

# Microphones / Public Address Equipment Catalog 166



If You Didn't Get This From My Site,  
Then It Was Stolen From...

[www.SteamPoweredRadio.Com](http://www.SteamPoweredRadio.Com)

**Electro-Voice**<sup>®</sup>

SETTING NEW STANDARDS IN SOUND



## PRODUCT INDEX

BC-TV Microphones	1, 2
General Purpose Microphones	3, 4, 5, 6
Microphone Accessories	7
Public Address Horns and Drivers	8, 9, 10, 11
Public Address Transformers and Accessories	12

## OTHER ELECTRO-VOICE PRODUCTS

High Fidelity Products	Catalog No. 266
Phonograph Needles	Catalog No. 366
Phonograph Cartridges	Catalog No. 466

**FOR DETAILED INFORMATION** on any Electro-Voice product or assistance with specific installations, write to: Sales Department  
Electro-Voice, Inc.  
600 Cecil Street  
Buchanan, Michigan 49107  
Phone 616/695-6831

**NOTE:** Output reference level for E-V microphones—Hi-Z, carbon and transistorized. 0 db = 1 volt/dyne/cm<sup>2</sup>  
Other Lo-Z, 0 db = 1 milliwatt/10 dynes/cm<sup>2</sup>





## BC-TV-RECORDING MICROPHONES-DYNAMICS

### Cardiline™ Unidirectional Microphones

**MODEL 642**—A highly directional dynamic microphone combining the best characteristics of cardioid and distributed front-opening designs.\* Essentially cardioid unidirectional up to 500 Hz; highly directional over balance of range. Working distance is 2 to 3 (or more) times that of conventional types. Excellent for boom use with Model 356 shock mount. Minimum mechanical shock transfer and wind noise interference. Response: Flat from 40 to 10,000 Hz or choice of 5 or 10 db low frequency reduction steps by screwdriver adjustment. Acoustalloy® diaphragm. Impedance: 50, 150 and 250 ohms, externally adjustable. Output level: —48 db. Cast aluminum case with non-reflecting gray finish. Supplied with Cannon UA-3-14 connector, 20' 3-conductor shielded broadcast cable and UA-3-11 Cannon connector. Length, 17<sup>7</sup>/<sub>8</sub>" ; max. diameter, 3<sup>3</sup>/<sub>16</sub>". Must be used with Model 356 or 327. Net weight, 3 lbs., 4 oz. List Each .....\$390.00

**MODEL 643** — A highly directional dynamic microphone combining the best characteristics of cardioid and distributed front-opening principle\*, for more specialized and extended long-range pickup. Provides cardioid pickup pattern to 100 Hz and is highly directional over balance of range. Includes integral 3-position switch for selecting flat response or one of two bass tilt-down positions. Integral 100 Hz cutoff filter. Impedance: 50, 150, or 250 ohms, selected by changing internal connector pin. Light weight extruded and cast aluminum case with integral shock mount and removable wind filter. Output: —48 db. Response: 30 to 10,000 Hz. Length, 7'2". Maximum diameter, 4". Cannon UA-3-14 and UA-3-11 connectors. Supplied with 20' cable and storage case. Fits 5/8"-27 pipe threads. Net weight, 12 lbs. List Each .....\$1,560.00

\*U.S. Patent No. 3,095,084



### Cardioid Unidirectional Microphones

**MODEL 666 SUPER CARDIOID** — A Variable-D® microphone† for high discrimination against sounds from back. 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: 40 to 15,000 Hz. Output: —58 db. Internal connector pin impedance change. Wired for 150 ohms; taps at 50 and 250 ohms. Non-reflecting gray finished aluminum case. Built-in Cannon UA-3 connector. Model 300 stand mount with 5/8"-27 thread and 20' cable furnished. Length, 7<sup>3</sup>/<sub>4</sub>". Diameter, 1<sup>3</sup>/<sub>4</sub>". Net weight, 11 oz. List Each .....\$255.00

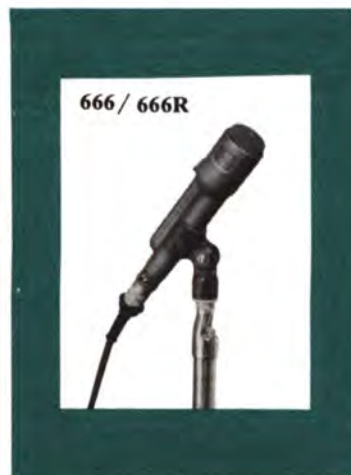
**MODEL 666R RISING RESPONSE CARDIOID**—Like Model 666, but with response which rises 4<sup>1</sup>/<sub>2</sub> db from 100 to 1,000 Hz, reducing pickup of low-frequency reverberations, room "rumble" and prop noise. Particularly suited to boom use. Output: —58 db. List Each .....\$255.00

**MODEL 665 CARDIOID**—Similar in design and function to the Model 666, but for less exacting applications. Uniform response 70 to 13,000 Hz. Recessed switch provides 50 or 250 ohms. Pressure-cast zinc case. Non-reflecting gray finish. Diameter, 1<sup>7</sup>/<sub>8</sub>"; length, 7<sup>3</sup>/<sub>16</sub>"; 18' cable. Fits 5/8"-27 threaded stand. Net weight, 1 lb. 10 oz. List Each .....\$150.00

**MODEL 668** — Entirely new Continuously Variable-D® cardioid† designed specifically for boom use in broadcasting and recording. Extremely smooth cardioid pattern for maximum reduction of ambient noise and reverberation. Integral wind-screen eliminates noise caused by motion of boom-mounted microphone through the air. Built-in equalizer provides choice of 36 response variations. Acoustalloy® diaphragm. Response: 40 to 10,000 Hz. Output: —51 db. Internal impedance selector permits 50, 150 or 250 ohm connection. Non-reflecting gray finished aluminum case. Two-foot mechanical isolation cable and twenty-foot three-conductor shielded broadcast type cable included. Supplied complete with shock isolating boom mount. Length: 9<sup>5</sup>/<sub>8</sub>". Diameter, 3<sup>1</sup>/<sub>4</sub>". Net weight, 1 lb. 11 oz. List Each .....\$495.00

**MODEL 667A** — Identical to Model 668 except incorporates selection of six different response curves. List Each .....\$345.00

†U.S. Patent No. 3,115,207



## Omnidirectional Microphones

**MODEL 655C SLIM-TRIM TV DYNAMIC**—Frequency response, 40 to 20,000 Hz. Output level, —57db. Excellent level affords high signal-to-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. Non-reflecting gray finish. Cannon UA-3 connector. Model 300 clamp-on stand mount included, has 5/8"-27 thread. Length, 10 3/8". Diameter, 1 1/8". 20' cable. Net weight, 7 oz. List Each . . . . . **\$100.00**

**MODEL 654A SLIM-TRIM BROADCAST DYNAMIC**—Frequency Response, 50 to 15,000 Hz. Output level: —57 db. Can be used stand-mounted, hand-held or as lavalier. Matches all low impedance inputs. Built-in Cannon XLR-3 connector. Acoustalloy® diaphragm. 18' cable. Length, 6 1/16". Diameter, 1 1/8". Non-reflecting gray finish. Net weight, 7 oz. Supplied with Model 300 clamp and lavalier neck cord. List Each . . . . . **\$100.00**

