

GENERAL CATALOG 139

Electro-Voice®

ELECTRO • VOICE, INC.
BUCHANAN • MICHIGAN

HIGH FIDELITY • COMMERCIAL SOUND • RADIO COMMUNICATIONS

PRODUCT INDEX



	PAGE
AMATEUR RADIO EQUIPMENT	8
CITIZENS' TWO-WAY RADIO	7
ENCLOSURES, HIGH FIDELITY	15, 19, 20
KITS, HIGH FIDELITY	14, 20
HIGH FIDELITY ACCESSORIES	17, 18, 20
LOUDSPEAKER SYSTEMS	14, 15
LOUDSPEAKERS, HIGH FIDELITY	16, 17, 18
LOUDSPEAKERS, PUBLIC ADDRESS	5, 6
MICROPHONE ACCESSORIES	4
MICROPHONES, BROADCAST	1
MICROPHONES, GENERAL PURPOSE	2, 3
MICROPHONES, COMMUNICATIONS	3, 4
NEEDLES, REPLACEMENT	9, 10, 11
PHONO CARTRIDGES, HIGH FIDELITY	20
PHONO CARTRIDGES, REPLACEMENT	12, 13

Electro-Voice[®]

ALSO MANUFACTURES DEPTH FINDERS,
TACHOMETERS, UNDERWATER SOUND SYSTEMS,
AND ELECTRONIC ORGANS . . .

*for detailed information on any Electro-Voice
product or assistance with specific installations,
write to:* Sales Department

Electro-Voice, Inc.
Buchanan, Michigan

Electro-Voice BC-TV-RECORDING MICROPHONES

BROADCAST-TV-RECORDING DYNAMICS

NEW CARDILINE UNIDIRECTIONAL MICROPHONE

Model 642—A highly directional dynamic microphone combining the best characteristics of cardioid and distributed front-opening designs. Essentially cardioid unidirectional up to 500 cps; highly directional over balance of range. Offers wider range, higher level and directivity than ever before achieved in one unit of its type. Working distance is 2 to 3 (or more) times that of conventional types. Excellent for boom use with Model 556 shock mount. Minimum mechanical shock transfer and wind noise interference. Response: Flat from 30 to 10,000 cps or choice of 5 or 10 db low frequency reduction steps by serowdriver adjustment. Impedance: 50, 150 and 250 ohms, externally adjustable. Output level: -48 db. Cast aluminum case with abrasion-proof Nicaloy finish. Supplied with Cannon UA-3-14 connector, 20' 3-conductor shielded broadcast cable and UA-3-11 Cannon connector. Length 17 3/4"; max. diameter 3 1/4". Net Weight, 3 lbs., 4 oz. List Price.....**\$390.00**

CARDIOID UNIDIRECTIONAL MICROPHONES

Model 556 Super Cardioid—Uses Variable-D principle for high discrimination against sounds from back. High mechanical shock resistance. Adds one octave of uniform HF response over that of conventional broadcast cardioids. Permits close talking without bass accentuation. Working distance increased by 1.7:1 over pressure microphones. Single moving element is exclusive, rugged Acoustalloy diaphragm. Response: 30-16,000 cps. Output: -58 db. Internal connector pin impedance change. Wired for 150 ohms, taps at 50 and 250 ohms. TV-gray finished aluminum cast case. Built-in Cannon UA-3 connector. Clamp-on stand and with 3/4"-27 thread and 1/2" pipe thread adapter, 20' cable. Length 7 3/4"; diameter 1 1/4". Net Weight, 11 oz. List Price.....**\$255.00**

Model 566R Rising Response Cardioid—Like Model 556, but with response which rises 4 1/2 db from 100 to 2,000 cps, reducing pickup of low frequency reverberations, room "rumble" and prop noise. Particularly suited to boom use. Output: -55 db. List Price.....**\$255.00**

Model 567 Variable Response Cardioid—For wide-range reproduction under a variety of acoustic conditions. Combines the excellent cardioid operation of Model 556 with an inline transistor preamplifier with bass, treble and presence controls; provides 40 distinct response characteristics. Maximum output level: 50 ohms, -30 db; 150 ohms, -32 db; 250 ohms, -33 db. Response: 35-16,000 cps. Other specifications and accessories like Model 556. Preamp noise level: -123 db, referred to input. Controls: Bass (4 positions: +3 db, flat, -5 db, -9 db at 100 cps); treble (5 positions: +9 db, +6 db, +3 db, flat, -6 db at 100 cps); Gain (4-position); Power On-Off switch. Mercury battery supplied. Steel case, brushed chrome finish. Supplied with 50' cable, UA-3-11 and UA-3-12 connectors; 20' cable with UA-3-11 connector. Hardwood carrying case. Size: 9" long, 3 3/4" wide, 3 1/4" high. Net Weight, 3 3/4 lbs. List Price.....**\$600.00**

Model 565 Cardioid—Similar in design and function to the Model 556, but for less exacting applications. Uniform response 50-14,000 cps. Recessed switch provides 50 or 250 ohms. Pressure-cast zinc case. Nonreflecting gray finish. Diameter, 1 1/4", length 7 1/4". 18' cable. Net Weight, 1 lb. 10 oz. List Price.....**\$150.00**

Model 509S Transistor Line Amplifier—Increases dynamic range of any E-V low impedance mike. Lowers system noise. See Model 567 for data. List.....**\$269.00**

OMNIDIRECTIONAL MICROPHONES

Model 555C Slim-Trim TV Dynamic—Frequency response 40-20,000 cps. Output level -55 db. Has widest range response of any microphone commercially available. Used in many laboratories as test standard. Excellent level affords high signal-to-thermal noise ratio. Can be used on stand, in hand or on boom. Easily concealed in studio props. Acoustalloy diaphragm. Pop-proof grille. Impedance 50, 150 and 250 ohms. Impedance easily changed at internal terminal board. Cannon UA-3 connector. Clamp-on stand mount included with 3/4"-27 thread and 1/2" pipe thread adapter. Size: 10 1/2" long w/o connector, 1 dia. 20' cable. Net Wt., 7 oz. List.....**\$200.00**

Model 554 Slim-Trim Broadcast Dynamic—Frequency Response 50-16,000 cps. Output level -55 db. Recessed selector provides 50 or 250 ohms. Built-in Cannon X1-3 connector. Acoustalloy diaphragm. 3/4"-27 thread, 18" cable, 10" long with stud, 1" dia. Net Weight, 16 oz. TV gray enamel. List Price.....**\$100.00**

Model 646 Lavalier Dynamic—For chest, desk or hand use. Neck cord and support clips supplied. Response 50-15,000 cps; output level -55 db. Matches all low impedances. Omnidirectional. Acoustalloy diaphragm. Built-in connector. Gray enamel. 30' cable, 7 1/4" x 1" dia. Net Weight, less cable, 7 oz. List Price.....**\$147.50**

Model 649A Miniature Lavalier—Smallest dynamic lavalier—weighs only 2 oz. without cable; 3 1/4" long x 3/4" diameter. Ideal for programming where unobtrusive or concealed microphone placement is desirable. The 649A may be hidden in corsages, under the lapel or tie, behind a book—almost anywhere. Frequency response 60-12,000 cps. Output: -60 db. Nondirectional. Matches all low impedance. 30' shielded cable. Aluminum case finished in TV gray. Complete with neck cord assembly and belt clip. List Price.....**\$105.00**

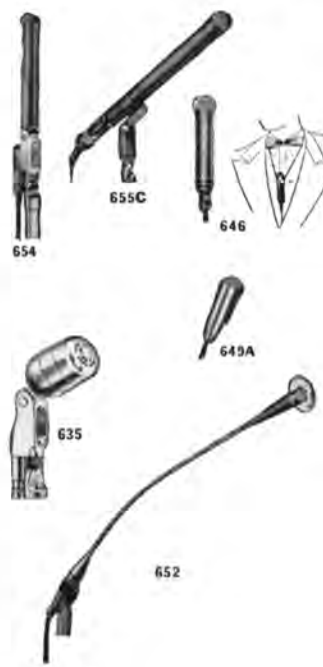
Model 635 Broadcast Dynamic—Compact, rugged, versatile. Omnidirectional. Response, 60-13,000 cps. Output level -55 db. 50-250 ohms impedance selector. Head tilts through 90° arc. Cannon X1-3 connector. 3/4"-27 thread; size 2" x 6 1/4". Satin chrome finish. 18" cable. Net Weight, 1 lb. List Price.....**\$82.00**

NEW "THIN-TRIM" DYNAMIC MICROPHONES

Model 552—A unique new design for an almost invisible dynamic microphone. The microphone is mounted on the end of the semirigid tube bringing the moving coil element closer to the user for full range, pop free response. The unobtrusive and attractive contour makes it ideal for use in television, broadcasting, recording lectures and other applications where the microphone should be inconspicuous. Breath and wind filter is an integral part of the microphone. Two clear plastic baffles provided to give either 8 db or 5 db boost in the brilliance range of 5,000 cps for added articulation. The microphone without the baffles gives a smooth response of from 80 to 8,000 cps. The Model 552 is mounted on a 3/4" steel tube and finished in nonreflecting Nicaloy finish. Output level -60 db. Matches all low impedances. Furnished with 3-conductor shielded 20' cable, Model 300 stand coupler. Length of microphone, 25". Weight, 11 oz. List Price.....**\$120.00**

Model 552A—Same as Model 552 except 18" long. List Price.....**\$120.00**

All E-V microphones except crystals are eligible for FCDA purchases.



Electro-Voice GENERAL PURPOSE MICROPHONES

UNIDIRECTIONAL LINE MICROPHONE

Model 644 Sound Spot—Another Electro-Voice revolutionary development, the Sound Spot Model 644 is a combination cardioid and distributed front opening, making it the most directional microphone ever. The Model 644 has the farthest front pickup, or better than 2.5 times the working distance of pressure types. Work close or far away without change of frequency response.

Cancellation from the rear and sides exceeds 20 db giving practically complete rejection of unwanted sound. This feature gives the most rejection of random noise in any microphone commercially available. Reverberation and feedback are vastly lower than any other microphone, allowing much greater leeway in loudspeaker placement.

The effective front acceptance angle is 45° each side of center giving best isolation of individual performers. The Model 644 is 9 db better on the reduction of wind noise and has far less response to shock than all other microphones.

Frequency response is smooth from 40 to 12,000 cps. High output: -53 db. Dual high and low impedance selected by changing one tap on MC-4 cable connector. The case is high-pressure diecast zinc with 1/4" aluminum tube. Rear diameter 2 1/2", length 16". Cable is 18'. Weight, 2 lbs. 9 oz. List Price.....\$110.00



644

CARDIOID UNIDIRECTIONAL MICROPHONES

Model 664 Cardioid Dynamic—Similar to Model 666 in function, but designed specifically for PA. Cardioid pattern at all frequencies. Permits close talking without "booming" or bass accentuation. Provides better discrimination against unwanted sound. Less feedback than any cardioid PA microphone built. Blast filter minimizes wind effect. Acoustalloy diaphragm shielded from dust and magnetic particles. Response 40-15,000 cps. Output -53 db. On-Off switch. 150-ohm and high impedance. Impedance changed by moving one wire in MC-4 cable connector. Pressure-cast case. Chrome finish. 18' cable. Size 7 1/4" long, less stand coupler, 1 1/4" diameter. Net Weight, 1 lb. 10 oz. List Price.....\$85.00

Model 664G—Gold finish. List Price.....\$90.00



636



664

OMNIDIRECTIONAL MICROPHONES

Model 636 "Stimair" Dynamic—Exceptionally fine for PA, recording and general use. Response 60-13,000 cps, output -58 db. Pop-proof head. Wide pickup range. On-Off switch. Satin chrome finish. Tilttable head. Built-in MC-4 connector. 1/4"-27 thread. Hi-Z or Lo-Z by changing one wire in connector. 18' cable. 10 1/4" long including stud, 1 1/4" max. diameter. List Price.....\$72.50

Model 636G—Gold finish. List Price.....\$77.50



630

623

Model 630 High Fidelity, High-Output Dynamic—Famous for quality at low cost. Response 60-11,000 cps; output level -55 db. Unaffected by heat or humidity. Acoustalloy diaphragm. Tilttable head. Built-in MC-3 connector. On-Off switch. Satin chrome finish. Available in Hi-Z or 150 (matches 50-250 ohms). Lo-Z balanced to ground. Size: 2" x 6 1/4" 18' cable. Net Weight, 1 lb. List Price.....\$52.50

Model 647 PA Lavalier Dynamic—Small, rugged; for chest, desk or hand use. With neck cord, support clips and 18' cable. Response: 60-10,000 cps. Output level: -55 db. Impedance Hi-Z or Lo-Z easily changed at internal terminal board. Acoustalloy diaphragm. Built-in connector. Gray enamel finish. 5" long, 1" dia. Net Weight, less cable, 6 oz. List Price.....\$82.50



624



647

Model 623 Slim Dynamic—Ideal for PA, recording and general use. Use on stand or in hand. Omnidirectional. Response 60-12,000 cps; output level -56 db. Hi- or Lo-Z by changing one wire in connector. Pressure cast; satin chrome finish. Tilttable head. On-Off switch. Built-in MC-4 connector. 3/8"-27 thread. 7 1/2" x 1 1/4". 18' cable. Net Weight, 15 oz. List Price.....\$57.00

Model 611 "Mercury" Dynamic—Traditional styling, fine performance for general sound pickup. Response 50-9000 cps; output level -55 db. Nondirectional. Acoustalloy diaphragm. Tilttable head. On-Off Switch. Built-in MC-3 connector. 1/4"-27 thread. Satin chrome finish. Available in Hi-Z or 150 (matches 50-250 ohms). Lo-Z balanced to ground. 2 3/4" x 3 1/4" x 6 1/4" inc. stud. 18' cable. Net Weight 1 1/4 lbs. List Price.....\$45.00



611



605

Model 624 Dynamic Lavalier—Most economical dynamic lavalier on the market. For chest or hand use. Supplied with neck cord, support clip and 18' cable. Satin chrome finish. Wire mesh head acoustically treated for wind and moisture protection. Output -56 db, response 100-7,000 cps. Hi-Z or 150 ohm, not balanced to ground. 3 1/4" x 1 1/4". Cable has integral strain relief. Net Weight, 14 oz. List Price.....\$42.50

Model 605 Durable Dynamic—For dependable, general purpose use. Response 65-8000 cps. Output level: -56 db. Nondirectional, becoming directive at higher frequencies. Acoustalloy diaphragm. Head at 22° fixed tilt. Built-in MC-1 connector. Satin chrome. Choice of Lo-Z (matches 50-250 ohms) or Hi-Z. Low impedance not balanced to ground. 3 1/4" x 2 1/4" x 2" dia. Net Weight, 12 oz. With 18' cable. List Price.....\$32.50



615

Model 615 "Century" Dynamic—Incomparable for paging, home recording, amateur, or any low-cost applications. Can be used in hand, on table, on stand, or overhead. Nondirectional. Acoustalloy diaphragm. Withstands extreme temperature, humidity, corrosion and shock. Response: 80-8000 cps. Output: -55 db. Lo-Z (matches 50-250 ohms) or Hi-Z. Lo-Z not balanced to ground. 5" cable. Pressure cast case. Metalure gray. Rugged, lightweight. Size 3" x 2 1/4" x 1". With 1/4"-27 thread stand adapter. AC-DC insulated. List Price.....\$25.50



615 on 415

All E-V microphones except crystals are eligible for FCDA purchases.

Electro-Voice MICROPHONES

CRYSTAL AND CERAMIC MICROPHONES

Model 951 Cardioid Crystal—Uses same new Variable D principle as E-V's RC-TV cardioids to obtain uniform directivity at all frequencies, high discrimination against unwanted sound. The 951 is an excellent wide-range, all-purpose PA microphone for a great variety of acoustic conditions, and especially useful where background noise and reverberation are a problem. Response 50-11,000 cps. Output —60 db. HI-Z. On-Off switch. Pressure-cast case. Metalure gray finish. 18' cable. MC-1 connector. $5\frac{1}{2}$ " L. (excluding stud). $1\frac{3}{4}$ " dia. overall. Net wt., less cable, $1\frac{1}{4}$ lbs. List. **\$54.50**

Model 911 "Mercury" Crystal—Same smart design and fine performance as Model 611. Response 50-9000 cps. Output —50 db. Metal Seal Crystal. MC-1 connector HI-Z. 18' cable. Net Weight $1\frac{1}{2}$ lbs. List Price. **\$32.50**

Model 926 Slim Crystal—Level and response ideal for general purpose use. Response 60-8000 cps; output level —60 db. HI-Z. Pressure cast case. satin chrome finish. Tilttable head. $\frac{3}{4}$ "-27 thread. $6\frac{1}{4}$ " x $1\frac{1}{2}$ ". 18' cable with integral strain relief. Net Weight 11 oz. List Price. **\$29.50**

Model 920 "Spheres" Crystal—All-direction pick-up. Response 60-7000 cps; output level —50 db. Strong wire-mesh head acoustically treated for wind and moisture protection. High capacity, moisture sealed crystal. HI-Z. Satin chrome. $\frac{3}{4}$ "-27 thread. Diam. $2\frac{1}{4}$ ". 18' cable. Net Weight 8 oz. List. **\$27.50**

Model 924 Lavalier Crystal—Unique crystal lavalier for chest or hand use. Supplied with neck cord, support clips and 18' cable. Satin chrome finish. Wire mesh head acoustically treated for wind and moisture protection. Output —60 db. Response 60-8000 cps. HI-Z. $3\frac{1}{2}$ " x $1\frac{1}{2}$ ". Cable has integral strain relief. Net Weight 8 oz. List Price. **\$20.00**

Model 729 Ceramic Cardioid—The Model 729 is the lowest priced cardioid ever built. Random noise, reverberation and feedback reduced by a factor of 67%. Front pickup range nearly double that of pressure microphones. For public address, call and paging systems, home recorders, especially stereo, and general communications. Discriminating against sound from the rear makes the 729 excellent for amateur radio VOX operation. Tailored for single sideband. Output —60 db. Response: 60 to 8,000 cps. High impedance only. Available with or without "on-off" switch. Metalure gray front with medium gray back. Attractive desk stand and floor stand supplied. Net weight, less cable and stand, 9 oz. List Price. **\$24.50**

Model 729S—With switch.

