....	8	S	1 1/4	\$5.45	\$4.90	12
TM-12	Microphone.....	8	S	1 1/4	\$8.80	\$7.90	12
TM-16	Dynamic Mic.....	7	S	2	\$ 9.95	\$ 8.95	6
TM-17	Dynamic Mic.....	7	S	2	\$10.25	\$ 9.25	6
TM-18	Dynamic Mic.....	7	S	2	\$11.80	\$11.20	6
TM-19	Communications Mic..	7	S	1	\$ 7.60	\$ 6.90	6
TP-1A	Tube Puller.....	23	S	1/2	\$.42	\$.37	12
TP-2S	Tube Puller, Straight	23	S	1/2	\$.42	\$.37	12
TS-20	Tubular Speaker.....	1	S	2	\$ 1.75	\$ 1.65	30
TT-200	Tube Tester.....	19	S	7 1/2	\$26.95	\$24.75	4
VF-1	Ventilating Fan.....	26	S	1	\$ 2.35	\$ 2.15	12
VCS-100	Vol. Control.....	21	S	24to1	\$.46		
VR-5	Variable Xfmr.....	25	S	81/2	\$10.95	\$10.45	4
VU-100	VU Meter.....	16	S	3/4	\$3.50	\$3.15	12
VU-100C	VU Meter, Clear....	16	S	1/2	\$3.10	\$2.90	12
VU-102	VU Meter.....	16	S	3/5	\$4.65	\$4.20	12
VU-102C	VU Meter, Clear....	16	S	3/4	\$3.50	\$3.15	12
WPS-12	FM & TV Socket.....	22	25	25to1	\$.30	\$.26	25
WPS-15	FM & TV Wall Plate.	22	S	5to1	\$.36	\$.30	25
WPS-30	FM & TV Wall Plate..	22	S	5to1	\$.47	\$.41	25
WS-1	Wire Strippers.....	25	S	1	\$3.45	\$3.15	6
WW-1	Earphone Wire, 100ft.	4	S	1	\$.91	\$.84	6
XC-26	Ceramic Stereo Cart...	11	S	1/2	\$ 2.50	\$ 2.35	12
XC-45	Cartridge.....	11	S	1/4	\$.71	\$.60	50
XC-90	Mono Cartridge.....	11	S	16to1	\$.99	\$.90	12
XC-99	Stereo Cartridge....	11	S	16to1	\$1.10	\$.99	12



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