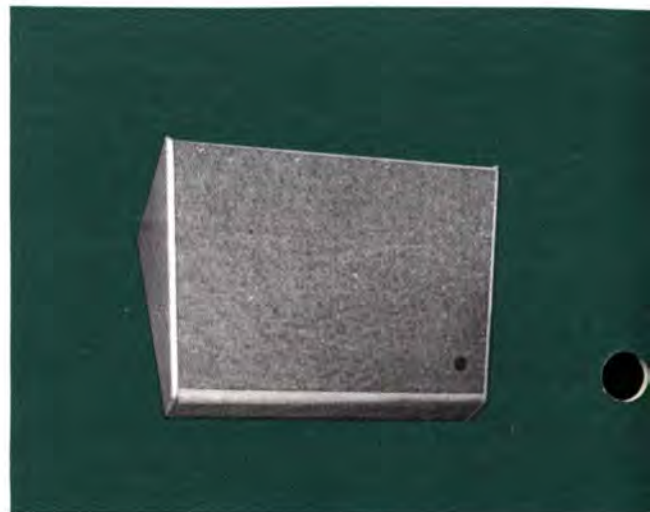
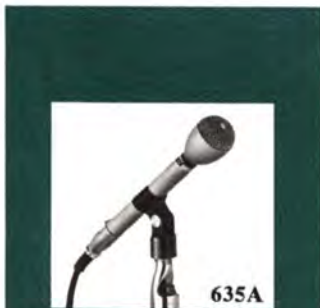
**MODEL 635A BROADCAST DYNAMIC** — Completely redesigned and improved omni-directional microphone, perfect for hand and stand use by entertainers and vocalists. Light weight turned steel case is extremely rugged and provides magnetic shielding. Finished in non-reflecting matte satin nickel. Effective four-stage pop and dust filter virtually eliminates need for external wind screen. Response: 100 to 13,000 Hz (rising). Output, —55 db. Acoustalloy® diaphragm. Low impedance. Cannon XL-3 connector. 2-conductor, 18' cable. Supplied with model 310 clamp and lavalier neck cord assembly. Microphone size: 6" 1. x 1 3/8" diameter (head), 3/4" shank diameter. Net weight, 6 oz. List Each . . . . . **\$82.00**

**MODEL 649B MINIATURE LAVALIER**—Smallest dynamic lavalier—weighs only 31 grams without cable; length, 2 1/4"; diameter, 3/4". Ideal for programming where unobtrusive or concealed microphone placement is desirable. Frequency response: 70 to 10,000 cps (rising). Output: —61 db. Acoustalloy® diaphragm. Omnidirectional. Matches all low impedance inputs. 30' shielded cable. Aluminum case finished in non-reflecting gray. Complete with neck cord, belt clip, model 310 stand mounting clamp, and suede pouch. List Each . . . . . **\$105.00**

## Sentry Series Studio Monitor Speaker Systems

**SENTRY I WALL OR CEILING MODEL** — The first loudspeaker system designed specifically for monitor use in recording and broadcast studios. Permits precise monitoring and equalization uncolored by monitor speaker. Extremely wide, flat response allows use as studio reference standard. Precision driver components include 12" Radax™ loudspeaker, Diffraction Horn high frequency driver and special crossover. Provides smooth frequency response from 30 to 20,000 Hz. Internal matching transformer accommodates 16, 150, and 600-ohm amplifier impedances. Quality hardwood cabinet, smooth sanded and sealed, ready for finishing in your choice of colors if desired. Neutral cane grille cloth. Dimensions: 21 1/2" h. 37" w. x 16 3/8" d. Net weight, 82 lbs. List Each . . . . . **\$275.00**

**SENTRY II FLOOR MODEL** — Same specifications as those shown for Sentry I. Finished on all four sides to permit vertical or horizontal mounting. Includes protective metal trunk-type corners which may be attached for portable applications. Dimensions: 32" x 20" x 13" deep. Net Wt. 63 lbs. List Each **\$290.00**



SENTRY I

SENTRY II





## GENERAL PURPOSE MICROPHONES

**MODEL 644 SOUND SPOT®** — Another Electro-Voice revolutionary development, the Sound Spot Model 644 is a combination cardioid and distributed front opening\* instrument, making it the most directional P.A. 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 above 700 Hz giving practically complete rejection of unwanted sound. Cardioid below 700 Hz. This feature gives extremely high rejection of random noise. Reverberation and feedback are vastly lower than with any other P.A. microphone, allowing much greater leeway in loudspeaker placement.

The effective front acceptance angle is 45° each side of center, providing 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 most other microphones.

Frequency response is smooth from 40 to 10,000 Hz. Acoustalloy® diaphragm. High output: —53 db. Dual high and low impedance selected by changing one tap on MC4M cable connector. The case is high-pressure die-cast zinc with 3/4" aluminum tube; satin chrome finish. Rear diameter 2 5/16", length 16". Cable is 15'. Net weight, 2 lbs. 9 oz. List Each ..... **\$110.00**

\*U.S. Patent No. 3,095,084

### Cardioid Unidirectional Dynamic Microphones

**NEW MODEL 674 CARDIOID DYNAMIC** — Radically new design brings truly professional quality to public address, recording, communications, and other general purpose microphone applications. An exclusive Continuously Variable-D® microphone† which assures uniform symmetrical cardioid pattern at all frequencies. Frequency response 60 to 15,000 Hz. Highest discrimination against feedback and unwanted sound. Exclusive three position switch offers controlled low-frequency attenuation to overcome rumble and feedback when microphone is used at a distance.

Stud-mount for use on floor or desk stand with 5/8"-27 threads. Incorporates on/off switch.

Slim design permits full view of person speaking. Rugged high pressure die-cast construction. Acoustalloy® diaphragm. Dual Lo-Z and Hi-Z, impedance changed by moving one wire in cable connector. Output, —57 db. Satin chrome finish. 15' cable. Size: 7 7/8" l. x 1 1/4" dia. (not including stud). List Each .... **\$100.00**

**MODEL 674A**—Non-reflecting Gray finish. Shipped wired for Lo-Z. List Each ..... **\$100.00**

**MODEL 674G**—Gold finish. List Each..... **\$110.00**

**MODEL 676 CARDIOID DYNAMIC**—Similar to 674 microphone, above, except less mounting stud and on/off switch. For use with stand mounting clamp (Model 300 supplied) so microphone can easily be removed and used hand-held during performance. Response 60 to 15,000 Hz, with low-frequency attenuation switch. Output — 57 db. Dual Hi- and Lo-Z, selected by moving one wire in connector. Satin chrome finish. 15' cable. Size: 7 3/8" l. x 1 1/4" dia. Net weight, 12 oz. less cable. List Each ..... **\$100.00**