List Price. **\$26.50**

Model 727 Slim Ceramic—A new approach to the design of ceramic microphones for PA, recording and general use; similar in appearance to Model 729. Withstands extremes of temperature and humidity. Response 60-8000 cps. Output —55 db. High impedance only. 5' cable. Available with or without "on-off" switch. Metalure gray front with medium gray back. Size: $7\frac{1}{2}$ " x $1\frac{1}{2}$ " x $1\frac{1}{2}$ ". Supplied with attractive desk stand and floor stand coupler. Net Weight less cable, stand, 9 oz. List Price. **\$18.00**

Model 727S—With switch.

List Price. **\$20.00**

Model 715 "Century" Ceramic—Use in any position—in hand, on table, on stand or overhead. Ceramic element. 60-7000 cps; output —55 db. HI-Z. 5' cable. Non-directional. Metalure gray finish. Rugged, lightweight. $3\frac{1}{2}$ " x $2\frac{1}{4}$ " x $1\frac{1}{2}$ ". With $\frac{3}{4}$ "-27 adapter. AC-DC insulated. 6 oz. List Price. **\$13.00**

Model 715S—With switch.

List Price. **\$15.00**

Model 715SR—With SPST switch for relay operation in mobile use.

List Price. **\$17.50**

Model 718 Ceramic—An improved replacement for home recording microphones. 5' cable includes a molded-on phono plug, with adapter, to match all late model home recorders. Improved high-level (—55 db) ceramic element resists damage from temperature, humidity extremes. Response: 60 to 6000 cps. $3\frac{1}{2}$ " x $1\frac{1}{4}$ " x $1\frac{1}{2}$ ". Net Weight 8 oz. List Price. **\$12.00**

Model 712 Ceramic—Low cost ceramic microphone. Fits need of low cost PA, home recording, paging and general use. Handheld. Moisture sealed ceramic. Response 70-7000 cps. High output —55 db. HI-Z. Attractive gray Styron case. Size $3\frac{1}{2}$ " x $2\frac{1}{4}$ " x $1\frac{1}{2}$ ". 5' cable. Net Weight 4 oz. List Price. **\$7.50**



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727, 729



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DIFFERENTIAL AND SPECIAL PURPOSE MICROPHONES

Model 622SKK Dynamic Handset—For paging, intercom and communications. Sturdy bakelite, 150-ohm magnetic receiver with response 200-4000 cps. Switch closes mike and relay circuit. Response: 100-5000 cps. Output level: —55 db. Impedance: 250 ohms. 6' 5-conductor coiled cord. List Price **\$78.00**

Model 622TRSKK—With 2-stage transistor amplifier. List Price. **\$94.50**

Model 625SKK Dynamic Differential Handset Microphone—Noise-cancelling microphone designed for use where background noise is at high level. Similar to Model 622SKK. Supplied with five-conductor, unshielded cable. DPST switch will handle relay or remote control and turn on mike. Press button to talk. Size: $8\frac{1}{2}$ " x $3\frac{1}{2}$ " x $2\frac{1}{4}$ ". Net Weight, $1\frac{1}{2}$ lbs. List Price. **\$85.00**

Model 625TRSKK—With 2-stage transistor amplifier. FAA type certificate 3R42-2. List Price. **\$122.50**

Model 606 Differential Dynamic—Close talking, noise cancelling. Accepts sounds of close origin ($\frac{1}{4}$ ") and rejects sounds of distant origin. Response: 100 to 5,000 cps. Output at $\frac{1}{4}$ " —55 db. Acoustalloy diaphragm. $\frac{3}{4}$ "-27 thread. Built-in MC-1 connector. Satin Chrome. $2\frac{1}{2}$ " x $3\frac{1}{4}$ " x $2\frac{1}{2}$ " including stud. Lo-Z (matches 50-250 ohms) or HI-Z. Low impedance not balanced to ground. 18' cable. List Price. **\$52.50**

Model 600D Dynamic Mobile-Mike—Lightweight, hand-held, extra-rugged.

Model 648 Intercom Microphone—Extremely versatile paging, intercom, or PA mike. Response: 50-10,000 cps. Output —58 db. Choice of Lo-Z (matches 50-250 ohms) or high impedance. Omnidirectional. Acoustalloy diaphragm. Non-reflecting gray. Less Cable. Size: $6\frac{1}{4}$ " x $1\frac{1}{2}$ " (including $\frac{3}{4}$ "-27 thread adapter). Net Weight (with adapter), $8\frac{1}{2}$ oz. List Price. **\$56.00**

Output —55 db. Press-to-talk switch. Acoustalloy diaphragm. $2\frac{1}{4}$ " x $2\frac{1}{4}$ " x $4\frac{1}{2}$ ". 50-250 ohms or HI-Z. 1' retracted coiled cord, 6' extended. Net Weight less cable 8 oz. List Price. **\$47.50**

Model 210KK Carbon—Similar to Model 600D but single-button carbon. Output —50 db. Press-to-talk switch. 6' coiled cord. List Price. **\$35.00**

Model 602—A noise-cancelling dynamic microphone for use in areas of heavy background noise. It accepts sounds of close origin ($\frac{1}{4}$ ") and rejects sounds of a distant origin. Output level: —55 db. 100-7,000 cps. Press-to-talk switch. Acoustalloy diaphragm. 1' retracted coiled cord, 6' extended. Available in HI-Z or balanced line, 50 or 250 ohm. Weight, less cable, 8 oz. List Price. **\$57.50**

Model 205KK Differential Carbon—Close-talking, noise-cancelling, single button carbon. For private aircraft and emergency communications. Blastproof, waterproof, shock resistant. Output at $\frac{1}{4}$ " —50 db. Black phenolic case. Press-to-talk switch. Mounting bracket. 6' coiled cord. Size: $2\frac{1}{4}$ " x $2\frac{1}{4}$ " x $4\frac{1}{2}$ ". Net weight less cable, 8 oz. List. **\$45.00**

Model 205KKP—Same, with PJ-068 plug. List Price. **\$49.75**

Model 205STCKK—FAA Type approved certificate No. 1040 with coiled cord. Designed for commercial aircraft. List Price. **\$56.50**

Model 205STCKKP—Same as above with PJ-068 plug. List Price. **\$61.25**



622SKK

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648 on 448

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All E-V microphones except crystals are eligible for FCDA purchases.

Electro-Voice MICROPHONES AND ACCESSORIES



SPECIAL PURPOSE AND DIFFERENTIAL MICROPHONES

Model 805 Contact—For guitar, banjo, other stringed instruments. Hi-Z. Sealed crystal. Chrome finish. 15' cable. List Price, **\$20.00**

Model 600TR Microphone—Has compact, two-stage transistor amplifier built into case. Complete circuit including transistor, transformers, and associated equipment. Coiled cord, four-wire lead, press-to-talk switch may also actuate relay to control transmitter. Same sensitivity as carbon mike without change in auxiliary equipment. Output: -25 db. Amplifier power gain approximately 34 db. Size: 2 1/4" x 2" x 4". Black phenolic case with mounting bracket, 6' cable. Net Weight less cable, 13 oz. FAA type certificate 3R42-1. List Price, **\$82.50**

Model 602TR Microphone—Similar in type and appearance to Model 600TR, but designed for close-talking, noise-cancelling work. Speech is clear, crisp, distinct. May be used to replace carbon microphone with no change in auxiliary equipment. Net Weight less cable 13 oz. FAA type certificate 3R42-1. List Price, **\$93.00**

MICROPHONE ACCESSORIES

Model 356 Suspension Shock Mount—For use with Model 642 on boom or floor stand. Excellent isolation. List. **\$50.00**

Model 366 Suspension Shock Mount—Extremely light. Designed for use with 666 microphone. Installs without tools. Pigtail cable connection with UA-3 connectors provides cable loop isolating boom shock noises. For any microphone with 1" diameter. List, **\$40.00**

Model 345 Shock Mount—Dual-type external shock mount prevents reproduction of external shocks and stand vibrations. Permits tilting microphone head. 5/8"-27 thread. Easily attached or removed. Satin chrome. 1 1/2" x 3 1/4". Net Weight, 10 oz. List Price, **\$15.00**

Model 346 Shock Mount—Designed specifically for use with Model 666 microphone. Similar in every feature to Model 345, but constructed for 11 oz. microphone. List Price, **\$15.00**

Model 300 Detachable Microphone Clamp—Light weight adapter fits any 1" cylindrical microphone. Positive stand mounting. Installs easily with finger-operated clamp. Rubber insert prevents slippage. 1/2" pipe thread adapter for 5/8"-27. List Price, **\$10.00**

Model 524 Wind Screen—Designed specifically for use with Model 666 microphone. Minimizes wind effect on boom operation or when used outdoors. Made of Acoustifoam rubber. Net Weight, 2 oz. List Price, **\$8.00**

Model 335 Blast Filter—Acoustically treated, scientifically curved grille stops wind and breath blasts. Does not affect frequency response. Easily fits over head of E-V Models 630, 635, and 605 mikes. Satin chrome finish. List Price, **\$5.50**

Model 448 Swivel Boom Mount—Designed specifically for use with Model 648 microphone. Holds mike 1 1/4" off mounting surface. 62" elbow bend. MC-2M connector. Satin chrome finish. Extends 4" below mounting surface, 2 1/2" diam. mounting base. Net Weight, 1 lb. 5 oz. List Price, **\$24.00**

Model 502A Matching Transformer—Designed for use in series with mike line. Transformer windings have low distributed capacity and are amply shielded against inductive hum by a shield inside pressure cast case. Designed for 50, 150, 250 and 500 ohms—to Hi-Z. Broadcast fidelity response 40-20,000 cps = 1 db. MC-4 input connector, 2 1/4" x 1 1/4" diameter. List Price, **\$17.50**

MICROPHONE STANDS

Model 415 Reclining Desk Stand—Mounts 615, 715, 715-S at 15° tilt. Satin chrome. Size: 2 1/2" x 2 3/4" x 1". Net Weight, 4 oz. List Price, **\$1.75**

Model 416 Stand—For semipermanent mounting of 646, 647 microphones. Black rubber. Size 3 1/4" diameter, 1" high. Net Weight, 2 oz. List Price, **\$5.00**

Model 418 Desk Stand—Use with microphones using small-type stud such as Models 611, 623, 630, 635, 636, 911, and 951. Die cast base. Gray finish. List Price, **\$10.00**

Model 418-S—With switch, .. **\$15.00**

Model 419 Desk Stand—Similar to Model 418 but for use with microphones using large-type stud such as Models 644, 654, 664 and 665. List Price, **\$10.00**

Model 419-S—With switch, .. **\$15.00**

Model 420 Desk Stand—Heavy cast iron stand finished in TV gray. Specifically designed for use with E-V 666, 655C, 646 or microphones with 1" diameter. Clamp attachment for mounting 1" cylindrical mikes, without tools. Base holds

mike in position when subjected to ordinary strain. Net Weight, 3 lbs. List Price, **\$20.00**

Model 423-A Desk Stand—Sturdy smartly styled, round die-cast base, 5 1/4" diameter. Rests firmly on rubber base buttons. Rich satin chrome. 5/8"-27 thread. Choice of 3" or 5" matching stem riser. Net Wt. 1 lb. List, **\$5.00**

Model 428 Touch-To-Talk Stand—Fits standard 5/8"-27 thread. Lever-type switch for relay operation or microphone On-Off—closes or opens instantly or locks in "talk" position. Satin chrome; gray plastic switch lever with locking button. 7" x 5 1/4" base diameter. Net Weight, 1 1/2 lbs. D'DT. List Price, **\$17.50**

Model 425 Deluxe Floor Stand—Button at top gives one-hand height control from 37" to 66". Locks automatically on release. Shaft can be rotated without any adjustment device. Locking-type adjustable legs permit stand to be placed flush against wall. Modern, die-cast base. Three-leg spread 17". Net Weight, 7 1/2 lbs. List Price, **\$30.00**



All E-V microphones except crystals are eligible for FCDA purchases.

Electro-Voice PUBLIC ADDRESS HORNS AND DRIVERS



COMPOUND DIFFRACTION PROJECTOR

Model 848—Combines FC100 Compound Diffraction Horn plus DC30 Compound Driver for finest wide-angle sound, lowest distortion, highest sound quality of any projector. Specifications: Frequency response, 150-10,000 cps; impedance, 16 ohms; dispersion, 90° x 120°; power handling capacity, 30 watts; sound pressure level, 117 db; dimensions, 10½" x 20½" x 20"; Net Weight, 13½ lbs.; Shpg. Wt., 15 lbs. Complete—List Price **\$82.50**
Model 848-45—With 45-ohm voice coil. List Price **\$84.00**

PROJECTOR HORNS

Completely new designs assure finest performance with Electro-Voice projector horns. Two basic types from which to choose . . . compound and reentrant.

Exclusive compound horns permit widest range at lowest distortion, plus complete directional control of both highs and lows. Best wide-angle coverage with exclusive diffraction horns means better sound through entire coverage area for uniform coverage. Concentrating compound horn provides highest efficiency at lowest distortion. Natural voice and music reproduction result in higher intelligibility without annoying peaks.

Model FC100—Similar to the famous CDP, the FC100 provides two diffraction horns for uniform wide-angle coverage. Frequency response is not compromised since both horns are ideally designed to handle a specific portion of the range. Compound horn reduces distortion far below any other projector design. Flexible coverage control provided by individual adjustment of each horn, or concentrating high-frequency horn (HC1000) can be substituted for small diffraction horn. Large horn is of fiberglass with Mesa Tan finish molded in. Use any E-V convertible driver. Specifications: Low-frequency horn—cut-off, 100 cps; taper, 100 cps; air column length, 58"; sound distribution, 90° x 120°. High-frequency sound distribution, 90° x 120°; crossover, 1,000 cps. Mouth size, 10½" x 20½"; depth (less driver), 20". Net Wt. (less driver), 10½ lbs. Shpg. Wt., 12½ lbs. List **\$50.00**

Model AC100—Concentrating version of CDP. Has all of the quality advantages of FC100, except utilizes round horns for most concentrated coverage with greatest efficiency. Retains compound design for lowest distortion—widest range. Diffraction high-frequency horn (HD1000) can be substituted for concentrating horn for flexible coverage control. Use any E-V convertible driver. Specifications: Low-frequency horn—cut-off, 100 cps; taper, 100 cps; air column length, 58"; sound distribution, 80°. High-frequency sound distribution, 30°; crossover, 1,000 cps. Diameter, 21"; depth (less driver), 21"; Net Wt. (less driver), 11 lbs. 6 oz. Shpg. Wt., 13½ lbs. List Price **\$47.00**

Model HD1000—Diffraction horn for converting AC100 to wide-angle (60° x 120°) coverage above 1,000 cps. Shipping Weight, 1½ lbs. List Price **\$6.00**

Model HC1000—Concentrating horn for converting FC100 to concentrated (30°) coverage above 1,000 cps. Shipping Weight, 4 lbs. List Price **\$10.00**

New reentrant horns provide wider range than ever before at lowest cost. Unique E-V ring reflector design provides better balanced highs than possible with conventional exponential designs, by reducing high frequency losses often encountered in reentrant horns. Smoother response plus added useful range increases intelligibility and adds to more natural sound. Rugged aluminum die cast mounting plate plus precision die cast reentrant tubes assure long-lasting performance. Heavy spun aluminum round bell or fiberglass rectangular horn provides either concentrated coverage or medium angle coverage. Electro-Voice Reentrant Horns accept any standard driver with 1½"-18 threads.

Model FR150—Reentrant Horn. Medium-angle low-cost rectangular horn provides good coverage at low cost. Virtually indestructible fiberglass horn has Mesa Tan color molded in. Adjustable mounting angle allows best coverage. Can be stacked for multiple speaker applications. Ideal for car-top installation or wherever low silhouette is needed, and where bass response cannot be sacrificed. Accepts Electro-Voice convertible drivers or any standard driver with 1½"-18 thread. Specifications: Low-frequency cut-off, 150 cps; taper, 150 cps; air column length, 45"; sound distribution, 70° x 100°; mouth size, 10½" x 20½"; depth (less driver), 21"; Net Wt. (less driver), 9½ lbs. Shpg. Wt., 12 lbs. List **\$39.00**

Model AR150—Reentrant Horn. Round concentrating horn for maximum penetration at lowest cost. E-V ring reflector plus precision new exponential design contributes to widest range yet achieved from this horn type. Smoother curve results in high intelligibility, and remarkably natural voice and music quality. Rubber-edge damping ring eliminates resonances. High-efficiency design allows more useful volume from driver over entire range. Accepts Electro-Voice Convertible drivers or any standard driver with 1½"-18 thread. Specifications: Low-frequency cut-off, 150 cps; taper, 150 cps; air column length, 41"; sound distribution, 85°; diameter, 21"; depth (less driver), 17". Net Weight (less driver), 6½ lbs. Shipping Weight, 8 lbs. List Price **\$34.00**

VERSATILE CONVERTIBLE DRIVERS

Now, for the first time, here are drivers that can be used interchangeably in compound or reentrant horns. Used on either type of horn, the new Electro-Voice Convertible Drivers feature highest efficiency available. Increased power handling plus extra increased efficiency make the 40 and 50-watt drivers uniquely useful where high power at minimum cost is essential. The high efficiency of all E-V Convertible Drivers is achieved without resorting to "peaked" response which may increase loudness, but does reduce intelligibility. The smooth response of these drivers insures most natural reproduction of voice and music for more satisfying quality with vastly reduced feedback problems and greatly increased tonal range. Double flux ceramic magnets provide long-lasting high efficiency in entirely new low-loss magnetic circuits. Edgewise-wound ribbon voice coils give 18% more energy.

The drivers are rugged and weatherproof; conversion to either reentrant or compound use can be made instantly in the field. Voice coils are also field replaceable, thus reducing repair costs to a minimum. E-V Convertible Drivers are available with 16 or 45-ohm voice coils or with built-in 70.7-volt line constant voltage transformers. This entirely new design concept gives better performance at minimum cost, making E-V Drivers your best buy.

	DC30A	DC30T	DC40	DC40T	DC50	DC50T
Frequency Response††	150-10,000	150-10,000	140-11,000	140-11,000	140-11,000	140-11,000
Program Power Capacity	30	30	40	40	50	50
Sound Pressure Level†	117 db	117 db	120 db	120 db	124 db	124 db
Level†	126 db	126 db	129 db	129 db	131 db	133 db
Voice Coil Impedance	16**	16	16**	16	16**	16
Transformer Impedances, Ohms	107, 333, 1000, 2900	107, 333, 1000, 2900	125, 250, 500, 1000	125, 250, 500, 1000	100, 143, 200, 500	100, 143, 200, 500
Transformer Power Taps, Watts	30, 15, 5, 2.5	30, 15, 5, 2.5	40, 20, 10, 5	40, 20, 10, 5	50, 25, 12.5, 6.25	50, 25, 12.5, 6.25
Dimensions (overall)	5½" dia. 3" l.	5½" dia. 5½" l.	6½" dia. 4½" l.	6½" dia. 6" l.	6½" dia. 4½" l.	6½" dia. 6" l.
List Price	\$31.00	\$41.00	\$40.00	\$52.50	\$52.50	\$63.50

†Measured at 4' on-axis with full rated power from 750-1250 cps.

**Available with 45-ohm voice coil at \$1.50 list additional.

††Measured on-axis with FC100 horn.

All E-V public address speakers are eligible for FCDA purchases.

Electro-Voice PA SPEAKERS AND ACCESSORIES

PAGING SPEAKERS

Effective paging systems require not only efficient loudspeakers, but also natural sound quality free from peaks that cause listening fatigue and acoustic feedback. No better speakers for clear natural voice paging are available than the new Electro-Voice Model 844 and the improved Model 847 CDP.

Model 844—Low-cost paging speaker for medium-angle sound distribution. Features smoothest response in its class with better lows to provide natural, pleasing paging without feedback. Handles twice the power—30 watts—to reduce costs. Rugged diecast horn plus field-replaceable voice coil keeps service costs at a minimum. Precision manufacturing assures long-lasting reliability under the toughest conditions.

Specifications: Frequency response, 250-13,000 cps; power handling capacity, 30 watts; nominal impedance, 8 ohms; dispersion, 90°; EIA sensitivity rating, 51 db; sound pressure level, 120 db; dimensions, 9 3/4" diameter x 8 5/8" deep; Net Weight, 5 lbs. 10 oz.; Shipping Weight, 8 1/2 lbs. List Price..... **\$36.50**

Model 844-45—Same as standard 844, but with 45-ohm voice coil for simple installation in intercom systems. List Price..... **\$38.00**

Model 847—Utilizing the famous CDP Principle—this newly improved wide-angle speaker provides higher articulation without annoying "peaked" response over a uniform 120° x 90° area. Extremely low distortion results from the use of TWO diffraction horns—each covering only half of the voice range. 25-watt power handling capacity means more volume from fewer speakers. Fiberglass horn has Mesa Tan color molded in.

Specifications: Frequency response, 250-10,000 cps; power handling capacity, 25 watts; sound pressure level, 114 db; dispersion, 90° x 120°; impedance, 16 ohms; dimensions, 11 1/4" x 7 3/4" x 10 5/8"; Net Weight, 8 lbs.; Shipping Weight, 10 lbs. List Price..... **\$51.00**

Model 847-45—Same as standard 847, but with 45-ohm voice coil for simple installation in intercom systems. List Price..... **\$52.50**



844



847

HI-FI OUTDOOR WEATHERPROOF SPEAKERS

Musicaester speaker system provides true high fidelity performance in a compact, portable system. Sturdy aluminum diecast housing protects weatherproof cone speaker and extends bass response through back-loaded folded horn. Dual Radax cone radiates smooth useful highs through 120° angle. Can be mounted anywhere or used as portable speaker. Provision for mounting 70.7-volt line transformer inside. Ideal for square dances, school auditoriums, clubs, outdoor hi-fi or anywhere that music and voice must be reproduced with maximum clarity.

Specifications: Frequency response, 60-13,000 cps; nominal impedance, 8 ohms; dispersion, 120°; power handling capacity, 30 watts program; sound pressure level, 110 db; dimensions, 21 1/2" x 21 1/2" x 8 1/2"; Net Weight, 31 lbs.; Shipping Weight, 34 lbs. List Price..... **\$90.00**

Musicaester II—Same fine performance as Musicaester above, except has added brilliance and wider coverage from RE36 Very-High-Frequency Range Extender. Smooth response to 18,000 cps. Complete with crossover. Net Weight, 33 lbs. Shipping Weight, 36 lbs. List Price..... **\$125.00**

Model MB-1—Surface mounting bracket allows mounting of any Musicaester flat against wall for neat unobtrusive installation. Replace standard "U" bracket. Shipping Weight, 1 lb. List Price..... **\$4.50**

Musicaester



MB-1

TRANSFORMERS AND ACCESSORIES

Model TH—Transformer Housing. Provides neat weatherproof mounting of any E-V transformer. Mount vertically or horizontally on any flat surface or on horn bracket. Exclusive wattage indicator tells power setting at a glance. No soldering required with E-V transformers. Size: 4" h., 5" w., 3 1/2" d. Net Weight, 1 lb. 11 oz. Shipping Weight, 2 1/2 lbs. List Price..... **\$8.50**

Model TR5—5-watt 70.7-volt line transformer. Primary impedances taps 1000, 2000, 4000, 8000 ohms; 5, 2.5, 1.25 and .675-watt line power taps. 4, 8 and 16 ohms secondary impedances. Accepts solderless terminals in TH housing. Frequency response ± 2 db, 35-20,000 cps. Insertion loss 0.5 db. Overall dimensions 2" x 1 1/2" x 1 1/4". Mounting hole centers, 1 3/4". Shipping Weight, 1 lb. List Price..... **\$5.00**

Model TR15—Same as TR5 except 15-watt capacity with primary impedances of 333, 500, 1000, 2000 ohms and 15, 10, 5, 2.5-watt line power taps. Overall dimensions 1 3/4" h., 2 1/4" w., 2 1/4" d. Mounting hole centers, 2 1/4". Shipping Weight, 1 1/2 lbs. List Price..... **\$6.00**

Model TR30—Same as TR15 except 30-watt capacity with primary impedances of 167, 250, 500, 1000 ohms and 30, 20, 10 and 5-watt line power taps. Overall dimensions 1 3/4" h., 2 1/4" w., 2 1/4" d. Mounting hole centers, 2 1/4". Shipping Weight, 1 1/2 lbs. List Price..... **\$7.00**

Model TR50—Same as TR15 except 50-watt capacity with primary impedances of 100, 125, 200, 333, ohms and 50, 40, 25 and 15-watt line power taps. Overall dimensions 2 1/4" h., 2 1/4" w., 2 1/4" d. Mounting hole centers, 2 1/4". Shipping Weight, 2 lbs. List Price..... **\$9.00**

Model AP-1—Pipe stand adapter for mounting any E-V speaker "U" bracket to standard 1/2" pipe. Shipping Weight, 1 lb. List Price..... **\$2.50**

Model AD-1—Driver adapter allows use of E-V Convertible Driver on horns with 1 1/4"-16 thread (W.E.—RCA) for improved performance. Shpg. Wt., 1 lb. List Price..... **\$3.00**

Model AD-2—Horn adapter allows use of E-V recirculant horns with drivers having 1 1/4"-16 thread (W.E.—RCA) for improved performance. Shpg. Wt., 1 lb. List Price..... **\$3.00**

Model RA-1—Radial Adapter instantly converts FC100 horn or 848 projector to "radial" applications. Superior to typical "360°" projectors. Diffraction horns give better spread and adapter reflects sound off-axis, to eliminate hot spot. No tools required. Extends 2 1/2" in front of FC100 horn with DC30A. Shpg. Wt., 1 lb. List Price..... **\$6.00**

Model RE35—Range Extender mounts on 848 or FC100 to improve response and dispersion of highs. 30-watt capacity. Response 3500-18,000 cps. 16 ohms impedance. Complete with crossover, mounting bracket. Shipping Weight, 4 1/2 lbs. List Price..... **\$40.00**

Model RE36—Range Extender Kit. Converts Musicaester to Musicaester II. Includes driver, bezel, crossover and wiring harness. Shipping Weight, 4 1/2 lbs. List Price..... **\$37.50**

Model 875—Joining Kit for two or more 848, FR150 or FC100 horns in multiple array. One kit required for each junction of two horns. Shpg. Wt., 1 lb. List Price..... **\$2.75**



TH

AP-1



RA-1



RE35

DRIVER	8 Ohm	16 Ohm	45 Ohm
828 or DC30		8023	8427
844 (DS30)	8410		8421
DC30A/DC30T		8577	8617
DC40/DC40T		8573	8618
DC50/DC50T		8574	8619
List Price	\$10.50	\$10.50	\$12.00

Diaphragm Replacement Kits allow easy field maintenance or conversion of E-V Drivers.

Note: Sound Pressure Level is measured at 4' on-axis with full rated power from 750 to 1250 cps.

All E-V public address speakers are eligible for FCDA purchases.



CITIZENS' BAND TWO-WAY RADIO EQUIPMENT



4305



4304



4303

FIXED OR MOBILE TWO-WAY RADIO

NEW MODEL 4305 UNIVERSAL TRANSCEIVER

Extremely versatile transmitter-receiver operates virtually anywhere—powered by 6 or 12 v. DC, or 117 v. AC. Install it in office, home, farm or any mobile location. Ideal for cars, trucks, construction machinery or marine application.

Easy to install, the RME 4305 requires no technical knowledge or special training to operate. Select up to two crystal-controlled, transmit and receive channels. Receiver is also tunable to any of 23 Citizens' Band channels.

Comes complete with crystals for one channel, and push-to-talk microphone. Controls include Adjustable Squelch; Receiver Tuning; Volume On-Off; Channel Selector; and Antenna Loading. Range varies with terrain and antenna (not supplied), but reliable two-way communications may be achieved up to 30 miles between fixed stations; up to 15 miles with mobile units under favorable conditions.

Power Input: 5 watts. Selectivity: 6 db at 10 kc. Tube Complement: 6U8A, 6HNS, 6AQ5, 6CX8, 1N48, 3-6BA6. Power Required: 60 watts, 6 or 12 v. DC, or 117 v. AC. Tuning Range: 26.965 to 27.255 mc, receiver. Size: 5" high, 9½" wide, 8½" deep. Weight, 12¼ lbs.

Consumer Price..... **\$160.00**

HAND-HELD, TWO-WAY RADIOS

NEW MODEL 4304 TRANSCEIVER

Specifically designed for heavy-duty, industrial applications where operating ease and small size are important. Extra-rugged Royale case provides maximum protection and durable beauty. Only two controls: On-Off/Volume and Push-to-Talk. One mercury battery (not supplied) provides extended service life at low cost per hour.

Built-in speaker-microphone plus earphone jack for confidential reception. Comes with conveniently retractable whip antenna. Transmitter is crystal controlled for 90-milliwatt input to antenna. Both transmitter and superhet receiver meet all FCC regulations; not available for Channels 1 and 2 under Part 15. Requires no license. Transistorized engineered to assure trouble-free operation. Ideal for moderate range, line-of-sight applications.

Transistor and Diode Complement: 2N384, 3552A, 1N295, 2N371, 2N591, 2N270, 2-2N373. Power Input: 90 milliwatts. Battery: Use one NEDA type 1810M. Size: 7½" high, 3¼" wide, 2" deep. Weight, 1 lb., 5 oz. including battery.

Consumer Price (less battery)..... **\$115.00**

MODEL 4303 TUNABLE TRANSCEIVER

Hand-held, portable, completely transistorized, requires no license to operate. Uses superhet receiver with better than 2 µv sensitivity for good, long-range reception even under adverse conditions. Built-in speaker-microphone for convenience. Not available for Channels 1 and 2, FCC Part 15.

Receiver tunes all 23 Citizens' Band channels, 26.96 to 27.27 mc. Transmitter is crystal controlled with a power input of 90 milliwatts. Convenient 34", retractable whip antenna is supplied. Only two batteries (not supplied) are required for operation. Neat aluminum exterior; carrying case supplied.

Controls: On/Off-Volume; Receiver Tuning; Push-to-Talk. Transistor and Diode Complement: 2N384 (or 3552A), 2N373, 1N295, 2N371, 2N591, 2N270. Batteries: Use two NEDA type 2. Size: 9½" high, 3¼" wide, 1¾" deep. Weight, 1¾ lbs., with batteries. Consumer Price (less batteries)..... **\$99.50**

ABOUT CITIZENS' BAND RADIO . . .

In 1958, the Federal Communications Commission set aside the 11-meter radio band for use by any U.S. citizen, age 18 or over. This band is divided into 23 channels and maximum power is presently restricted to 5 watts. If the station power output is less than 100 milliwatts (as is true of the RME 4303 and 4304), no license of any kind is required. For the 4305, a simple form (FCC Form 505) must be filed.

The uses to which the Citizens' Band may be put are virtually unlimited. Typical uses include farm, crowd control, inventory, marine, emergency, exploration, surveying, construction, material handling, dispatching, and a host of others. Whether used for business or pleasure, the Citizens' Band provides simple, low-cost, two-way communications.

Installation of RME Citizens' Band equipment, where required, is simple and does not require technical training. Hand-held RME units are ready to operate, and require only occasional replacement of easy-to-obtain batteries. Your RME dealer will be happy to give you expert advice concerning the selection of the RME equipment and accessories best suited to your application.



COMMUNICATIONS EQUIPMENT

NEW MODEL 6900 COMMUNICATIONS RECEIVER

A completely fresh approach to the functional design of amateur radio receivers. Famous RME "No Compromise" design incorporates every feature needed for top performance in SSB, AM and CW. Covers all five amateur communication bands—plus, 10-11 mc for WWV and WWVH. Provides limiting action at the IF frequency, allowing extremely effective copying of CW and SSB, as well as AM. Noise pulses never reach AGC system. Adjusts to clip at any modulation depth, compensating automatically for signal strength variations. High oscillator stability overcomes problems arising from line voltage shift. Silicon diode power supply rectifiers reduce internal heat, improve regulation, provide longer life.

Other "plus" features include: BFO injection... exclusive dial calibrator... exclusive Modemaster switch providing unified control of five individual functions... direct-reading S-meter... logging scale... adjustable T-notch... provision for phone patch. Eleven controls (in addition to bandswitching and tuning): Modemaster, Calibration Adjust, Heterodyne Rejection, BFO Pitch, Crystal Calibrator, Antenna Trim, Noise Limiter, BFO Injection, AF Gain, RF Gain, Transmit/Standby/Receive.