**MODEL 676A**—Non-reflecting Gray finish. Shipped wired for Lo-Z. List Each ..... **\$100.00**

**MODEL 676G**—Gold finish. List Each ..... **\$110.00**

**MODEL 664 CARDIOID DYNAMIC** — Similar to Model 666 in function, but designed for quality tape recording, communications, and public address applications. Cardioid pattern at all frequencies, with Variable-D† feature. Permits close talking without "booming" or bass accentuation. Provides better dis-

crimination against unwanted sound. Blast filter minimizes wind effect. Acoustalloy® diaphragm shielded from dust and magnetic particles. Response 60-15,000 Hz. Output —58 db. On-off switch. Dual Lo-Z and Hi-Z, impedance changed by moving one wire in cable connector. Pressure-cast case. Chrome finish. 15' cable. Size: 7 1/4" l., less connector; 1 7/8" dia. Net weight, 1 lb. 10 oz. List Each ..... **\$85.00**

**MODEL 664A**—Non-reflecting Gray finish. Shipped wired for Lo-Z. List Each ..... **\$85.00**

**MODEL 664G**—Gold finish. List Each..... **\$90.00**

### Omnidirectional Dynamic Microphones

**MODEL 641**—Modern two-tone design dynamic microphone. High output level, wide-range response. For public address, home recording, communications, electronic teaching aids, paging systems. Integral On-Off switch, wide frequency response. 70 to 10,000 Hz. Output —57 db. 15 foot cable. Case is chrome plated die-cast zinc and gray high impact plastic. Standard 5/8"-27 stand connector. Available in Hi-Z or balanced Lo-Z, must be specified. Size: 4 1/2" l. x 1 3/4" dia., not including stud. Net weight, 8 oz. less cable. List Each ..... **\$39.50**

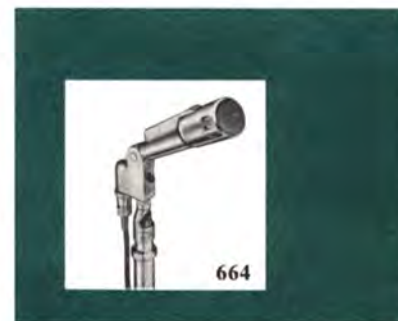
**MODEL 634A**—Similar to Model 641 (above) except furnished without stand mounting stud or on-off switch. Fits any stand, boom or gooseneck with complete cable concealment. Ideal for desk mounting on electronic teaching aids, amateur and commercial communications and switchboard mounting for paging systems. 6 foot cable and standard 5/8" -27 threads in rear of case. Hi-Z or balanced Lo-Z, must be specified. Size: 4" l. x 1 3/4" dia. Net weight, 8 oz. List Each ..... **\$30.00**



644



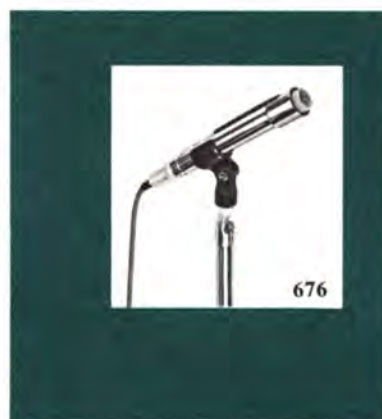
674



664



641



676



634A



†U.S. Patent No. 3,115,207

**MODEL 636 "SLIMAIR" DYNAMIC**—Exceptionally fine for PA, recording and general use. Response 60-13,000 Hz. Output —58 db. Pop-proof head. Wide pickup range. On-Off switch. Satin chrome finish. Tilttable head.  $\frac{5}{8}$ "-27 thread. Dual Hi-Z or Lo-Z selected by changing one wire in connector. 15' cable. Length: 10 $\frac{1}{4}$ " including stud. 1 $\frac{1}{8}$ " maximum diameter. Net weight, 15 oz. List Each ..... **\$72.50**

**MODEL 636G**—Gold finish. List Each..... **\$77.50**

**MODEL 630 HIGH FIDELITY, HIGH-OUTPUT DYNAMIC**—Famous for quality at low cost. Response 60-11,000 Hz; 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 balanced Lo-Z, must be specified. Size: 6 $\frac{1}{4}$ " h. x 2" dia. 15' cable. Net weight, 1 lb. List Each ..... **\$52.50**

**MODEL 647A DYNAMIC LAVALIER**—Smallest high quality microphone in the entire public address field delivers big microphone performance. Extremely rugged dynamic construction assures long life. Frequency response, 70 to 10,000 Hz. Acoustalloy® diaphragm. Hi-Z or balanced Lo-Z, must be specified. Output: —60 db. Non-reflecting gray finish. 18' cable. Complete with neck cord, clip, and stand mounting clamp. Size: 3 $\frac{3}{4}$ " l. x  $\frac{3}{4}$ " dia. Net weight, 2 oz. List Each ..... **\$82.50**

**MODEL 623 SLIM DYNAMIC**—Ideal for PA, recording and general use. Use on stand or in hand. Omnidirectional. Response 60-12,000 Hz; output level —56 db. Acoustalloy® diaphragm. Dual Hi-Z or Lo-Z selected by changing one wire in connector. Pressure-cast case, satin chrome finish. Tilttable head. On-off switch.  $\frac{5}{8}$ "-27 thread. Size: 7 $\frac{1}{2}$ " l. x 1 $\frac{5}{16}$ " dia. 15' cable. Net weight, 15 oz. List Each ..... **\$57.00**

**MODEL 611 "MERCURY" DYNAMIC**—Traditional styling, fine performance for general sound pickup. Response 50-9000 Hz; output level —55 db. Omnidirectional. Acoustalloy® diaphragm. Tilttable head. On-Off Switch. Built-in MC-3 connector.  $\frac{5}{8}$ "-27 thread. Satin chrome finish. Available in Hi-Z or balanced Lo-Z, must be specified. 15' cable. Size: 2 $\frac{7}{8}$ " w. x 6 $\frac{3}{4}$ " h. x 2 $\frac{3}{8}$ " d. Net weight 1 lb. 4 oz. List Each ..... **\$45.00**

**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. Non-reflecting gray finish. Wire mesh head acoustically treated for wind and moisture protection. Output —56 db, response 100-7,000 Hz. Acoustalloy® diaphragm. Available in Hi-Z or Lo-Z (not balanced to ground), must be specified. Cable has integral strain relief. Size: 3 $\frac{1}{8}$ " l. x 1 $\frac{1}{4}$ " dia. Net weight, 14 oz. List Each..... **\$45.00**

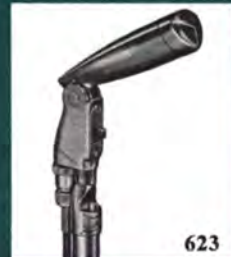
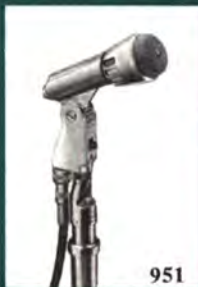
**MODEL 619 "PRESS TO TALK" DYNAMIC**—Modern, reliable base-station microphone ideal for ham, CB, or business communications and paging. Rugged die-cast stand in communications gray and contrasting, chrome plated die-cast head. Press-to-talk switch located on base may be moved into upper part of stand for grip-to-talk operation. Switch shorts microphone in "off" position and provides for relay operation or electronic switching. Response: 70-10,000 Hz. Output: —57 db. Hi-Z or balanced Lo-Z, must be specified. Cable: 15' (Lo-Z), 6 $\frac{1}{2}$ ' (Hi-Z). Size: 4 $\frac{3}{8}$ " w. x 9" h. x 4 $\frac{3}{4}$ " d. Net weight, 2 lbs. 2 oz. List Each..... **\$47.50**

**Crystal and Ceramic Microphones**

**MODEL 951 CARDIOID CRYSTAL**—A Variable-D® microphone\* like E-V's BC-TV cardioids, obtains 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 Hz. Output —60 db. Hi-Z. On-Off switch. Pressure-cast case. Metalustre gray finish. 15' cable. MC-1 connector. 5 $\frac{3}{8}$ " l. (excluding stud), 1 $\frac{3}{4}$ " dia. overall. Net wt., less cable, 1 $\frac{1}{4}$  lbs. List Each ..... **\$54.50**

\*U.S. Patent No. 3,115,207

**MODEL 924 LAVALIER CRYSTAL**—Unique crystal lavalier for chest or hand use. Supplied with neck cord, support clip and 18' cable. Non-reflecting gray finish. Wire mesh head acoustically treated for wind and moisture protection. Output—60 db. Response 60-8,000 Hz. Hi-Z. 3 $\frac{5}{32}$ " l. x 1 $\frac{7}{32}$ " dia. Cable has integral strain relief. Net weight 8 oz. List Each..... **\$23.50**



**MODEL 911 CRYSTAL**—Same smart design and fine performance as Model 611. Response 50-10,000 Hz. Output —50 db. Metal Seal Crystal. MC-1 connector. Hi-Z. 15' cable. Net weight 1½ lbs. List Each .....\$37.50

**MODEL 920 "SPHEREX" CRYSTAL**—Omnidirectional pickup. Response 60-10,000 Hz; output level —50 db. Strong wire-mesh head acoustically treated for wind and moisture protection. High capacity, moisture sealed crystal. Hi-Z. Satin chrome. 5/8"-27 thread. Diam. 2¼". 15' cable. Net Weight 8 oz. List Each .....\$27.50

**MODEL 714**—A high output, ceramic hand-held communications microphone for paging, ham radio, and Citizens Band use. Molded, tough, gray Cocolac case, usually found only in most expensive mobile microphones, assures long life and protection from accidental shock damage. Response tailored for maximum intelligibility. High level, high impedance output —55 db over range of 100 to 7,000 Hz. DPDT switch shorts microphone in "off" position and closes relay circuit in "on" position, may be used for electronic switching. 3-conductor coiled cord extends to 5'. Size: 2½" w. x 3½" h. x 1¼" d. Net weight, 8 oz. including cable. Complete with hang-up bracket. List Each .....\$16.50

**MODEL 717**—Similar to Model 714 above except close talking cardioid pickup pattern for rejection of unwanted background noise and feed-back. Specially designed ceramic element with apertures on either side of diaphragm provides effective attenuation of sounds arriving from the rear and sides. Output level —55 db. Frequency response 100 to 7,000 Hz. List Each . . \$19.50

**MODEL 719 "PRESS TO TALK" CERAMIC** — Versatile, modest cost base-station microphone for any communications or paging work. Integral stand and head are both die-cast, communications gray and chrome plated, respectively. Switch may be used for press-to-talk in base, or moved to upper part of stand for grip-to-talk use. Switch shorts microphone in "off" position, allows relay operation or electronic switching. Hi-Z. Output: —56 db. Response: 70-7,000 Hz. 6½' cable. Size: 4¾" w. x 9" h. x 4¾" d. Net weight, 2 lbs. 2 oz. List Each . . . . \$27.50

**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. Discrimination against sound from the rear makes the 729 excellent for amateur radio VOX operations. Tailored for single sideband. Output: —60 db. Response: 60 to 8,000 Hz. High impedance only. Metalustre gray front with medium gray back. 8½' cable. Attractive desk stand and floor stand adapter supplied. Size: 1½" w. x 8¼" h. x 1¾" d. Net weight, 9 oz. less cable and stand. List Each .....\$24.50

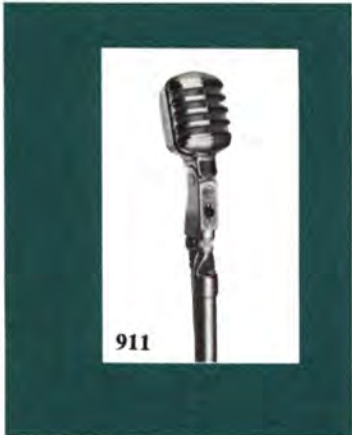
**MODEL 729SR**—With relay control switch. List Each . . \$26.50

**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 60-8,000 Hz. Output —55 db. High impedance only. 8½' cable. Metalustre gray front with medium gray back. Supplied with attractive desk stand and floor stand adapter. Size: 1½" w. x 7¾" h. x 1¾" d. Net weight, 9 oz. less cable and stand. List Each . . . . . \$20.00

**MODEL 727SR**—With relay control switch. List Each . . \$23.50

**MODEL 715 "CENTURY" CERAMIC**—Use in any position—in hand, on table, on stand or overhead. Ceramic element. 60-7,000 Hz; output —55 db. Hi-Z. 5' cable. Omnidirectional. Metalustre gray finish. Rugged, lightweight. AC-DC insulated. With 5/8"-27 adapter. Size: 2¼" w. x 3" h. x 1" d. Net weight, 6 oz. List Each .....\$14.75

**MODEL 721 CERAMIC**— New amazingly inexpensive microphone featuring high output level and light weight for recording, experimenting, and general use. High impact gray plastic case. Use handheld or with integral fold-out stand. Response 100-5000 Hz. Output: —52 db. Hi-Z. 5' cable. Size: 2¼" w., 3¾" h., 1" d. Net Weight: 3 oz. List each.....\$6.50



## Differential And Special Purpose Microphones

**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 Hz. Output at  $\frac{1}{4}$ " : —55 db. Acoustalloy® diaphragm.  $\frac{5}{8}$ "-27 thread. Built-in connector. Satin Chrome finish. Size:  $3\frac{1}{4}$ " h. including stud x 2" dia. Hi-Z or balanced Lo-Z, must be specified. 15' cable. Net weight, 8 oz. less cable. List Each ..... **\$52.50**

**MODEL 600E DYNAMIC MOBILE MIKE**—Reliability factors have been improved over all previous designs. High-impact Cyclocac case and rugged dynamic construction assure protection against shock damage. Easy-action switch provides years of use—shorts microphone in "off" position to eliminate electrical noise pickup and closes relay circuit when depressed. High output level —55 db. Response 100 to 7,000 Hz specifically matched to high intelligibility requirements. Size:  $2\frac{1}{2}$ " w. x 4" h. x  $1\frac{1}{2}$ " d. Color, communications gray. Shielded coiled cord extends to 5'. Complete with hang-up bracket. Hi-Z or balanced Lo-Z, must be specified. Net weight, 10 oz. List Each . . . **\$39.00**