Tube complement: 6BA6 (RF amp.), 6U8A (1st mixer, stabilized osc.), 6U8A (2nd mixer, xtal osc.), 6CA (1st IF, T-notch driver), 6BA6 (2nd IF), 6BA6 (3rd IF), 6AL5 (dynamic noise limiter), 6T8 (2nd detector—full wave—1st audio, AGC line charging diode), 6AQ5A (2nd audio—output), 6B2 (voltage regulator), 6CB6 (crystal calibrator osc.), 12AT7 (product detector and BFO), plus two type 1N1763 power rectifiers.

Attractive gray color with charcoal trim and heavy steel beading. IF bandwidth (selectivity): AM—3.5 kc, 2.0 kc, CW—0.5 kc. Sensitivity: Better than 1 μ v, 30% modulation for 100 mw output on all bands. Output impedance: 500-ohm and 4-ohm. Signal-to-noise ratio: 10 db at 1 mv input. Tuning dial: 10" single slide rule type. Single dial tuning with "personalized" feel—achieved through use of eight spring-loaded, precision gears and a finely-balanced flywheel. Size: 17" wide, 10" high, 12 1/4" deep overall. Shipping Weight, 36 1/2 lbs. Net Each, \$349.00



6900



6901

NEW MODEL 6901 SPEAKER

Housed in an attractive and rugged steel cabinet, the Model 6901 speaker is designed to complement the appearance of Model 6900 and other quality receivers. Neat, modern design finished in gray and charcoal. Response characteristics are tailored for optimum readability in communication. Speaker impedance, 4 ohms nominal. Size: 10" high, 6 1/2" deep, 8 1/2" wide. Shipping Weight, 5 1/2 lbs. Net Each, \$19.50

MODEL VHF126 VERY-HIGH-FREQUENCY CONVERTER

Designed for use with any conventional communication receiver to extend its range to cover 1 1/2, 2 and 6 meters. The only tunable VHF converter on the market; works well with any receiver that will tune to 7 mc. With ranges of 48.4 to 54.2 mc, 143.4 to 149.2 mc, and 219.4 to 225.2 mc, MARS and CAP are covered on 2 meters and sufficient overlap on 6 meters allows listening to commercials for band openings.

The very-high frequencies are converted by the VHF126 to a fixed frequency of 7 mc; then fed to the receiver, amplified and detected in a normal manner (double-conversion results in the two higher frequency ranges). On all ranges the image response is practically eliminated because the output (50 mc tuner) is 7 mc and the first IF for the fixed tuned crystal-controlled unit is 50 mc. The receiver will function in a normal manner. The quality of the converted signal will be controlled by the quality of the associated receiver; excellent performance when used with the RME 4350A receiver.



VHF126

Heavy steel cabinet and chassis, and adequate shielding minimize radiation (within FCC limits). An RME dual-speed tuning control provides fast or micrometer tuning. Noise figure, 2.5 db on 50 mc, 4.0 db on 144 db, 6.0 db on 220 mc. Sensitivity, 1/2 microvolt at 15 db signal-to-noise ratio. Frequency drift, 25 kc or less five minutes after warmup (measured on 50 mc); after 30-minute warmup random drift averages a maximum of 500 cycles. Calibration, direct, mc, subdivided in 100 kc divisions. Panel controls: Antenna changeover switch, band selector, tuning control, line switch. Tubes: 6HQ7A Cascode RF Amp 50 mc, 6U8 Mixer-Cathode Follower 50 mc, 6AF4A Tuner Osc., two 6AM4 Grounded Grid Amp-Fixed Converter, two 6HQ7A Osc-Doubler-Fixed Converter, two 6HQ7A Mixer-Followers-Fixed Converter, 5Y3GT Rectifier, OA2 Voltage Reg. Gunmetal gray finish. Coax antenna input for each band, coax fitting for RG58/U cable. Terminal strip provided for receiver low-frequency antenna. Size: 16 1/2" w., 10" d., 10" h. Shipping Weight, 32 lbs. Net Each, \$239.00



DB23

MODEL DB23 PRESELECTOR

Improves performance of any receiver. Three 6J6 twin triodes used as neutralized push-pull stages in a combination of selective and wide band RF amplifiers. Minimum gain of 20 db through all ham bands from 3.5 to 30 mc. Signal-to-noise ratio improvement! better than 7.5 db over that of the receiver alone. Input circuits match any standard antenna. Built-in power supply. Compact case finished in blue-gray. Size: 5" h., 7 1/2" w., 6" d. Shipping Weight, 6 1/2 lbs. Net Each, \$49.50

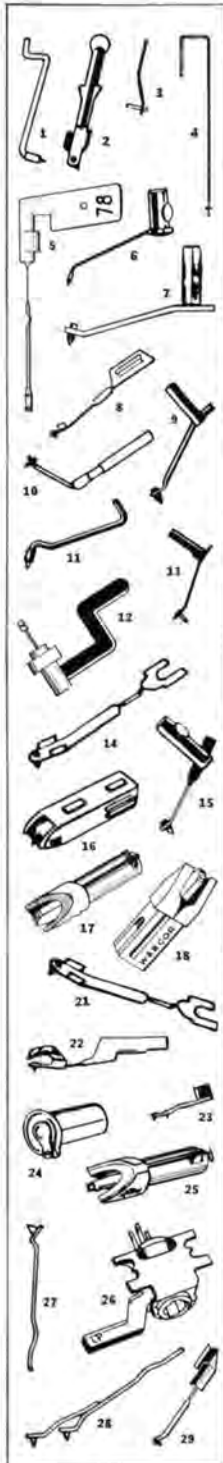


KD88

MODEL KD88 HAM OPERATING TABLE KIT

Specifically for amateur use, the KD88 provides an attractive, functional equipment table. The sloping top provides space for receiver, speaker, exciter, key, mike, and for writing. Hide-away leaf pulls out for extra equipment; front ports for call and log books. Knock-down kit form; joints are tongue-and-groove for easy, permanent assembly. Made of durable gunwood suitable for any finish; all exposed edges are covered with grained wood for extra-beauty; mar-proof top. Assemble with only screwdriver and hammer, with easy step-by-step instructions. Size: 30" h., 54" w., 32" d. Net Each, \$57.50

Electro-Voice POWER POINT® REPLACEMENT NEEDLES



FOR ACOS CARTRIDGES

Fits Manufacturer's Cartridge Number	Fig.	Point Size	Jewel and Osmium Tip E-V No.	List	Diamond Tip E-V No.	List
HGP-37	1	LP 78	2000	\$2.50	2000D	\$ 9.95
HGP-39	2	LP 78	2002	2.50	2002D	9.95
GP65	3	LP 78	2004	2.50	2004D	9.95
71	4	S-LP	2006	2.50	2006D	9.95
73-1	5	S-3	2007*	3.50	2007DS†	10.95

FOR AMERICAN MICROPHONE CARTRIDGES

C-1, 2, 3; CR-5, 6, 7; CR-5S, 6S, 7S	6	LP 3	2030	\$1.50		
	6	3	2031	1.50		
	6	78	2032	1.50		
X-101B, C; X-105B, C; X-106, B, 107	7	LP 3	2033	2.50	2033D	\$ 9.95
	7	3	2014	2.50		
	7	78	2015	2.50		
H101, H102, H103	8	LP 3	2036	2.50	2036D	9.95
	8	3	2037	2.50		
	8	78	2038	2.50		

FOR ASTATIC CARTRIDGES

AC, ACD Series; 40, 41, 42, 90 TJB Series (Admit. 409A16; RCA76257, 988370-2)	9	LP 3	2100	\$2.50	2100D	\$ 9.95
	9	3	2101	2.50		
	9	78	2102	2.50		
LT-1, 2, 3, 4, 5, 5D, 5AG, 33 Series; 60-2 (Col. M105; Zenith 56-256)	10	LP 3	2103	2.50	2103D	9.95
	10	3	2104	2.50		
	10	78	2105	2.50		
GC Series, 51, 53, 59 Series; 402, 402M (RCA 74984, 76297; Sono. 7590 Series)	11	LP 3	2106	2.50	2106D	9.95
	11	3	2107	2.50		
	11	78	2108	2.50		
GCD, 53T, 55T, 409 (Zen. 56-360)	12	3	2109*	3.50	2109DS†	10.95
62-1, 64, 66, 68 Series; 405, 406 (Zenith 56-553, 354)	13	LP 3	2110	2.50	2110D	9.95
	13	3	2111	2.50		
	13	78	2112	2.50		
118, 120, 124, 310, 312, 414, 416, 420, 422, 424, 426 Series (Also Ronette)	14	LP 3	3000	2.50	3000D	9.95
	14	3	3001	2.50		
	14	78	3002	2.50		
57-T (Used in Webeor)	12	3	2113*	3.50	2113DS†	10.95
CAC, CQ, LOD, QT Series; 36, 38, 44, 46, 48, 62T Series; 403, 430 (Magvx. 560052), 1413, 1513	15	LP 3	2114	2.50	2114D	9.95
	15	3	2115	2.50		
	15	78	2116	2.50		
13T, 13TX	16	S-LP 3	11*	6.95	11DS†	12.95
81T, 81TX	16	LP 3	81*	3.95	81DS†	9.95
89T, 89TX	16	3	89*	4.95	89DS†	10.95
93T-1	17	LP 3	51-1*	3.95		
93T-2	17	3	52-2	3.95		
93T-3	17	78	53-3*	3.95		
93T, 93TX	17	3	56*	3.95	56DS*	9.95
91T, 91TX	18	3	76*	3.95	76DS*	9.95

FOR BSR (BIRMINGHAM SOUND) CARTRIDGES

BSR Reproducers	21	S-LP 78	2420	\$2.50	2420D	\$ 9.95
			3002	2.50		

FOR CBS-HYTRON CARTRIDGES

Columbia SC-1	22	S-LP	2450	\$3.50	2450D	\$10.95
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FOR DUAL (UNITED AUDIO) CARTRIDGES

CDS-2, CDS-3	23	3	2500*	\$3.95	2500DS†	\$10.95
United Audio Stereo	23	S-3	2501*	3.95	2501DS†	10.95

FOR ELAC MIRATWIN CARTRIDGES

MST-2A, MST-2D	24	LP 78	2550	\$3.50	2550D	\$ 9.95
			2551	3.50		

FOR ELECTRO-VOICE CARTRIDGES

51-1 (Red)	17	LP 3	51-1*	\$3.95		
52-2 (Green)	17	3	52-2*	3.95		
53-3 (Black)	17	78	53-3*	3.95		
56 (Blue), 56DS (Pink)	17	3	56*	3.95	56DS†	\$ 9.95
76 (White), 76DS (Pink)	18	3	76*	3.95	76DS†	9.95
61 (Rd. SIL), 61DS (Rd. Gld.)	25	S-LP	61*	5.95	61DS†	12.95
66 (Bl. SIL), 66DS (Bl. Gold)	25	S-3	66*	5.95	66DS†	12.95
10, 11, 12, 13, 14, 20, 22, 32, 33, 34, 42, 44, 46, 47, 72, 73, 74, 82, 84, 86, 96 (Adm. 409A13)	27	LP 3	2600	2.50	2600D	9.95
	27	3	2601	2.50		
	27	78	2602	2.50		
16, 16TT	28	3	2603*	3.50	2603DS†	10.95
Stereo 21 and 26 Series	29	S-LP 78	2604	2.50	2604D	9.95
	29		2605			
14, 15, 50, 60, 60H						

Use choice conventional all-purpose needles.

PT-2 or PT-3 Mounts (Fig. 26)—For E-V Power-Point cartridges. List Each..... \$1.00
 *Twin jewel (synthetic) points. †Code: LP—For 45 and 33 1/2 rpm. 3—All speeds. 78—78 rpm. S-LP—Stereo plus 45 and 33 1/2 rpm. S-3—Stereo and 78 rpm. TR—2.5 mil tip for transcription. †Twin point, diamond-jewel, ‡Precious metal tip. **Twin point precious metal. ††Twin point dual diamond. #Write for price.

Electro-Voice POWER POINT[®] REPLACEMENT NEEDLES

FOR GARRARD CARTRIDGES

Fits Manufacturer's Cartridge Number	Fig.	Point Size†	Jewel and Osmium Tip E-V No.	List	Diamond Tip E-V No.	List
GC-2	30	LP 78	2700	\$3.50	2700D	\$10.95
			2701	3.50		

FOR GENERAL ELECTRIC CARTRIDGES

RPX-040, 41, 42, 46, 61, 63 and 9D	31	LP	2725	\$3.50	2725D	\$ 9.95
	31	78	2726	3.50	2727D	9.95
	31	TL	2727	3.50	2728D	9.95
RPX-040A, 41A, 61A, 63A or any RPX Series with clip-in holder	32	LP	2728	3.50	2730D	9.95
	32	78	2729	3.50		
	32	TR	2730	3.50		
RPX-047, 50, A, 51, 52, A, 53, A, 12D, UPX-11	33	LP	2731*	5.95	2731DS†	10.95
	33	3	2732*	5.95	2732DS†	10.95
VR-II, 4G-040, 41, 50, 52, 53, 61, 63 only; not interchangeable with earlier	34	LP	2733	3.50	2733D	9.95
	34	TR	2734	3.50	2734D	9.95
	34	78	2735	3.50		
Stereo GC-7, CL-71 and GC-5	35	S-LP	2736	3.50	2736D	9.95
	35	S-LP			2737D	9.95

FOR GOLDRING (RECOTON) CARTRIDGES

Recoton 500	36	LP 78	2800	\$3.50	2800D	\$ 9.95
			2801	3.50		

FOR MAGNAVOX CARTRIDGES

560101, 560133, 560151 Series	37	3 LP	2810*	\$3.75	2810DS†	\$10.95
			2811*	3.75	2822DS†	10.95

FOR PERPETUUM-EBNER CARTRIDGES

Rex P-12	38	3	2850*	\$3.75	2850DS†	\$10.95
PE-8, PE-10	39	3	2851*	3.75	2851DS†	10.95
P-7000	40	LP	2852	3.75	2852D	10.95
	34	78	2853	3.75		
PE Stereo	See Ronette BF-40 Cartridge					

FOR PHILCO CARTRIDGES

35-2682, 45-1609, 1612, 9792; 76-1053	41	LP	2875*	\$1.50	2875D	\$ 9.95
COL45-9530 Dyn. Reproducers; Phil. 45-9612, 9785; 76-1689; 425-0009, 001, 0014	42	3	2876*	3.50	2876DS†	10.95

FOR PHILIPS CARTRIDGES

AG-3001-10	43	3	2890*	\$4.50	2890DS†	\$10.95
AG-3010, 12, 13, 15	44	LP 78	2891	2.50	2891D	9.95
			2892	2.50		

FOR RCA CARTRIDGES

39851, 74087, 9890, 39910, 75076, 9953, 70332, 38453, 70338, 38508, 70339, 39550, 72551	45	LP	2900	\$2.50	2900D	\$ 9.95
	45	78	2901	2.50		
75475, 75575, 75625, 76318, 77779	46	LP	2902	2.50	2902D	9.95
	46	78	2903	2.50		
Stereo RPM-200 Series 106770, 106771, 106960	47	S-LP	2904	2.50	2904D	9.95
	47	78	2905	2.50		
Stereo 106960-2	48	S-3	2906*	3.50	2906DS†	10.95

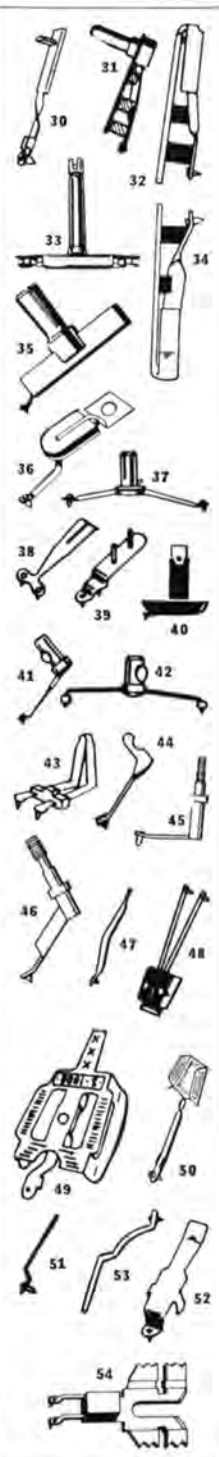
FOR RONETTE CARTRIDGES

Fonofid, Collaro Studio O and P, Astatic 118, 120, 124, 310, 312, 414, 416, 420, 422, 424, 426 Series	49	LP	3000	\$2.50	3000D	\$ 9.95
	49	78	3001	2.50		
Ronette Superfluid	49	78	3002	2.50		
	49	LP	3003	3.50	3003D	10.95
	49	78	3004	3.50		
Stereo BF-40	50	S-LP	3005	2.50	3005D	9.95
Monophonic DX-422, SCW-395, TC-500	50	LP	3006	2.50	3006D	9.95
	50	3	3007	2.50		
	50	78	3008	2.50		

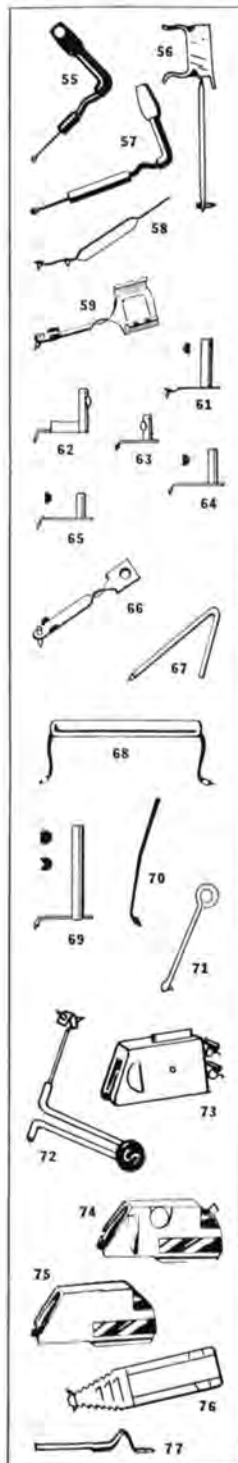
FOR SHURE CARTRIDGES

PC-42AD W72, Admiral 409B19-S	51	LP	3100	\$2.50	3100D	\$ 9.95
	51	78	3101	2.50		
PC-29, 10, 11, 12, 13, 14, 30, 40, 41, 72V, PN-30, 31, PS-20; W-21, 31AR, 60-PN; WC-22, 24, 3104, 31, 33, 36, 38, 60B	52	LP	3102	3.50	3102D	9.95
	52	3	3103	3.50		
	52	78	3104	3.50		
P-30, 35, 37, 70, 71, 72, 73, 75, 76, 77, 79, 81; PC-30, 41AD; PN-30, 31; W-21, 22, 23, 26, 61, 65, 66, 68; WC-24, 60	53	LP	3105	2.50	3105D	9.95
	53	3	3106	2.50		
	53	78	3107	2.50		
P-7, 8, 9; PC-2, 3; W-9; WC-10	54	LP	3108*	4.00	3108DS†	10.95
	54	3	3109*	3.50	3109DS†	10.95
	54	3	3110*	4.00	3110DS†	10.95
	54	LP	3111*	4.50	3111DS†	10.95

*Twin jewel (synthetic) points. †Code: LP—For 45 and 33 1/3 rpm. 3—All speeds. 78—78 rpm. S-LP—Stereo plus 45 and 33 1/3 rpm. S-3—Stereo and 78 rpm. TR—2.5 mil tip for transcriptions. ‡Twin point, diamond-jewel. §Precious metal tip. **Twin point precious metal. ††Twin point dual diamond. ‡Write for price.



Electro-Voice POWER POINT® REPLACEMENT NEEDLES



FOR SONOTONE CARTRIDGES

Fits Manufacturer's Cartridge Number	Fig.	Point Size†	Jewel and Osmium Tip E-V No.	List	Diamond Tip E-V No.	List
W-9980; 2T Series; 5T Series; 7T Series	55	LP	3200*	\$3.50	3200DS†	\$10.95
	55	3	3201*	3.50	3201DS†	10.95
1P Series; 5P Series	56	LP	3202	2.50	3202D	9.95
	56	3	3203	2.50		
	56	78	3204	2.50		
3T Series	55	LP	3205*	4.00	3205DS†	10.95
	55	3	3206*	4.00	3206DS†	10.95
3-P Series	56	LP	3208	3.00	3208D	9.95
	56	3	3209	3.00		
	56	78	3210	3.00		
ST4 Series Stereo	57	2-LP	3211*	3.50	3211DS†	10.95
	57	2-LP	3212*	3.50	3212DS†	10.95
	57	2-3	3212*	3.50	3212DS†	10.95
	57	2-3	3213*	3.50	3213DS†	10.95

FOR TELEFUNKEN CARTRIDGES

TTSA	58	3	3300*	\$3.95	3300DJ†	\$10.95
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FOR VACO CARTRIDGES

T-45, etc.; S-45	59	LP	3325	\$2.50	3325D	\$ 9.95
	59	3	3326	2.50		
	59	78	3327	2.50		
M-50		3	3328	2.50		

FOR WEBSTER ELECTRIC CARTRIDGES

Fits Manufacturer's Cartridge Number	Fig.	Point Size†	Jewel and Osmium Tip E-V No.	List	Diamond Tip E-V No.	List
A1; A1M; A2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 Series, some with suffix A, B or 1M	61	LP	3400	\$2.50	3400D	\$ 9.95
	61	3	3401	2.50		
	61	78	3402	2.50		
	62	LP	3403‡	1.50		
A1M1; AG1, 3, 7, 9, 10, 11	63	LP	3404‡	1.50		
	63	78	3405‡	1.50		
R1M, 2M, RG-1M	64	LP	3406‡	1.50		
	64	78	3407‡	1.50		
AN, RGX, RX, RG-2M, RG-3M, 4M	65	LP	3408‡	1.50		
	65	78	3409‡	1.50		
A100, 103, 160, B202 (Fit Ronette or Asiatic if round hole desired)	66	LP	3410	2.50	3410D	9.95
	66	3	3411	2.50		
	66	78	3412	2.50		
P1-2, P2-1, P2-2, 8PX	67	LP	3413	2.50		
	67	3	3414	2.50		
F-14	68	3	3415**	2.50		
F-15, F-18, F-19 Series	69	LP	3416‡	1.50		
	69	78	3417‡	1.50		
F-16 Series	69	LP	3418‡	1.50		
	69	78	3419‡	1.50		
F-20, F-21, F-22, F-24 Series	69	LP	3420‡	1.50		
	69	78	3421‡	1.50		
G-1, 2, 3, 4, 6, GX	70	LP	3422‡	1.50		
	70	3	3423‡	1.50		
	70	78	3424‡	1.50		
Stereo MC-1; SC-1D Old type	69	S-LP	3425	2.50	3425D	9.95
	66	78	3412	2.50		
MC-1, SC-1D New type Stereo	71	S-LP	3426	3.50	3426D	9.95
	71	78	3427	3.50		
SC-TD Stereo	72	S-3	3428*	3.50	3428DS†	10.95

FOR ZENITH COBRA CARTRIDGES

142-74 (Black-White)	73	LP			3500D	\$15.00
142-71 (Blue)	74	LP	3501	\$5.00		
142-72 (Yellow)	74	3	3502	5.00		
142-76 (Gray), 142-77 (Brown)	75	3	3505*	7.50	3504DS†	16.50
142-88 (White), 142-87 (Purple)	76	3	256*	3.95	256DS†	9.95
142-89 (Brown)	76	LP	251-1*	3.95		

FOR THUMB SCREW AND SET SCREW CARTRIDGES

All thumb screw and set screw type cartridges: Astatic, Electro-Voice, RCA, and Webster Electric	77	LP	3800	\$1.50	3800D	\$ 9.95
	77	LP	3801‡	1.00		
	77	3	3802	1.50	3802D	9.95
	77	3	3803‡	1.00		
	77	3	3804‡	.50		

*Twin jewel (synthetic) points. †Code: LP—For 45 and 33 1/3 rpm. 3—All speeds. 78—78 rpm. S-LP—Stereo plus 45 and 33 1/3 rpm. S-3—Stereo and 78 rpm. TR—2.5 mil tip for transcriptions. ‡Twin point, diamond-jewel. †Precious metal tip. **Twin point precious metal. ††Twin point dual diamond. ‡Write for price.

Electro-Voice REPLACEMENT PHONO CARTRIDGES

POWER POINT® PLUG-IN CARTRIDGES

The modern way to replace cartridges or needles: Electro-Voice Power Point Plug-In Cartridges. A fresh, new cartridge with every needle change. Two new stylus with every cartridge. Out-perform old-style replaceable-needle cartridges. Wide range response, high compliance. No mount is needed to replace an E-V Power Point cartridge: just slip the old Power Point cartridge out and slip in the new one. For conversion from old-style cartridge, to Power Point cartridges, use the proper mount. Response: 20-15,000 cps. Output: Monophonic models, 1 volt; stereo models, .5 volt. Compliance: 1.5 (both vertical and lateral, in the case of stereo models). Tracking force, 5-7 grams. All cartridges color coded for easy identification.

COMPATIBLE STEREO-MONOPHONIC MODELS

For 33 $\frac{1}{3}$, 45 and 78 rpm

Model 66—With one 0.7-mil sapphire tip and one 3-mil sapphire tip. Blue case, silver cap. List Price.....\$5.95

Model 66DS—With one 0.7-mil diamond tip and one 3-mil sapphire tip. Blue case, gold cap. List Price.....\$12.95

Model 61—Exact Astatic replacement. With one 0.7-mil sapphire tip and one 3-mil sapphire tip. Green case with white dot. List Price.....\$6.95

Model 13DS—Exact Astatic replacement. With one 0.7-mil diamond tip and one 3-mil sapphire tip. Green case with orange dot. List Price.....\$10.95

For 33 $\frac{1}{3}$ and 45 rpm

Model 61—With two 0.7-mil sapphire tips. Red case, silver cap. List.....\$5.95

Model 61DS—With one 0.7-mil diamond tip and one 0.7-mil sapphire tip. Red case, gold cap. List Price.....\$12.95

MOUNTS FOR STEREO MODELS

Fixed Type

Model PFT-3—For use with Stereo Power Point cartridges having both stylus of the same radius (66 and 61DS). With all necessary hardware. For arms with std. $\frac{1}{8}$ " and $\frac{1}{4}$ " mtg. centers. List Price.....\$1.00

Turnover Type

Model PT-3—For use with Stereo Power Point cartridges having 2 stylus of different radius (66 and 66DS). Indexed lever action. With all necessary hardware. For arms with std. $\frac{1}{8}$ " and $\frac{1}{4}$ " mtg. centers. List Price.....\$1.00

MONOPHONIC MODELS

For 33 $\frac{1}{3}$, 45 and 78 rpm

Model 52-2—With two 2.3-mil sapphire tips. Green case. List Price.....\$3.95

Model 56—With one 1-mil sapphire tip and one 3-mil sapphire tip. Blue case. List Price.....\$3.95

Model 56DS—With one 1-mil diamond tip and one 3-mil sapphire tip. Orange case. List Price.....\$9.95

Model 81—Exact Astatic replacement. With one 1-mil sapphire tip and one 3-mil sapphire tip. Black case with white dot. List Price.....\$3.95

Model 81DS—Exact Astatic replacement. With one 1-mil diamond tip and one 3-mil sapphire tip. Black case with orange dot. List Price.....\$7.95

Model 83-1—Exact Astatic replacement. With two 2-mil sapphire tips. Ivory case with black dot. List Price.....\$3.50

For 33 $\frac{1}{3}$ and 45 rpm

Model 51-1—With two 1-mil sapphire tips. Red case. List Price.....\$3.95

Model 53-3—With two 3-mil sapphire tips. Black case. List Price.....\$3.95

Exact Replacements for

Webcor Phonographs
Model 76S—With one 1-mil sapphire tip and one 3-mil sapphire tip. White case. List Price.....\$3.95

Model 76DS—With one 1-mil diamond tip and one 3-mil sapphire tip. Pink case. List Price.....\$9.95

(No mounts needed for above)

MONOPHONIC MOUNTS

Fixed Type

Model PFT-1—For use with Models 51-1, 52-2, 53-3. With all hdwe. Std. $\frac{1}{8}$ " and $\frac{1}{4}$ " mtg. ctrs. List Price.....\$1.00

Turnover Type

Model PT-2—For use with Models 56, 56DS. With all hdwe. Std. $\frac{1}{8}$ " and $\frac{1}{4}$ " mtg. ctrs. List Price.....\$1.00

ZENITH COBRA CARTRIDGES

The Electro-Voice numbers listed in bold-face type are direct replacements for the Zenith Cobra Cartridge numbers shown.

Model 3500D—Replaces Zenith 142-71 (Black-White). List Price.....\$15.00

Model 3501—Replaces Zenith 142-71 (Blue). List Price.....5.00

Model 3502—Replaces Zenith 142-72 (Yellow). List Price.....5.00

Model 3504DS—Replaces Zenith 142-76 (Grey). List Price.....16.50

Model 3505—Replaces Zenith 142-77 (Brown). List Price.....7.50

Model 3506—Replaces Zenith S15780 (Red-Green). List Price.....3.50

Model 3507—Replaces Zenith S15222 (Green). List Price.....3.50

Model 3508—Replaces Zenith S11473 (Red). List Price.....3.50

Model 256DS—Replaces Zenith 142-88 (White). List Price.....9.95

Model 251-1—Replaces Zenith 142-89 (Brown). List Price.....3.95

Model 256—Replaces Zenith 142-87 (Purple). List Price.....3.95

HIGH-FIDELITY COMPATIBLE STEREO CARTRIDGES

Totally compatible stereo-monophonic cartridges. For outstanding reproduction of stereo records, or monophonic LP's.

Specifications: Response, 20-20,000 cps, $\pm 2\frac{1}{2}$ db. Isolation, 25 db at 1 kc. Output, Standard Series, .5 volt; Magnaromic Series, 20 millivolts. Compliance (vertical and lateral): 2 x 10⁻⁴ cm./dyne. Tracking Force, 5-7 grams with changers; 4-6 grams with transcription arms and high-quality turntables. Elements, 2 Lead Zirconium Titanate (Ceramic). Magnaromic Series incorporates printed circuit adapter that converts output to velocity-type (magnetic).

STANDARD SERIES MODELS—For Stereo, 33 $\frac{1}{3}$ and 45 rpm

Model 215—With one 0.7-mil sapphire stylus. List Price.....\$ 9.50

Model 21D—With one 0.7-mil diamond stylus. List Price.....15.00

For Stereo, 33 $\frac{1}{3}$, 45 and 78 rpm

Model 26ST—Turnover type. With one 0.7-mil sapphire stylus and one 3-mil sapphire stylus. List Price.....\$10.50

Model 26DST—Turnover type. With one 0.7-mil diamond stylus and one 3-mil sapphire stylus. List Price.....\$16.50

MAGNEROMIC SERIES MODELS—For Stereo, 33 $\frac{1}{3}$ and 45 rpm

Model 21MS—With one 0.7-mil sapphire stylus. List Price.....\$12.50

Model 21MD—With one 0.7-mil diamond stylus. List Price.....18.00

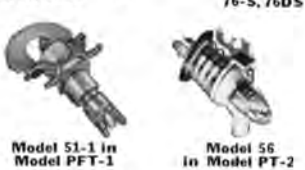
For Stereo, 33 $\frac{1}{3}$, 45 and 78 rpm

Model 26MST—Turnover type. With one 0.7-mil sapphire stylus and one 3-mil sapphire stylus. List Price.....\$13.50

Model 26MDST—Turnover type. With one 0.7-mil diamond stylus and one 3-mil sapphire stylus. List Price.....\$19.50

MODEL 60 HIGH-OUTPUT DUO-VOLT CRYSTAL CARTRIDGE

Output: 2 or 4 volts on LP; 3 or 6 volts on 78. No soldering or accessories required. Aluminum case. Std. $\frac{1}{8}$ " mtg. ctrs. Supplied less needle; use any standard 3-mil, 1-mil or all-purpose needle. Replaces a wide variety of crystal cartridges. List Price.....\$4.95



Electro-Voice FEATHERIDE PHONO CARTRIDGES

FORMERLY WEBSTER ELECTRIC FEATHERIDE

STEREO CERAMIC PLUG-IN CARTRIDGES

Combines full, rich stereo reproduction and simple plug-in mounting. Fits any tone arm with $\frac{1}{2}$ " or $\frac{1}{4}$ " mounting bosses using proper bracket listed below. Phased ceramic elements are unaffected by heat or humidity. No tools required for needle replacement. Frequency Response: 30-15,000 cps. Output: 0.5 volts. Channel Isolation: 20 db. Compliance: 2×10^{-6} cm/dyne. Tracking Pressure: 5-7 grams. Rumble suppressor mtg. bracket.

E-V Model	Description	Needle Size and Type	Needle Number	List Each
SC1-D	Single needle, 3 terminals	0.7 diamond	3426D	\$19.50
SC2-D	Single needle, 4 terminals	0.7 diamond	3426D	17.50
SC2	Single needle, 4 terminals	0.7 sapphire	3426	8.50
SC3-D	Dual needle, 4 terminals	0.7 dia.-3.0 sapph.	3428D	20.00
SC3	Dual needle, 4 terminals	0.7-3.0 dual sapph.	3428	11.50

MONOPHONIC PLUG-IN CARTRIDGES

Superb quality record reproduction plus unequalled mounting versatility provide the ideal solution to any replacement problem. Featheride cartridges assure long record life and finest sound. Once bracket is installed, no tools are needed for future replacement. Choose from wide selection of mounting brackets (below) to satisfy every requirement.