**MODEL 602F NOISE CANCELING DYNAMIC MOBILE MICROPHONE** — New differential close-talking microphone featuring superior rejection of unwanted background noise. Two balanced rear port openings phase out sound originating more than  $\frac{1}{4}$ " away. Output, —55 db. Response, 200-5,000 Hz. High-impact, rugged Cyclocac case, communications gray. Press-to-talk switch shorts microphone in "off" position and closes relay contacts in "on". Shielded coiled cord extends to 5'. Hi-Z or balanced Lo-Z, must be specified. Size:  $2\frac{1}{2}$ " w. x 4" h. x  $1\frac{3}{4}$ " d. Net weight, 10 oz. List Each ..... **\$57.50**

**MODEL 603TR TRANSISTORIZED NOISE CANCELING MOBILE** — Developed especially for aircraft applications, the 603TR is a superior, highly reliable microphone providing all dynamic advantages for direct replacement of carbon units. Rejects sounds originating more than  $\frac{1}{4}$ " away for elimination of high ambient background noise. Built-in transistor amplifier with 48 db. gain matches output level of carbon circuits. Output adjustable with internal potentiometer up to —16 db. Magnetic hanger bracket furnished, holds face of microphone. Acoustalloy® diaphragm. Response: 200-4,000 Hz. Coiled cord extends to 5'. Press-to-talk switch shorts microphone in "off" position and provides relay control. Lo-Z. Size:  $2\frac{1}{4}$ " w. x  $3\frac{1}{16}$ " h. x  $1\frac{3}{8}$ " d. Net weight, 8 oz. List Each ..... **\$140.00**

**MODEL 602TR** — Similar to 603TR with different case design, uses conventional hanger which is supplied. Fixed output level, —23 db. Response: 100-5,000 Hz. Size:  $2\frac{3}{8}$ " w. x 4" h. x 2" d. Net weight, 13 oz. List Each ..... **\$93.00**

**MODEL 210E CARBON** — Similar to 600E but single-button carbon. Output —50 db. Lo-Z. Press-to-talk switch closes microphone and relay circuit. Coiled cord extends to 5'. List Each ..... **\$35.00**

**MODEL 205STCKK Differential Carbon** — Close-talking, noise-cancelling, single button carbon. For aircraft and emergency communications. FAA approved — Certificate No. 1040. Blastproof, waterproof and shock resistant. Output at  $\frac{1}{4}$ " : —50 db. Lo-Z. Black phenolic case. Press-to-talk switch closes microphone and relay circuit. Mounting bracket furnished. Coiled cord extends to 5'. Size:  $2\frac{1}{4}$ " w. x 4" h. x 2" d. Net weight 12 oz. List Each ..... **\$50.00**

**MODEL 205STCKKP** — Same as above with PJ-068 plug. List Each ..... **\$54.75**

**MODEL 625SKK DYNAMIC DIFFERENTIAL HANDSET** — For paging, intercom, and communications. Sturdy phenolic case contains noise-cancelling Lo-Z microphone and 150 ohm magnetic receiver. Response: 100-5,000 Hz. Output: —55 db. Grip-to-talk switch closes microphone and relay circuit. Five-conductor coiled cord extends to 5'. Size:  $2\frac{5}{8}$ " w. x  $8\frac{1}{2}$ " l. x 3" d. Net weight, 1 lb. 8 oz. List Each ..... **\$85.00**

**MODEL 625TRSCK**—Identical to Model 625SKK above except with two-stage transistor amplifier with gain of 35 db. for direct replacement in carbon microphone circuits. FAA type certificate: 3R42-2. List Each ..... **\$122.50**

**MODEL 648 INTERCOM MICROPHONE**—Extremely versatile paging, intercom, or talk-back microphone. Omnidirectional. Acoustalloy® diaphragm. Non-reflecting gray. Does not include cable. Response: 50-10,000 Hz. Output: —58 db. Hi-Z or Lo-Z, must be specified. Size: 6" l. x 1" dia., including  $\frac{5}{8}$ "-27 thread adapter. Net weight,  $8\frac{1}{2}$  oz. List Each ..... **\$56.00**

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



606



805



602F



602TR



603TR



648



625SKK



600E



205STCKK





# MICROPHONE ACCESSORIES

## Clamps

**MODEL 300 DETACHABLE MICROPHONE CLAMP**—Light weight adapter fits any 1" to 1 1/8" dia. cylindrical microphone providing positive mounting to 5/8"-27 desk or floor stand.  
List Each .....\$7.50

**MODEL 310 DETACHABLE MICROPHONE CLAMP**—Similar to Model 300 above, but designed for 3/4" diameter microphones. List Each .....\$6.00

**MODEL 311 SNAP-IN CLAMP**—Similar to Model 310, but cut back for easy snap in, snap out of microphone. ....\$6.00

## Suspension Shock Mounts

**MODEL 356 SUSPENSION SHOCK MOUNT**—For use with Model 642 on boom or floor stand when no windscreen is used. List Each .....\$50.00

**MODEL 324 SHOCK MOUNT**—Suspension mount for Model 642 microphone. Will accept Model 326 windscreen. List Each .....\$65.00

## Windscreens

**MODEL 327 WINDSCREEN PACKAGE**—Consists of 324 shock mount and 326 windscreen, for use with Model 642 microphone. Fabricated of Acoustifoam®, eliminates "blast" caused by fast panning of boom, or when used outdoors. Net weight, 1 lb., 8 oz. List Each .....\$100.00

**MODEL 326 WINDSCREEN KIT**—Acoustifoam® windscreen for Model 642 microphone. Compatible with Model 324 Shock mount. List Each .....\$45.00

**MODEL 335A WINDSCREEN**—Acoustifoam® windscreen fits 630, 641, 634 microphones. Net weight, 1/2 oz. List Each .....\$12.50

**MODEL 355 WINDSCREEN**—Designed to reduce or eliminate wind noise, this windscreen is constructed of Electro-Voice Acoustifoam®, a material which will not alter frequency response or polar characteristics of microphone. Also protects against mechanical shock damage and pickup of dust and magnetic particles. For use with models 665C, 654A, 636, and 623. Size, 9" x 3 1/4". Net weight, 1/2 oz. Color: gray. List Each .....\$11.00

**MODEL 376 WINDSCREEN**—One piece Acoustifoam® sleeve for 676 and 674 microphones. Gray. Size: 2 1/2" dia. x 6 1/2" l. Net weight, 1/4 oz. List Each .....\$15.00

**MODEL 524A WINDSCREEN**—Designed specifically for use with Model 666 microphone. Minimizes wind effect on boom operation or when used outdoors. Made of Acoustifoam®. Net weight, 1/2 oz. List Each .....\$12.00

## Transformer and Filter

**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 Hz ± 1 db. Size 2 7/8" l. x 2" dia. List Each .....\$17.50

**MODEL 513 FILTER**—Designed for use with low impedance microphones, has switch to match 50, 150 or 250 ohms. When used in line between microphone and preamp., it rejects unwanted noise below 100 Hz. Terminals provided for cable connections. Size: 5 5/8" l. x 2 1/4" dia. Net weight, 1 lb. 10 oz. List Each .....\$95.00