E-V Model	Output Volts	Tracking Weight	Frequency Response	Needle Number	List Each
AB1	1.0	7-10 grams	30-12,000 cps	3429, 3427	\$ 5.45
AB2	4.0	10-12 grams	30-10,000 cps	3429, 3427	4.95
AB3-1*	1.0	7-10 grams	30-15,000 cps	3429	6.45
AB3-2*	1.0	7-10 grams	30-15,000 cps	3430	6.45
AB3-3*	1.0	7-10 grams	30-15,000 cps	3427	6.45
AB4-1	4.0	10-12 grams	30-10,000 cps	3429	4.45
AB4-2	4.0	10-12 grams	30-15,000 cps	3430	4.45
B2	4.0	10 grams	8,000 cps	3429, 3427	4.95
B3	4.0	10 grams	8,000 cps	3430	4.45
MC1*	0.5	7 grams	15,000 cps	3424	6.50
MC2*	0.5	7 grams	15,000 cps	3424	6.50
MC3*	0.5	7 grams	15,000 cps	3425	6.95
V1*	1.0	8 grams	15,000 cps	V1	3.95
V1D*	1.0	8 grams	15,000 cps	V1D†	12.50
V2*	1.0	8 grams	15,000 cps	V2	4.25
V2D*	1.0	8 grams	15,000 cps	V2D†	12.50

*Uses ceramic element. †Diamond tip.

PLUG-IN MOUNTING BRACKETS

Provides easy replacement for any given cartridge with E-V Featheride cartridges listed here. Select cartridge desired from listings above—then, choose proper mounting bracket to exactly fit the tone arm. The bracket, once installed, makes cartridge replacement easy and fast. Ask for the complete E-V Featheride replacement guide for detailed recommendations.

E-V Model	For Cartridge Series	List Each	E-V Model	For Cartridge Series	List Each
1	AB	\$0.50	21	B	\$0.50
2	AB	.50	22	B	.50
3	AB	.50	24	B	.50
4	AB	.50	25	B	.33
5	AB	.50	27	B	.50
6	AB	.50	31	MC, SC	1.00
7	AB	.50	32	MC, SC	1.00
8	AB	.50	33	MC, SC	1.00
10	AB	.50	34	MC, SC	1.00
11	AB	.50	36	MC, SC	1.00
12	AB	.50	51	V	1.00

E-V FEATHERIDE REPLACEMENT CRYSTAL CARTRIDGES

High quality-control standards and modern production facilities make the E-V Featheride crystal replacement cartridges your best buy. The wide variety of types provide the proper replacement for optimum performance. High output voltage insures full volume from all records. Each cartridge is packed in its own plastic case, ready for instant installation.

E-V Model	Output Volts	Tracking Weight	Cutoff Frequency	Needle Number	List Each
CX	3.5	12.0 grams	4,500 cps	3800*	\$4.45
D3	0.7	1.25 grams	6,000 cps	3800*	5.75
F22-1	4.5	10.0 grams	5,000 cps	3420, 3421	7.95
F25	4.5	10.0 grams	5,000 cps	3420, 3421	7.25
FX	2.0-4.0	10.0 grams	4,500 cps	3420, 3421	7.95
P2-1	5.0	12.0 grams	5,000 cps	3413, 3414	4.95
Q2	2.0	15.0 grams	6,000 cps	3800	7.75
Q3	3.0	12.0 grams	5,000 cps	3800	7.75
UX	3.5	12.0 grams	4,500 cps	3413, 3414	4.95
WH	2.0-4.0	.75 oz.	4,000 cps	3800	5.50
WX	2.0-4.0	14.0 grams	5,000 cps	3800*	4.95

*Needle not furnished.

"RETRACT-O-MATIC" CRYSTAL PICKUP

Special cartridge mounting allows needle to retract from record surface as undue pressure is applied to arm. Saves needles and records. Delivers a tonal range adequate for all but the most critical ear. To change needle, pull out old, and push in new. Cartridge will accommodate 1, 2 or 3-mil needles. Replacing old pickup is easily accomplished by following simple instructions provided.

E-V Model M-3—Complete with crystal cartridge and push-in 2-mil needle. List Each \$6.95

Electro-Voice

ULTRA-COMPACT SYSTEMS AND KITS



THE ROYAL 400



REGAL 300



ESQUIRE 200



THE LEYTON

NEW ELECTRO-VOICE

ULTRA-COMPACT SYSTEMS DESIGNED FOR STEREO

Rich, contemporary styling . . . outstanding reproduction . . . compact in size . . . E-V's new series of low-resonance systems is just right for monophonic listening, perfect for stereo.

An outstanding achievement in the design of modern furniture, this simple yet striking styling will provide the perfect accent for your room decor. All cabinets are custom-crafted of select hardwood veneers, with lustrous hand-rubbed finishes to meet the most discriminating standards. Rigid construction of $\frac{3}{4}$ " wood throughout is completely vibration-free.

And performance . . . here is where E-V low-resonance systems really come into their own! The specialized bass drivers use new double-flux ceramic magnets for highest efficiency. By careful adjustment of voice coil, cone weight, and compliance, E-V engineers have developed a series of bass speakers that provide optimum efficiency and bass-range extension . . . even though enclosed in relatively small, sealed cabinets. All models operate adequately with a 12-watt amplifier in smaller rooms; 20 watts is recommended for larger rooms.

The use of diffraction horns on VHF drivers in these systems assures extended response and wide dynamic range over the greatest possible listening area. These components assure you of perfect fusion to provide a complete curtain of sound, as well as ideal tonal balance, so vital to authentic stereo reproduction.

The Royal 400. Phenomenal response from the most luxurious low-resonance system available. One complete additional octave of bass is obtained from the special 18" woofer. For a given excursion of the cone assembly, this speaker moves $2\frac{1}{2}$ times more air than equivalent 12" systems, thus giving much greater power handling capacity and at the same time making the system capable of radiating more power when required. Long-throw voice coils insure linear operation at highest levels of sound. Full three-way system featuring 18" woofer, 8" cone mid-range in totally isolated cavity, to prevent interaction of consequence, crossing over at 3500 cps into compression very-high frequency driver with integral diffraction horn. Response, 30 cps to 18 kc. Size: $23\frac{1}{2}$ " high, 32" wide, $14\frac{1}{4}$ " deep. Shipping Weight, 103 lbs.

System complete in Walnut, Mahogany or Lined Oak—
Net Each **\$249.50**

System complete in Unfinished Fir, utility model; size 22" high, $31\frac{1}{2}$ " wide, $11\frac{1}{4}$ " deep—Net Each **\$199.00**

Regal 300. This system has been designed to provide the finest reproduction possible in a size so modest. It employs a deluxe 3-way system including a 12-inch Electro-Voice 12WS woofer with 5-pound ceramic magnet; an 8-inch mid-range, cone-type speaker with 1 lb., 6 oz. ceramic magnet; and, a compression high-frequency driver. System provides smooth response from 35 to 18,000 cps. Two level controls and an electrical crossover complete the system. Impedance, 8 ohms. Size: $13\frac{1}{2}$ " deep, 14" high, 25" wide. Shipping Weight, 64 lbs.

System complete in Walnut, Mahogany or Lined Oak—
Net Each **\$179.00**

System complete in Unfinished Fir, utility model; size 14" high, $23\frac{1}{2}$ " wide, 12" deep—Net Each **\$149.00**

Kit version of Regal 300 System. Complete with all speakers and components. Easy-to-follow instructions for assembly. Careful construction assures performance identical to factory assembled Regal 300. Birch exterior for easy finishing. Size 14" high, $23\frac{1}{2}$ " wide, 12" deep—Net Each **\$125.00**

Esquire 200. Value-packed version of the popular Regal 300; includes special 12" low-frequency driver which crosses over electrically at 200 cps into a direct-radiator 8" cone driver. From 3500 cps, a VHF compression driver with diffraction horn is employed. Frequency response is 40 cps to 18 kc. 8 ohms impedance. Size: $13\frac{1}{2}$ " deep, 14" high, 25" wide. Shipping Weight, 50 lbs.

System complete in Walnut, Mahogany or Lined Oak—
Net Each **\$133.00**

System complete in Unfinished Fir, utility model; size 14" high, $23\frac{1}{2}$ " wide, 12" deep—Net Each **\$107.50**

Kit version of Esquire 200 System. Complete with all speakers, components and easy-to-follow instructions for assembly. Careful construction assures identical performance to factory-assembled Esquire 200. Birch exterior for easy finishing. Size 14" high, $23\frac{1}{2}$ " wide, 12" deep—Net Each **\$93.00**

The Leyton. Top performance on your bookshelf from this new moderately-priced system utilizing a special 12" high-compliance low-frequency driver and matched 8" high-frequency unit. The resulting low-resonance system outperforms speakers and enclosures many times its size and at a considerable saving. Cabinet finished in hand-rubbed fine hardwood veneers in either mahogany or walnut, or available in unfinished birch for finishing to taste. Size: 14" high, 25" wide, 12" deep. Shipping Weight, 46 lbs.

System complete in Walnut or Mahogany—Net Each . . . **\$84.50**

System complete in Unfinished Birch—Net Each **78.50**

PATRICIAN AND STEREO SYSTEMS

Patrician 700. The latest in a series of four-way speaker systems which have been generally accepted as the world's finest. The superiority of the Patrician 700 over its predecessors is due, in large part, to the use of the sensational 30-inch woofer, giving it unprecedented efficiency and extended bass response far beyond that of other systems. The Model 30W woofer achieves its highest efficiency in the 40-cycle region where other woofers have become ineffective; and, continues to respond down to 20 cycles and lower. Clean, controlled mid-bass is achieved by the use of a low 100-cycle first crossover frequency with 12 db per octave attenuation on either side. A heavy SP12 full-range speaker in a liberally padded, separate enclosure contributes to its faithful and uniform response in this range. An extremely sensitive T250 treble driver, using an SHD diffraction horn, assures clean reproduction of frequencies above 700 cycles. A brilliant T350 tweeter extends the response to an upper limit of 35,000 cps.

Although designed for utmost operating efficiency in a corner, the Patrician 700 with its large 30W woofer can be placed in almost any room location without seriously hampering its performance. Its bass enclosure, of an entirely new design, consists of an airtight, 15 cu. ft. chamber behind the 30-inch woofer; and, a 10½-inch straight axis horn with a 300 sq. in. throat area, the mouth area of which is 464 sq. in., and leads from the front of the woofer into the corner of the room.

The enclosure itself, styled in a handsome contemporary design, is made of selected 1-inch woods, exquisitely finished in hand-rubbed Mahogany, blonde Lined Oak, or Walnut. It occupies only 5.3 square feet of floor space. Size: 54½" high, 33" wide, 28½" deep. Shipping Weight, 315 lbs.

System complete in Lined Oak, Walnut or Mahogany—

Net Each. **\$795.00**

Stereo 200. A three-way speaker system designed specifically to complement the Patrician 700, providing an economical and space-saving method of expansion to stereo. Utilizes the mid-bass, treble, and very-high-frequency components of the Patrician 700 (SP12, T250 with SHD, and T350) with crossover and level controls. Response extends from 100 cps to the same upper range as the Patrician 700. Size: 17" wide, 16½" deep, 30" high. Shipping Weight, 116 lbs.

System complete in Lined Oak, Walnut or Mahogany—

Net Each. **\$375.00**

Model 103F. Complete set of components used in Patrician 700. Includes 30W, SP12, T250, T350, SHD and X1735. Shipping Weight, 110 lbs.

Net Each. **\$485.00**

COMPACT EXTENDED BASS-RANGE CORNER CABINETS

Utilizing an advanced indirect horn-radiator principle, E-V design extends the lows, enhances the highs. Employs the room walls as an extension of the exponential horn air load—assures one full octave of added bass with unprecedented efficiency. Provides direct front radiation of higher frequencies: smoother, cleaner overall musical balance. Increases power handling capacity of any speaker.

The Aristocrat. For E-V or any full-range 12" speaker or E-V separate 2 or 3-way systems, without modifications. Unusually smooth reproduction down to 35 cps. Selected hardwood veneers. Brushed brass grille. 29½" h., 19" w., 16½" d. Shpg. Wt., 44 lbs. Mahogany Cabinet Only—Net Each. **\$72.00**
Blonde Lined Oak or Walnut Cabinet Only—Net Each. **79.00**

Aristocrat 100. Includes the E-V 12-inch Model SP12B speaker, completely wired and installed in Aristocrat enclosure. Shipping Weight, 55 lbs.

System complete in Lined Oak, Walnut or Mahogany—

Net Each. **\$103.00**

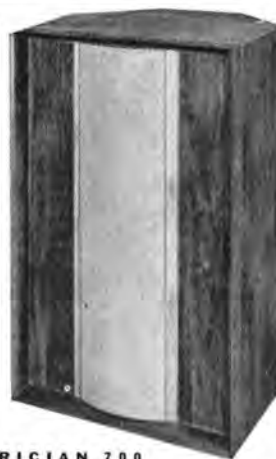
ALONG-THE-WALL ENCLOSURES

The Marquis. This along-the-wall counterpart of the popular Aristocrat utilizes the proven principle of increased reflected speaker inductance to lower the reson. freq. by increasing the mass of the rear air load. This extends the low-freq. response range of E-V 12" speakers and separate speaker systems by nearly an octave. Efficiency below the 100-cycle point is increased by nearly 40% over that of comparably-sized bass reflex enclosures. For E-V or other 12" speakers, or 2 or 3-way system without modification. Designed for maximum along-the-wall performance. Response down to 40 cps. Selected hardwood veneers. Brushed brass grille. Size: 29½" h., 19" w., 15¼" d. Shipping Weight, 50 lbs. Mahogany Cabinet Only—Net Each. **\$63.00**
Blonde Lined Oak or Walnut Cabinet Only—Net Each. **69.00**

Marquis 100. Includes E-V 12-inch Model SP12B speaker, wired and installed in Marquis enclosure. Shipping Weight, 60 lbs.

System complete in Lined Oak, Walnut or Mahogany—

Net Each. **\$94.00**



PATRICIAN 700



THE ARISTOCRAT



THE MARQUIS

Electro-Voice HI-FI SPEAKERS



15TRX

INTEGRATED 3-WAY SPEAKERS

Three-in-one concentric design combines the advantages of Super-Sonax VHF reproduction with new Sonophase throat design (Design Patent 182,351), Radax propagator, and a large bass cone with heavy double-flux ceramic magnet in one compact, low-priced assembly.

Model 15TRXB—Combines an SP15B with a 2000-cycle mechanical crossover and integral T35B VHF driver, $\frac{1}{4}$ -section high-pass filter, and AT37 level control built in. Weight: 14 lbs. net; 17 lbs. shipping. Net Each. **\$79.00**

Model 15TRX—Combines an SP15 with a 2000-cycle mechanical crossover and integral T35 VHF driver, full X36 crossover, and AT37 level control built in. Weight: 27 lbs. net; 43 lbs. shipping. Net Each. **\$149.00**

Model 12TRXB—Combines an SP12B with a 2000-cycle mechanical crossover and integral T35B VHF driver, $\frac{1}{4}$ -section high-pass filter, and AT37 control built in. Weight: 11 lbs. net; 17 lbs. shipping. Net Each. **\$66.00**

Model 12TRX—An SP12 with 2000-cycle mechanical crossover and integral T35 VHF driver, full X36 crossover and AT37 level control built in. Weight: 26 lbs. net; 27 lbs. shipping. Net Each. **\$125.00**

RADAX COAXIAL SPEAKERS

The E-V Radax Principle is an economical, super-efficient method of using two coaxial cones, both operating from a single voice coil, to divide the audible spectrum for clean, sparkling reproduction. Except where noted, new double-flux ceramic magnets are used.

Model SP8B Radax Super-Eight—8" speaker. Resonance, 50-65 cps. 20 watts. Response 45-13,000 cps. 16 ohms impedance. Sens. rtg. 45 db. Crossover, 6000 cps. 1 lb., 6 oz. ceramic magnet. $8\frac{1}{2}$ " diam., 7" baffle opening. $4\frac{1}{2}$ " depth behind panel. Shpg. Wt., 8 $\frac{1}{4}$ lbs. Net Each. **\$29.50**

Model SP12B Radax Twelve—12" speaker. Resonance, 40-50 cps. 20 watts. Response, 40-13,000 cps. 16 ohms impedance. Sens. rtg., 47 db. Crossover, 4500 cps. 1 lb., 6 oz. ceramic magnet. 12 $\frac{1}{4}$ " diameter, 11" baffle opening, 6" depth behind panel. Shipping Weight 13 lbs. Net Each. **\$35.00**

Model SP12 Radax Super-Twelve—12" speaker. Resonance, 35-45 cps. 25 watts. Response, 35-13,000 cps. 16 ohms impedance. Sens. rtg., 50 db. Crossover, 4000 cps. 3 lb. Alnico V magnet. 12 $\frac{1}{4}$ " diameter, 11" baffle opening, 7 $\frac{1}{2}$ " depth behind panel. Shipping Weight 23 lbs. Net Each. **\$66.00**

Model SP15B Radax Fifteen—15" speaker. Resonance, 38 cps. 30 watts. Response 35-13,000 cps. 16 ohms impedance. Sens. rtg. 48 db. Crossover 4500 cps. 1 $\frac{1}{2}$ lb. ceramic magnet. 15 $\frac{1}{2}$ " diam., 13 $\frac{1}{2}$ " baffle opening. 7 $\frac{1}{2}$ " depth behind mfg. panel. Shpg. Wt. 16 lbs. Net Each. **\$43.00**

Model SP15 Radax Super-Fifteen—15" speaker. Resonance, 25-35 cps. 30 watts. Response 30-13,000 cps. 16 ohms impedance. Sens. rtg. 52 db. Crossover, 3000 cps. 4 $\frac{1}{2}$ lb. ceramic magnet. 15 $\frac{1}{2}$ " diameter, 13 $\frac{1}{2}$ " baffle opening 9" depth behind panel. Shipping Weight 29 lbs. Net Each. **\$89.00**



SP15

VERY-HIGH-FREQUENCY DRIVERS

Smooth, silky reproduction . . . extended response to beyond audible limits . . . 180° dispersion using diffraction horns . . . Sonophase throat design (Design Patent 182,351) . . . these are the features which have made E-V super-tweeters the music lover's choice.