## Microphone Stands

**MODEL 418 DESK STAND**—Use with microphones using small-type stud such as Models 611, 623, 630, 641, 636, 674, 911, and 951. Die cast base. Gray finish. List Each .....\$13.00

**MODEL 418S**—With switch. List Each .....\$17.50

**MODEL 419 DESK STAND**—Similar to Model 418 but for use with microphones using large-type stud such as Models 644, 664, and 665. List Each .....\$13.00

**MODEL 419S**—With switch. List Each .....\$17.50

**MODEL 419G**—Same as Model 419, except gold finish to match 664G microphone. List Each .....\$16.25

**MODEL 420 DESK STAND**—Heavy die-cast stand finished in TV gray. Specifically designed for use with E-V 666, 655C, 654A, 652, 652A, 676 or other microphones with 1" diameter. Clamp attachment for mounting 1" to 1 1/8" dia. cylindrical mikes, without tools. Base holds mike in position when subjected to ordinary strain. Net Weight, 3 lbs. List Each .....\$20.00

**MODEL 420G**—Same as 420, except gold finish to match 676G microphone. List Each .....\$26.25

**MODEL 423A DESK STAND**—Sturdy smartly styled, round die-cast matte black base, 5 1/8" diameter. Rests firmly on rubber base buttons. 5/8"-27 thread. 5" chrome riser. Net Weight, 1 lb. List Each .....\$6.00

**MODEL 428 TOUCH-TO-TALK STAND**—Fits standard 5/8"-27 thread. Lever-type DPDT 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 1/8" base diameter. Net Weight, 1 3/4 lbs. List Each .....\$30.00

\*Electro-Voice Trademark



327



524A



355



376



335A



300



356



311



423A



502A



513



428



420



418 / 419





# PUBLIC ADDRESS HORNS AND DRIVERS

## Compound Diffraction Projector

**MODEL 848A**—Combines FC100 Compound Diffraction Horn plus 1828C Compound Driver for finest wide-angle sound, lowest distortion, highest quality of any projector. Specifications: Frequency response, 150-10,000 Hz; impedance, 8 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. complete. List Price .....\$85.00

848A



FC100



AC100



FR150



AR150



HC400



## 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. 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. Large horn is fiberglass with Mesa Tan finish molded in. Use any E-V convertible driver. Specifications: Low-frequency horn — cut-off, 100 Hz; taper, 100 Hz; air column length, 58"; sound distribution, 90° x 120°. High frequency sound distribution, 90° x 120°; crossover, 1,000 Hz. Mouth size 10½" x 20½", depth (less driver), 20". Net Wt. (less driver), 10¾ lbs. List Price .....\$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. Use any E-V convertible driver. Specifications: Low-frequency horn—cut-off, 100 Hz; taper, 100 Hz; air column length, 56"; sound distribution, 80°. High-frequency sound distribution, 30°; crossover, 1,000 Hz. Diameter, 21"; depth (less driver), 21"; Net Wt. (less driver), 11½ lbs. List Price .....\$85.00

**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 Hz; taper, 150 Hz; 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 Price .....\$44.50

**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 horn—cut-off, 150 Hz; taper, 150 Hz; air column length, 41"; sound distribution, 85°; diameter, 21"; depth (less driver), 17". Net Weight (less driver), 6½ lbs. List Price .....\$49.00

**MODEL HC400**—Features wide-angle dispersion in a round reentrant horn. Same horn, less driver, as used in 844A. May be combined with any E-V driver listed on next page. High articulation for difficult paging jobs. Ruggedly constructed die-cast body. Completely weatherproofed and tropicalized. Nom. dispersion: 90°. Low frequency cutoff: 250 Hz. Taper: 250 Hz. Air column length: 16". Finished in Mesa Tan baked enamel. 10" dia., 5¼" deep. Net weight: 4½ lbs. List price .....\$15.00



## Versatile Convertible Drivers

Designed for smooth peak-free response with maximum efficiency, Electro-Voice public address drivers offer the greatest possible long term economy with a consistently high level of performance.

The Reentrant Driver Model 1828R (30 watts) will produce maximum intelligibility when used with such Electro-Voice horns as the AR150 & FR150, and HC400, yet its freedom from severe response peaks assures improved results even when installed on other Reentrant Horns.

The versatile Convertible Drivers listed below are easily adapted for use with all Reentrant-type Horns (E-V and others), but are especially effective when used with the exclusive Electro-Voice Compound Diffraction Projectors (CDP®), FC100, and AC100.

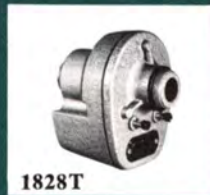
For use in constant voltage systems, order 1828T, DC40T, DC50T, or 1829T.

All drivers have 1 1/8" - 18 threads for attaching horn.

E-V Diaphragm replacement kits (easily field replaceable) are available for all Electro-Voice public address drivers.



1828C, -R



1828T



DC-40, -50



DC40T, -50T



1829



1829T



## Diaphragm Replacement Kits

Model	Use For	List Each
8642	DS30 (844)	\$12.00
8643	DS30-45 (844-45)	15.00
82015	DC30-45 (848-45 & 848LT-45)	15.00
82016	828 (848, 848LT)	12.00
82087	DC30, DC30T	12.00
8617	DC30-45	15.00
82088	DC40, DC40T	12.00
8618	DC40-45	15.00
82089	DC50, DC50T	12.00
8619	DC50-45	15.00
84434	1828C, 1828R (844A)	16.50
84433	1828T	16.50
84431	1829	16.50
84432	1829T	16.50

	1828R*	1828C	1828T	DC40	DC40T	DC50	DC50T	1829	1829T
Frequency Response-Hz	150-10,000	150-10,000	150-10,000	140-11,000	140-11,000	140-11,000	140-11,000	140-11,000	140-11,000
Program Power Capacity-watts	30	30	30	40	40	50	50	60	60
Sound Pressure Level†									
FC100		120 db	120 db	122 db	122 db	124 db	124 db	127 db	127 db
AR150	127 db	127 db	127 db	129 db	129 db	131 db	131 db	133 db	133 db
Voice Coil Impedance-ohms	8	8	8	16	16	16	16	16	16
Transformer Impedance-ohms	.....	.....	167,333,667 1337	.....	125, 250 500, 1000	.....	100, 143 200, 500	.....	83, 167 333, 667
Transformer Power Taps-watts	.....	.....	30, 15, 8, 4	.....	40, 20, 10, 5	.....	50, 35, 25, 10	.....	60, 30, 15, 8
Dimensions (overall)	4" dia., 2 3/4" d	4" dia., 3 1/4" d	5" h 4" w 5 1/4" d	6 1/4" dia. 4 1/4" d	6 1/4" dia. 6" d	6 1/4" dia. 4 1/4" d	6 1/4" dia. 6" d	5 15/16" dia. 4 1/16" d	5 15/16" dia. 6 3/8" d
List Price Each	\$31.50	\$33.00	\$45.00	\$42.00	\$54.50	\$54.50	\$65.50	\$54.50	\$65.50

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

\*Reentrant style only.