Model T350—Adds very high frequencies with reserve power, extra sensitivity. For use in deluxe multiway systems having extended bass range. Response to 35 kc. Sens. Rtg., 57 db. 1-lb. magnet. 16 ohms. Recommended crossover 3500 cps. Horn 7 $\frac{1}{2}$ " long, 2 $\frac{1}{4}$ " wide. Pot 3 $\frac{1}{2}$ " diameter. Overall depth 4 $\frac{1}{2}$ ". Shpg. Wt., 9 $\frac{1}{2}$ lbs. Net Each. **\$60.00**

Model T35—Reproduces VHF range, for use with deluxe multiway systems. Response to 19 kc. Sens. Rtg., 54 db. 6.8 oz. magnet. 16 ohms. Recommended crossover 3500 cps. Horn 5 $\frac{1}{4}$ " long, 2" wide. Pot 2 $\frac{1}{4}$ " diameter. Overall depth 3 $\frac{1}{4}$ ". Shpg. Wt., 3 lbs. Net Each. **\$35.00**

Model T35B—For VHF reproduction in medium efficiency, multiway systems. Response to 18 kc. Sens. Rtg., 52 db. 16 ohms. Recommended crossover 3500 cps. Horn 5 $\frac{1}{4}$ " long, 2" wide. Pot 2 $\frac{1}{4}$ " diameter. Overall depth 3 $\frac{1}{4}$ ". Shpg. Wt., 3 lbs. Net Each. **\$22.00**



T350



T35

LOW-FREQUENCY DRIVERS

Model 15W—15" L.F. driver. Resonance, 25-35 cps. 4 $\frac{1}{2}$ lb. ceramic magnet. 30 watts. 16 ohms impedance. Sensitivity rating, 50 db. 15 $\frac{1}{4}$ " diam., 13 $\frac{1}{2}$ " max. opening, 9" behind panel. Shipping Weight, 29 lbs. Net Each. **\$89.00**

Model 30W—30" low frequency driver. Free space resonance, 15-25 cps. 9 lb., 4 oz. ceramic magnet. Rated 100 watts, program material. Impedance, 16 ohms. Recommended crossover, 100-300 cps. Sensitivity rating, 51 db. 29 $\frac{1}{4}$ " diameter, 28 $\frac{1}{4}$ " maximum opening, 13 $\frac{1}{2}$ " behind panel. Shipping Weight, 48 lbs. Net Each. **\$185.00**



30W

THE MUSICASTERS

OUTDOOR HIGH FIDELITY SPEAKER SYSTEMS

Rugged, weatherproof speaker system mounts anywhere for portable and outdoor applications. Wide angle coverage makes for easy stereo placement. Accessory mounting bracket for convenient surface mounting. Two models cover wide and extra-wide frequency ranges.

Musicafter—Weatherproof speaker system allows you to take high fidelity outdoors. Rugged one-piece aluminum die casting protects weatherproofed 8" Radax speaker and provides dual horn loading for smoothest response of any outdoor speaker. Can be mounted anywhere or used as portable speaker. Wide-angle coverage makes placement easy for stereo. Use it by the pool or patio or at the barbecue for more fun from your high-fidelity system. Response, 60-13,000 cps. Impedance, 8 ohms. Power handling capacity 30 watts. Dispersion, 120°. Size: 21 $\frac{1}{2}$ " x 21 $\frac{1}{2}$ " x 8 $\frac{1}{2}$ ". Weight: 31 lbs. net; 34 lbs. shipping. System Complete—Net Each. **\$54.00**

Musicafter II—Provides same features as above plus a VHF Driver to extend the range to 18,000 cps for smoother, brighter highs. Weight: 33 lbs. net; 36 lbs. shipping. System Complete—Net Each. **\$75.00**

MBI Surface Mounting Bracket—Allows mounting of any Musicafter flat against wall for neat unobtrusive installation. Replaces standard "U" Bracket. Shipping Weight, 1 lb. Net Ea. **\$2.70**



THE MUSICASTER

Electro-Voice

MULTIWAY SYSTEMS AND COMPONENTS

TREBLE DRIVERS



T250



T25A



T10A

Model T250—HF driver designed for use with maximum efficiency systems. Sens. rtg., 58 db. Power rtg., 50 watts. Response 400-13,000 cps. Magnet wt. 3 lbs. Impedance 16 ohms. $5\frac{1}{4}$ " diam., $5\frac{1}{4}$ " deep. Throat diam. $\frac{3}{4}$ ". Shpg. Wt. 14½ lbs. Net Ea. **\$81.00**

Model T25A—HF driver, 20-30 watts. Response, 400-13,000 cps. Impedance, 16 ohms. Sens. rtg., 56 db. 1 lb. Alnico V magnet. $3\frac{3}{4}$ " diam., $4\frac{1}{8}$ " deep. Throat diam., $\frac{3}{8}$ ". Shipping Weight 6 lbs. Net Each..... **\$58.00**

Model T10A—HF driver, 20 watts. Response 400-13,000 cps. Impedance, 16 ohms. Sens. rtg., 54 db. $\frac{1}{2}$ lb. Alnico V magnet. $3\frac{1}{4}$ " diameter, $3\frac{1}{4}$ " deep. Throat diameter, $\frac{3}{8}$ ". Shipping Weight 4 lbs. Net Each..... **\$42.50**

Note: Sensitivity ratings are K1A standard.

DIFFRACTION HORN, LEVEL CONTROLS



S8D



AT37

Model S8D Diffraction Horn—Designed for crossover at 800 cps with an appropriate crossover network such as E-V Model X8 or X825. Actual horn cutoff, 600 cps. Die-cast construction, suitable for either free standing or baffle board mounting. Size: 15" h., $4\frac{1}{2}$ " w., $8\frac{3}{4}$ " d. Shipping Weight 4 lbs. Net Each..... **\$18.00**

Model AT37 Level Control—16 ohm "L" pad. For use with mid-bass, treble and VHF drivers in multiway systems. Adjusts output level to individual taste. Mahogany dial. Net Each..... **\$3.90**

Model AT37B—Similar to above but blonde. Net Each... **3.90**

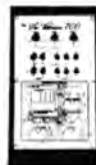
CROSSEOVERS



X8



X36, X825



X1735

All E-V crossovers use high-Q air core coils and paper condensers. Low insertion loss; attenuation 12 db per octave in $\frac{1}{2}$ section, 6 db per octave in $\frac{1}{4}$ section crossovers.

Model X825 Crossover— $\frac{1}{4}$ section. Crossover point, 800 cps. Impedances 16 ohms in and out. Size $3\frac{1}{8}$ " h., $4\frac{1}{8}$ " w., $3\frac{1}{4}$ " d. Shpg. Wt. 4 lbs. Net Each..... **\$19.00**

Model X8 Crossover— $\frac{1}{2}$ section. Crossover point, 800 cps. Impedances 16 ohms in and out. Size $4\frac{1}{8}$ " h., $4\frac{1}{8}$ " w., $3\frac{1}{4}$ " d. Shipping Weight 7 lbs. Net Each..... **\$32.00**

Model X36 Crossover—Recommended for use with VHF drivers, $\frac{1}{2}$ section. Crossover point, 3500 cps. Impedances 16 ohms in and out. Size $3\frac{7}{8}$ " h., $4\frac{1}{8}$ " w., $3\frac{1}{4}$ " d. Shipping Weight, 2½ lbs. Net Each..... **\$9.50**

Model X325 Crossover— $\frac{1}{4}$ section. Crossover point, 300 cps. Impedances 16 ohms in and out. Size $5\frac{1}{8}$ " h., $5\frac{1}{4}$ " w., $4\frac{1}{8}$ " d. Shipping Weight 7 lbs. Net Each..... **\$32.00**

Model X1735 Crossover—Full $\frac{1}{2}$ section throughout. Crossover points, 100, 700 and 3500 cps. Used in Patrician 700 system. Impedances 16 ohms in and out. Size 17" h., $9\frac{1}{2}$ " w., $3\frac{3}{4}$ " d. Shipping Weight 11 lbs. Net Each..... **\$75.00**

BUILDING BLOCK KITS

Designed to provide convenient package additions to any full-range speaker or separate two-way system, E-V Building Block Kits contain matched sets of components complete with wiring harness and individual instruction sheets for each unit. Without obsoleting any existing components, the proper Building Block Kit will add exciting new listening pleasure to your present ensemble.



BB1



Model BB1. For use with existing 2-way systems (LF driver with treble driver) and coaxial speakers having 1-lb. magnets. Includes T35B Super-Sonax VHF driver, X36 crossover, AT37 level control, wiring harness. Shpg. Wt. 5 lbs. Net Each..... **\$37.00**

Model BB2. For use with existing 2-way systems (LF driver with treble driver) and coaxial speakers having 3-lb. magnets or greater. Includes T35 Super-Sonax VHF driver, X36 crossover, AT37 level control, wiring harness. Shpg. Wt. 5 lbs. Net Each..... **\$50.00**

Model BB3. For use with existing LF drivers and coaxial speakers having 1-lb. magnets. Includes T10A driver, S8D horn, X825 crossover, AT37 level control, wiring harness. Shpg. Wt. 11 lbs. Net Each..... **\$86.00**

Model BB4. For use with existing LF drivers and coaxial speakers having 3-lb. magnets or greater. Includes T25A driver, S8D horn, X8 crossover, and AT37 level control, wiring harness. Shpg. Wt. 16 lbs. Net Each..... **\$114.00**

Model BB5. Adds very high frequencies with wide dispersion, reserve power, extra sensitivity. For use in systems having extended bass ranges such as Patrician, Georgian, Cardinal IV, Centurion (EIA sens. rtgs. of 50 db and higher). Includes T350 Ultra-Sonax UHF driver, X36 crossover, AT37 level control, wiring harness. Shipping Weight, 13 lbs. Net Each. = **\$75.00**

MODEL XT1 STEREO MIXER TRANSFORMER



XT1

Provides a simple solution to the problem of playing stereo-phonographic source material through a monophonic system without sacrificing the sound content of either channel. When circuit elements of crossover networks are accessible, it may also be used in two-channel stereo systems in which the bass from both channels is combined and directed to one full-range system. Connection of the XT1 is simple, and requires no alterations of any kind in the associated amplifiers. May be used with impedances of 4, 8, or 16 ohms.

Many stereo recordings are made using the three microphone technique, the third channel being divided equally after recording between the two channels on the record. It continues to exist in so called phantom form. This third channel can be reformed by the use of a third speaker. The signal in this channel consists of sum tones, different in phase and spectral content from the outside channels. The connection using the XT1 passes these tones to the central speaker which regroups them as a new set of sounds identical in character to that picked up by the central microphone during the recording.

The XT1 employs a very high quality 1-to-1 phasing transformer. Unit is connected between amplifiers and speakers not necessary to alter either amplifier or speakers, simple connection. Size: $4\frac{1}{8}$ " wide, $3\frac{1}{8}$ " deep, $4\frac{1}{8}$ " high. Shipping Weight 2½ lbs.

Model XT1 Stereo Mixer Transformer—Net Each.... **\$13.50**

Model 511 Stereo Wiring Harness—Convenient special wiring harness for 3-channel systems (using XT-1) up to 30 ft. wide. Net Each..... **\$5.00**

WOLVERINE HI-FI SPEAKERS

by Electro-Voice

WOLVERINE FULL-RANGE LOUDSPEAKERS

Perfect for Stereo—Realistic stereo performance demands high-quality loudspeakers having crisp, wide-range response. These new Wolverine speakers meet this demand at a price so reasonable that two complete systems for stereo can be purchased for the price of many single competitive systems.

- **Heavy-Duty Diecast Frames**—The hallmark of fine loudspeakers. All other popular-priced loudspeakers have frames of stamped sheet metal, bend easily... allow the speaker cone and delicate voice coil to shift position. Heavy duty Wolverine speakers guarantee permanent centering of all elements.
- **Radax Construction**—Two cones divide the sound, one for maximum bass reproduction and a second, smaller cone for efficient high-frequency performance.
- **Edgewise-Wound Voice Coil**—Voice coils are edge-wound of precision flattened ribbon conductor; efficiency is increased 18% over conventional round-wire coils, gaining the equivalent of 5 extra watts from a typical amplifier.
- **Glass Coil Form**—The voice coil is wound on a Fiberglass form into a rigid, concentric assembly.
- **Long-Throw Voice Coil**—Wolverine speakers contain deep, medium diameter voice coils. Conductor remains in the air gap even on longest excursions, preventing nonlinear operation characteristic of wide diameter, short-throw coils.
- **Low Silhouette Frame**—Wolverine speaker frames are shallow, for easy mounting in walls or ceilings. Ideal for building in "sound conditioning" the entire home.

Other Quality Features—Wolverine cones are fungi-proofed, treated to prevent moisture absorption in areas of high humidity. Specialized thermosetting adhesives produce the lightest, most rigid moving mechanisms possible. Tough, one-piece molded cones are used exclusively, and all hidden parts are precision ground to jewel-like accuracy.

Model LS15 15-inch Loudspeaker—Frequency response 35 to 13,000 cps; EIA sensitivity rating 46 db. Free-space cone resonance 38 cps. Power handling capacity 20 watts program, 40 watts peak. Power required for 100 db level (concert volume), program material in live room, 8 watts. Damping factor 15; Impedance 8 ohms. Mechanical crossover 4500 cps. Total flux 80,000 maxwells. 15 1/4" dia., 6 1/2" deep, 13 1/2" baffle opening; mounts with four 3/8" holes equally spaced on 14 1/2" circle. Weight 11 lbs. net, 12 lbs. shipping. Net Each.....**\$24.50**

Model LS12 12-inch Loudspeaker—Frequency response 40 to 13,000 cps; EIA sensitivity rating 43 db. Free-space cone resonance 40 cps. Power handling capacity 20 watts program, 40 watts peak. Power required for 100 db level (concert volume), program material in live room, 12 watts. Damping factor 15; Impedance 8 ohms. Mechanical crossover 4500 cps. Total flux 70,700 maxwells. 12 1/4" dia., 3 1/2" deep; 11" baffle opening; mounts with four 1/4" holes equally spaced on 11 1/2" circle. Weight 5 1/2 lbs. net, 6 lbs. shipping. Net Each.....**\$19.50**

Model LS8 8-inch Loudspeaker—Frequency response 55 to 13,000 cps; EIA sensitivity rating 43 db. Free-space cone resonance 55 cps. Power handling capacity 20 watts program, 40 watts peak. Power required for 100 db level (concert volume), program material in live room, 15 watts. Damping factor 15; Impedance 8 ohms. Mechanical crossover 6000 cps. Total flux 70,700 maxwells. 8 1/4" dia., 3 1/2" deep; 7 1/4" baffle opening; mounts with four 1/4" holes equally spaced on 7 1/2" circle. Weight 4 1/2 lbs. net, 5 lbs. shipping. Net Each.....**\$18.00**

BUILDERS' KITS

Speaker Mounting Baffles—For wall or ceiling. Builders' Kits Model 509 and 510 permit easily installed recessed mounting for any 8" or 12" speaker in wall or ceiling. Ideal for use with Wolverine LS8 and LS12 speakers, designed especially to accommodate the heavy frames of high fidelity speakers. Heavy gauge aluminum with satin brushed finish. Each kit includes grille and trim ring, plaster ring, hardware and complete instructions.

Model 509—8" Builders' Kit—Requires an 8 1/4" diameter hole; overall diameter, 12 3/4"; height 3/4" (above surface). Shipping Weight 2 1/2 lbs. Net Each....**\$5.70**

Model 510—12" Builders' Kit—Requires 12 1/4" diameter hole; overall diameter, 17"; height 3/4" (above surface). Shipping Weight 2 1/2 lbs. Net Each.....**\$7.65**

WOLVERINE STEP-UP KITS

These step-up kits allow you to expand your full-range speaker to a 2 or 3-way system one economical step at a time, without obsoleting existing units. Wolverine mid and high-frequency drivers are characterized by these Electro-Voice exclusives.