If You Didn't Get This From My Site,  
Then It Was Stolen From...

www.SteamPoweredRadio.Com

## Paging Speakers

**MODEL PA7 REENTRANT PROJECTOR** — Attractively styled horn is constructed completely of Implex — virtually indestructible. Non-resonant horn won't dent, finish can't wear off. Electro-Voice diaphragm design eliminates loading problems, provides cleanliness of reproduction never before achieved in small projectors. Handles 7½ watts over a range of 400 to 13,000 Hz. Wide 120° dispersion angle provides excellent coverage. Mounting bracket allows horn to be positioned at any angle. 6¾" diameter by 6" deep. Net weight, 2 lbs.  
List Price .....\$29.75

**PA7-45**—Same as above but with 45-ohm voice coil.  
List Price .....\$31.00

**MODEL PA30T**—Thirty watt paging projector with integral 70.7-volt line transformer. Easily selected line power taps at 30, 15, 8, 4 and 2 watts. Rectangular horn design for maximum versatility and wide dispersion. Rugged, high-impact Implex horn and conservatively rated driver assure maximum reliability. Smooth response for voice and music. Universal swivel bracket permits placement in any position or rotating horn without dismounting. Response: 250-14,000 Hz. Power handling capacity: 30 watts. Dispersion: 120 degrees by 90 degrees. EIA sensitivity rating: 59 db. Sound pressure level: 125 db. Dimensions: 11" h. x 6½" w. x 8½" d. Net weight: 6¾ lbs.  
List Price .....\$47.50

**MODEL PA30**—Same as PA30T, above, except without line transformer. Will accept any type TR3 transformer. Nominal impedance, 8 ohms. Net weight 5½ lbs.  
List Each .....\$36.50

**MODEL PA30-45**—Same as standard PA30, but with 45 ohm voice coil for simple installation in intercom systems.  
List Price .....\$38.50

**MODEL 844A**—For medium-angle sound distribution. Features smooth response with better lows to provide natural paging without feedback. Handles 30 watts—to reduce costs. Rugged die-cast horn, plus field-replaceable voice coil keeps service costs at a minimum. Frequency response, 250–13,000 Hz; power handling capacity, 30 watts program; nominal impedance, 8 ohms; nom. dispersion, 90°; EIA sensitivity rating, 54 db; sound pressure level, 123 db; dimensions, 9¾" diameter x 7¾" deep; Net Weight, 11¼ lb.  
List Price .....\$39.00

**MODEL 847**—Utilizing the famous CDP® Principle—this wide-angle speaker provides higher articulation without annoying "peaked" response over a uniform 120° x 90° area. Low distortion results from use of TWO diffraction horns. 25-watt power handling capacity. Fiberglass horn has mesa tan color molded in. Frequency response, 250–10,000 Hz; power handling capacity, 25 watts; sound pressure level, 114 db; dispersion, 90° x 120°; impedance, 16 ohms; dimensions, 11¾" x 7¾" x 10¼" depth. Net weight, 8 lbs. List Price .....\$55.00

## Multicellular Horn

The Multicellular Horn's dispersion characteristics are virtually independent of frequency, making it ideal for sound reinforcement where precise dispersion and wide, smooth frequency response are required.

**MODEL M253**—Completely weatherproofed Multicellular Horn (less driver), for indoor or outdoor use. Dispersion is essentially uniform at all useful frequencies. (60° vertical, 120° horizontal). Utilizes two rows of five identical cells. Construction is steel, with cells jig assembled and covered with special black damping compound. Use with any E-V driver with 1¾-18 threads. Low-frequency cutoff 300 Hz. Recommended crossover frequency, 300 Hz. Supplied with mounting hardware. Driver-throat built in. No special assembly required. Dimensions: 17½" h., 30½" w., 36½" d. Net weight 26 lbs.  
List Each .....\$300.00



PA7



847



844A



PA30T



M253

## Line Radiator™ Loudspeakers

Three new, wide-angle speaker designs permit wide horizontal dispersion while almost eliminating sound output above or below speaker. Superb for voice-reinforcement systems. Unusually wide frequency range coverage.

**MODEL LR4A**—Curved design\* overcomes unwanted high-frequency dispersion at ends, eliminating echo and feedback. Contains nine 3" x 5" and three 3½" cone speakers. 160° horizontal dispersion; 60° vertical dispersion. Frequency response: 200–10,000 Hz. Power handling capacity: 25 watts program, 50 watts peak. Nominal impedance: 8 ohms. Size 49" h. x 7" w. x 13" d. Mesa tan finished wooden enclosure. Net weight, 26 lbs.

List Price .....\$200.00

**MODEL LR4SA**—All new, completely weatherproofed Line Radiator loudspeaker for outside or indoor sound installations. Extruded aluminum case is lightweight, rugged, and attractive. Finished in Faun metallic, the speaker fits with any decor. Electrical filters remove end speakers from circuit as frequencies increase, eliminating high-frequency lobes at ends. Smooth, carefully tailored frequency response from 200 to 10,000 Hz for true high fidelity sound reinforcement at greatly increased sound pressure levels. Impedance: 8 ohms. Power handling capacity: 40 watts program. Dispersion: 30° vertical, 160° horizontal. Sound pressure level: 116 db (at 4' with 40 watts input 750-1250 Hz.) Size: 48¾" l., 6½" w., 4¾" d. Net weight 25 lbs. Complete with universal mounting bracket and chain.

List each .....\$150.00

**MODEL LR7**—The largest of the revolutionary Electro-Voice Line Radiators. Both low- and high-frequency response extended. Utilizes nine 5" x 7" loudspeakers and two T35 vhf drivers for frequency range of 200 to 17,000 Hz. Full half-section crossover at 3500 Hz. Horizontal coverage 160°, vertical coverage 60°. Power handling capacity 50 watts, impedance 8 ohms. Non-resonant, curved\* wood enclosure finished in Mesa Tan. Universal mounting brackets supplied. Dimensions: 60" high x 11" wide x 14" deep. Net weight, 59 lbs.

List Price .....\$300.00

## Underwater Loudspeaker

**MODEL DU30** — Pool Speaker. For use in swimming pools to provide voice and music audible underwater. May be mounted at any depth down to 4 feet. Specifications: Impedance, 16 ohms. Power handling capacity, 30 watts. Frequency response, 40 to 10,000 Hz. Size, 5¾" diameter x 2¾" deep. Net weight (with cable), 8¾ lbs. Twelve-foot Underwriters approved cable. Resistant to chlorine, bromine, salt water, oil, grease, gasoline.

List Each .....\$97.50

\*U.S. Patent No. 3,125,181

## E-V Musicaster Hi-Fi Outdoor Weatherproof Speaker Systems

**MUSICASTER**—Provides 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. Provision for mtg. 70.7-volt line transformer inside. Specifications: Frequency response, 60–13,000 Hz; nominal impedance, 8 ohms; dispersion, 120°, power handling capacity, 30 watts program; sound pressure level, 110 db; dimensions, 21½" x 21½" x 8½" depth. Net weight, 31 lbs.