- **Avedon Throat Design**—Prevents sound cancellation at highest frequencies, extends frequency response.
- **Hoodwin Diffraction Horn**—Spreads sound evenly through a solid 180° arc to all parts of the listening area for realistic reproduction.
- **Linen Diaphragm**—The phenolic-impregnated diaphragm has fine musical quality, is not subject to radial break-up characteristic of aluminum diaphragms.
- **Light Voice Coil**—With a self-supporting voice coil, weight is reduced by 80%, allowing accurate tracing of delicate high-frequency sounds.
- **Painted Leads**—To prevent parting due to repeated flexing of compliance rolls, Wolverine drivers contain leads of conductive paint, another E-V exclusive.

Wolverine crossover networks, true crossovers and not just hi-pass filters, are specially designed for use with Wolverine drivers. The crossover points are well above the horn cutoff avoiding cutoff-frequency distortion. A 6 db/octave slope provides inaudible transition between drivers. Other features include built-in, wire-wound level control, quality air-core coils and capacitors, and simple single-hole mounting provisions.

Model HF1 High-Frequency Step-Up Kit—Can be added to any 8" or 12" Wolverine full-range speaker. Extends high-frequency performance beyond audible limit with silky, precise definition. Consists of TW35 VHF driver, CR35 crossover-level control, wiring, mounting hardware and instructions for 5-minute installation. TW35 size; horn 5 1/4" x 2", pot dia. 2 1/4", overall depth 2 1/4". Baffle opening 1 3/4" x 4 1/4". HF1 shipping weight 3 lbs. Net Each.....**\$20.00**

Model MF1 Mid-Range Step-Up Kit—For addition to all 12" Wolverine speakers after the HF1 step-up kit is installed. Completes your 3-way speaker system and spreads mid-range sound evenly throughout the room; has increased output in the vital "presence" range, and smooth, peak-free frequency response. Consists of MR10 treble driver, CR10 crossover-level control, wiring, mounting hardware and instructions for 5-minute installation. MR10 size; horn 4" x 10 1/2", pot dia. 2 3/8", overall depth 9 1/2". Baffle opening 9 1/2" x 3". MF1 shipping weight 5 lbs. Net Each....**\$25.00**



Electro-Voice

STEREONS AND KIT ENCLOSURE



STEREON IA
STEREON III

ELECTRO-VOICE STEREONS

A new kind of loudspeaker system is presented to solve the space problem for STEREO. These systems are simple, effective and low in cost.

No STEREO effect exists when listening to sounds below 300 cycles per second—the human ear is unable to determine the directionality of such sounds. This principle is made use of in the ELECTRO-VOICE Stereon system, whereby all the BASS from both channels is properly phased and directed to one full range speaker system through the Model XX3 Stereon Control Filter. This makes use of the full bass capabilities of the system in supplying full bodied bass for BOTH channels. The upper range of one channel follows into the same full-range system; the mid and high range from the other channel is fed through the Stereon Control Filter to the highly developed Stereon.

Stereon III. Stereon 3-way system for use with high efficiency systems. Employs MT30 mid-bass coaxial assembly and T35 VHF driver, built into integral 200-cps taper rate horn. Integral crossover network limits overall input of the Stereon to signals above 300 cps crosses over electrically at 3500 cps to Model T35 VHF driver. Flat response 300 cps to 19,000 cps. Sensitivity is regulated by two AT37 level controls at rear to provide overall level match to full-range speaker system. Quality match assured by individual control of "Brilliance" range. XX3 Stereon Control Filter is recommended for 2 speaker systems. XT-1 for 3 speaker arrays.

Available in lustrous tropical mahogany, walnut, or lined oak. Size: 25" high, 17 1/2" deep, 7 1/2" wide. Shipping Weight, 37 lbs. Net Each. **\$84.50**

Stereon IA. Identical to Stereon III, for use with normal efficiency systems. Uses MT30H and T35B driver components. Shipping Weight, 33 lbs. Net Each. **\$69.50**

ULTRA-COMPACT STEREONS

E-V ultra-compact Stereons give the same space saving advantages of the Stereons above to all low-resonance systems. In combination with the XT-1 Stereo Mixer Transformer 2 or 3 speaker arrays can be used to solve any stereo layout problem.

Stereon 100. For use with E-V Lexington or similar low-resonance systems. 14" h., 10" w., 5 1/2" d. Walnut or Mahogany. System Complete. Net Each. **\$49.50**

Stereon 300. For use with E-V Esquire, Regal, Royal, or similar low-resonance systems. 14" h., 11 1/2" w., 8 1/2" d. Walnut, Mahogany or Lined Oak. Net Each. **\$69.50**

STEREO ACCESSORIES

Model XX3 Stereon Control. For use with Electro-Voice Stereons. Uses transformer and crossover network components to combine 2 channels; all signal of 1st channel above 300 cps feeds Stereon; all signal below 300 cps from this channel combined with full-range output from second channel utilizing full bass reproduction capabilities of a single full-range system, permits use of space saving Electro-Voice Stereon system for second stereo channel. Input impedance from both amplifiers 8 and 16 ohms, output impedance 16 ohms nominal. Size: 5 1/2" high, 4 1/2" wide, 5 1/4" deep. Shipping Weight, 8 lbs. Net Each. **\$15.00**

Model XT-1 Stereo Mixer Transformer. For use with Stereon 100 and Stereon 300. Only one required for two- or three-channel stereo system. Net Each. **\$13.50**

Model 511 Stereo Wiring Harness. Convenient special wiring harness for hookup of three-channel stereo system (any three units plus XT-1). Harness length will cover stereo arrays up to 30 feet wide. Net Each. **\$12.50**

18 INCH LOW FREQUENCY WOOFER

Model 18W Low Frequency Woofer. Ideal for common bass stereo systems. 18" LF driver. 30 watts. Resonance, 25-35 cps. 16 ohms impedance. Sens. reg., 33 db. 18 1/2" diam., 16 1/2" max. opening, 10" behind panel. 4 1/4 lb. ceramic magnet. Shipping Weight, 11 lbs. Net Each. **\$120.00**

FOLDED-HORN ENCLOSURE KIT

Now you can own an acoustically correct Electro-Voice high-fidelity, folded-horn speaker enclosure for your home music system and save up to one-half! Build it yourself. Three models to choose from—wall types, corner models—for full-range loudspeakers for separate two, three and four-way speaker systems.

These superlative, completely engineered kits, designed and styled by Electro-Voice, are ready to assemble. All lumber parts are pre-cut with exterior surfaces of clear-grained korina, glue, screws and nails are included. Easy, step-by-step instructions show you how to "do-it-yourself."

Model KD4 Regency. Functional, low-boy style, folded-horn enclosure for use in a corner or against a wall. The Regency will improve the bass response of any 15-inch loudspeaker and is particularly effective when employed with E-V Models SP15 or SP15B coaxial speakers, 15TRX or 15TRXB three-way reproducers, and systems using Models 15W or 15BW woofers. Size 29 1/2" h., 33 1/2" w. and 19" d. Shipping Weight, 70 pounds. Net Each. **\$73.00**

Decorative Trim Kit. Addition of this custom grille and trim set will provide, for your enclosure, a smart, finished appearance to complement any interior decor.

Model AK5. For KD4 Regency. Lacquered, antique brushed brass crossbar grille cut for sight-size of 24" by 29 1/2". Shipping Weight, 3 pounds. Net Each. **\$6.00**

(See page 20, Catalog 139, for additional Kit Models.)

STEREON 100



STEREON 300



KD4



4350A



4302



MODEL 4350A DUAL-CONVERSION RECEIVER

Designed specifically for communications on amateur frequencies, the Model 4350A is a crystal-controlled dual-conversion receiver covering seven bands: 160, 80, 40, 20, 15, 10 and 4 meters. Features differential, ball planetary tuning knob with 75-to-1 and 1-to-1 ratios. 1st IF 2195 kc, 2nd IF 455 kc. Crystal filter has phasing control for variable rejection of unwanted adjacent signals. High sensitivity of 2 microvolts for 10 db signal-to-noise ratio. Drift $\pm 0.1\%$. Extreme stability permits single sideband reception with or without adapters. BFO injection control for accurate carrier frequency insertion of SSB operation.

Also includes "S" meter; automatic noise limiter; front panel frequency correction control; antenna trimmer. RF gain control with 6 db attenuation for each 5 degrees rotation; operation function switch—MGC-BFO, AGC-AM phone, AGC-SSB, MGC-SSB. Two coaxial jacks provided for addition of single sideband adapter; 4-ohm speaker terminals; antenna connections for doublet and Marconi-type; transmitter relay control. 100 kc marker crystal. Controls: Dual-speed tuning, AF gain, BFO pitch, BFO injection, antenna trimmer, calibration adjust, band selector, RF gain—on-off, function switch, stand-by—receive—transmit switch, crystal filter, selectivity selector, crystal filter phasing-rejector control, ANT on-off. Tubes: 6BZ6 RF, 6U8 1st Mixer, 6CR6 1st IF Amp, 6U8 2nd Mixer, 6U8 2nd IF Amp-BFO, 6T8 2nd Det-ANT-1st AF, 6AQ5 AF Output, 5Y3 Rect, OA2 Voltage Regulator. 117 v. 50-60 cycle AC. Sturdy steel console-type case finished in attractive gray. Size: 10" h. x 16 1/2" w. x 10" d. Ship. Wt., 36 lbs. Net Each. **\$249.00**

Model 4302 Speaker. Speaker in case, matches 4350A design; 4-ohm impedance. Size: 10" h. x 8 1/2" w. x 5 1/2" d. Shipping Weight, 6 lbs. Net Each. **\$17.50**

Electro-Voice

STEREO CARTRIDGES AND ENCLOSURE KITS



PROFESSIONAL 31 SERIES

STEREOPHONIC CARTRIDGES

WIDE RANGE, HIGH LATERAL AND VERTICAL COMPLIANCE

Electro-Voice, producer of the first modern stereo cartridge, now brings you a new concept in cartridge design. . . . Dramatic in styling, dramatic in performance. . . . Made possible by 30 years of unique experience in the design of outstanding electro-acoustical products. . . . by the largest single engineering corps in the industry. Electro-Voice proudly presents the all-new Professional 31 Series compatible stereo-monophonic cartridges.

Replaces Magnetics Directly. The 31MD-5 and the 31MD-7 replace conventional magnetic cartridges directly, no circuit changes necessary. Weight of the cartridge is 9 grams; no additional compensating weights are needed. Conventional equalization and pre-amplification, available in all magnetic phono inputs, is all that is necessary.

Also Available in Standard Models. The new E-V "31" Series consists of the "Magnaramic 31" ("M") Models, for magnetic phono inputs, and the Standard Series (no "M" in Model No.), for high-impedance ceramic phono inputs.

"MAGNERAMIC 31" MODELS

For magnetic phono inputs. Compliance, 3.5 lateral and vertical. Response, 20 to 20,000 cps ± 2 db. Isolation, 28 db at 1000 cps. Output, 8 millivolts. Recommended load, 22,000 to 47,000 ohms. Elements, 2 lead zirconium titanate ceramics. Terminals, 4, with standard .050 connectors. Mounting centers are standard $\frac{1}{2}$ " and $\frac{3}{8}$ ".

Model 31MD-5—With .5-mil diamond stylus. For use with transcription-type arms (2-4 grams tracking force). Plays all stereo and LP records. Net Each. **\$24.00**

Model 31MD-7—With .7 mil diamond stylus. For use with changer arms (4-6 grams tracking force). Plays all stereo and LP records. Net Each. **\$24.00**

STANDARD MODELS

For high-impedance, ceramic inputs. All specifications given at left for "Magnaramic 31" models apply to the Standard models, except for the following: Output, 300 millivolts (no external pre-amplification or equalization is required). Recommended load, 3 megohms or higher. If it is desired to use an E-V Standard model, but the proper high-impedance phono input is not available, write to Electro-Voice for Technical Bulletin No. 5 on circuit modification to accept the output of Standard model cartridges.

Model 31D-5—With .5-mil diamond stylus. For use with transcription-type arms (2-4 grams tracking force). Plays all stereo and LP records. Net Each. **\$22.50**

Model 31D-7—With .7-mil diamond stylus. For use with changer arms (4-6 grams tracking force). Plays all stereo and LP records. Net Each. **\$22.50**

E-V "BUILD-IT-YOURSELF" KD SERIES ENCLOSURES

Now you can own an acoustically correct Electro-Voice high-fidelity, folded-horn speaker enclosure for your home music system and save up to one-half! Build it yourself . . . two models to choose from . . . wall type . . . corner model . . . for full-range loudspeakers . . . for separate two or three-way speaker systems.

These superlative, completely engineered kits, designed and styled by Electro-Voice, are ready to assemble. All lumber parts are pre-cut with exterior surfaces of clear-grained korina; glue, screws and nails are included. Easy, step-by-step instructions show you how to "do-it-yourself".

Model KD6 Aristocrat—A deluxe, space-saving, folded-horn corner enclosure. Extends bass range one full octave and increases power-handling capacity of loudspeakers in the lower range by as much as 50%. For use with 12-inch drivers such as E-V SP12 or SP12B coaxial speakers, 12TRX or 12TRXB three-way reproducers, and separate two- and three-way systems using Model 12W or 12BW woofers. Size 29 $\frac{1}{2}$ " h., 19" w., and 15 $\frac{1}{4}$ " d. Shipping Weight, 44 lbs. Net Each. **\$39.00**

Model KD9 Marquis—Kit version of the popular Marquis along-the-wall folded horn enclosure. Performance and appearance similar to KD6 Aristocrat. Ideal for stereo pairs or for use with KD6 when converting to stereo. Accepts all 12" loudspeakers plus E-V Model BB1, BB2, BB3 and BB4 Building Block Kits. Size 29 $\frac{1}{2}$ " h., 19" w., and 14 $\frac{1}{2}$ " d. Shpg. Wt., 42 lbs. Net Each. **\$36.00**

FINISHING KITS

Electro-Voice finishing kits make it easy for you to obtain professional-like furniture finishes. These kits, prepared especially for the home finisher, are complete with stain filler, sealer, shellac, high gloss and satin varnishes, finishing paper, brushes and sponges, easy-to-follow instructions. Available in the following finishes:

Model FK10 —Walnut.	Model FK30 —Fruitwood.	Model FK50 —Golden Oak.
Model FK20 —Cordovan Mahogany.	Model FK40 —Cherry.	Model FK60 —Ebony.
Net. Each. \$6.00		

DECORATIVE TRIM KIT

Addition of this custom grille and trim set will provide, for your enclosure, a smart, finished appearance to complement any interior decor.

Model AK6—Grille kit with lacquered, antique brushed brass crossbar grille cut for KD6 and KD9 enclosures. Shipping Weight 3 lbs. Net Each. **\$4.80**

DO-IT-YOURSELF INSTRUCTION BOOKS

These easy-to-follow instruction books, supplied with Electro-Voice KD kits, are available separately for the homeshop enthusiast. Full construction details.

Model IB6 Aristocrat Instruction Book —Net Each.	\$1.00
Model IB9 Marquis Instruction Book —Net Each.	1.50



KD6 ARISTOCRAT



KD9 MARQUIS

Electro-Voice is a pioneer producer of acoustic products, an industry leader for over thirty years, and today is a prime supplier to the audio industry. E-V products are used throughout the world and include microphones; high-fidelity loudspeakers, stereo phonograph cartridges, enclosures, and systems; RME communications equipment; marine instruments; professional test equipment; and special products for the military.

From original conception to final product all basic processes are housed in our plants. In our laboratories we maintain the largest staff of engineers devoted exclusively to development of audio-acoustic products of any company, regardless of size. In our plant, we make tools and dies, die-cast, plate, machine, stamp, mold plastics, and assemble. Specially-designed test equipment is used for quality control.

Basic engineering and research at Electro-Voice has developed and will continue to develop superior products in the audio and video fields. This research without end at E-V has resulted in development of microphones featuring the Differential Principle of noise pick-up cancellation, the Mechanophase Principle of Cardioid Unidirectivity, the Acoustalloy Diaphragm, and the Variable D Cardioid Dynamic. Electro-Voice developments also include the Hoodwin Diffraction Horn, Radax Coaxial Speakers, Avedon Throat Design, separate 2-way, 3-way, and 4-way High-Fidelity Speaker Systems for stereophonic and monophonic reproduction; Monaural and Compatible Stereo-Monaural Power Point Cartridges; Compound Diffraction Projectors; and Electronic Tachometers.

The combination of our people, products, and policies has resulted in making Electro-Voice a respected name . . . EVERYWHERE. This is why your finest choice is always Electro-Voice.

ELECTRO • VOICE, INC.
BUCHANAN • MICHIGAN



In Canada: E-V of Canada, Ltd., 73 Crockford Blvd., Scarborough, Ontario

D I S T R I B U T E D B Y