List Price .....\$120.00

**MUSICASTER II**—Same fine performance as the Musicaster except has added brilliance and wider coverage from Very-High-Frequency Range Extender. Smooth response to 18,000 Hz. Complete with crossover. Net weight, 33 lbs.

List Price .....\$150.00

**MODEL MB-1**—Surface mounting bracket allows mounting of any Musicaster flat against wall for neat unobtrusive installation. Replaces standard "U" bracket. List Price .....\$6.00

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



DU30



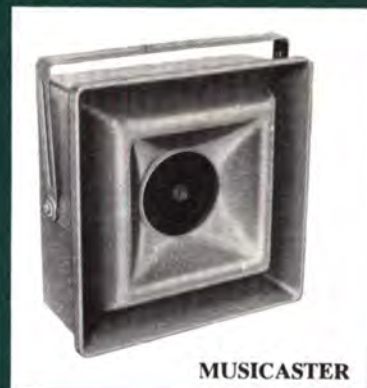
LR4A



LR4SA



LR7



MUSICASTER



# PA TRANSFORMERS AND ACCESSORIES

## Transformers

**MODEL TR5**—5-watt 70.7-volt line transformer. 5, 2.5, 1.25 and .625-watt line power taps. 4, 8 and 16 ohms secondary impedances. Accepts solderless terminals in TH housing. Frequency response  $\pm 2$  db, 35–20,000 cps. Insertion loss 0.8 db. Overall dimensions 2" x 1<sup>13</sup>/<sub>16</sub>" x 1<sup>3</sup>/<sub>8</sub>". Mounting hole centers, 1<sup>3</sup>/<sub>4</sub>". List Price .....\$5.50

**MODEL TR15**—Same as TR5 except 15-watt capacity with 15, 10, 5, 2.5-watt line power taps. Overall dimensions 1<sup>3</sup>/<sub>4</sub>" h., 2<sup>7</sup>/<sub>8</sub>" w., 2<sup>5</sup>/<sub>16</sub>" d. List Price .....\$6.00

**MODEL TR30**—Same as TR5 except 30-watt capacity with 30, 20, 10 and 5-watt line power taps. Overall dimensions 1<sup>3</sup>/<sub>4</sub>" h., 2<sup>7</sup>/<sub>8</sub>" w., 2<sup>5</sup>/<sub>16</sub>" d. Mounting hole centers, 2<sup>3</sup>/<sub>8</sub>". List Price .....\$7.00

**MODEL TR50**—Same as TR5 except 50-watt capacity with 50, 40, 25 and 15-watt line power taps. Overall dimensions 2<sup>1</sup>/<sub>4</sub>" h., 2<sup>5</sup>/<sub>16</sub>" w., 2<sup>1</sup>/<sub>4</sub>" d. Mounting hole centers, 2<sup>3</sup>/<sub>8</sub>". List Price .....\$9.00

**MODEL TM5**—Universal 5-watt 25- and 70.7-volt line transformer. Primary line power taps 5, 2.5, 1.25, .625 watts. Secondary impedance 8, 16 ohms. Accepts solderless terminals in TH housing. Frequency response  $\pm 2$  db, 35–20,000 cps. Insertion loss 0.8 db. Overall dimensions 2<sup>3</sup>/<sub>8</sub>" x 1<sup>15</sup>/<sub>16</sub>" x 1<sup>5</sup>/<sub>8</sub>". Mounting hole centers, 2". List Price .....\$7.00

**MODEL TM15**—Same as TM5 except 15-watt capacity with 15, 7.5, 3.75, 1.875 watt line power taps. Overall dimensions, 2<sup>7</sup>/<sub>8</sub>" x 2<sup>3</sup>/<sub>8</sub>" x 1<sup>7</sup>/<sub>8</sub>". Mounting hole centers, 2<sup>3</sup>/<sub>8</sub>". List Price .....\$8.75

**MODEL TM30**—Same as TM5 except 30-watt capacity with 30, 15, 7.5, 3.75 watt line power taps. Overall dimensions 3<sup>1</sup>/<sub>8</sub>" x 2<sup>3</sup>/<sub>4</sub>" x 2". Mounting hole centers, 2<sup>1</sup>/<sub>16</sub>". impedance. List Price .....\$11.00

**MODEL TM60**—Same as TM5 except 60-watt capacity with 60, 30, 15, 7.5 watt line power taps. Overall dimensions 3<sup>9</sup>/<sub>16</sub>" x 3<sup>1</sup>/<sub>16</sub>" x 2<sup>1</sup>/<sub>2</sub>". Mounting hole centers, 3<sup>3</sup>/<sub>8</sub>". List Price .....\$12.00

**MODEL TR7-2**—7<sup>1</sup>/<sub>2</sub>-watt 25-volt line transformer and weatherproof housing designed specifically for use with the Model PA7. Mounts quickly and easily inside PA7 bracket. Primary impedance taps 83, 156, 312, 624, and 1248 ohms; 7<sup>1</sup>/<sub>2</sub>, 4, 2, 1, and <sup>1</sup>/<sub>2</sub> watt line power taps. 8 ohms secondary impedance. List Price .....\$11.00

**MODEL TR7-7**—Same as TR7-2 above except designed for 70.7 volt line applications. Primary impedance taps 660, 1250, 2500, 5000 and 10,000 ohms; 7<sup>1</sup>/<sub>2</sub>, 4, 2, 1 and <sup>1</sup>/<sub>2</sub> watt line power taps. 8 ohms secondary impedance. List Price .....\$11.00

**MODEL TR3-2**—30-watt 25-volt line transformer and weatherproof housing designed specifically for use with the Model PA30. Line power taps at 30, 15, 8, 4, 2 watts. Secondary impedance 8 ohms. List Price .....\$15.00

**MODEL TR3-7**—Same as TR3-2 above except designed for 70.7-volt line applications. List Price .....\$15.00

## 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<sup>1</sup>/<sub>2</sub>" d. Net weight, 1<sup>3</sup>/<sub>4</sub> lbs. List Price .....\$9.75

**MODEL AP-1**—Pipe stand adapter for mounting any E-V speaker "U" bracket to standard <sup>1</sup>/<sub>2</sub>" pipe. List Price .....\$5.00



TR5



TM60



TR7-7



AP-1



TH

**Electro-Voice®** is a name which, for nearly forty years, has commanded world-wide respect in the manufacture of microphones, high fidelity components, loudspeakers and loudspeaker systems, phonograph needles and cartridges, electronic organs, and special military products.

All basic manufacturing processes — die-casting, plating, machining, stamping, plastic molding, and tool-making—are housed within our own plants — a fact which enables E-V production experts to establish and control quality standards from original concept to final product. The benefits of production economies thus achieved are passed on to Electro-Voice customers in the form of better products and lower prices.

Electro-Voice laboratories are manned by the industry's largest staff of engineers devoted exclusively to audio-acoustic product development. Specially designed E-V test equipment is used for research and quality control and a never-ending search for new design techniques to meet the rapidly expanding needs of industrialists, technicians, and consumers.

Engineering milestones in E-V history are many. The microphones used by U. S. astronauts in nearly all of the successful Mercury orbit projects, and those which are used in the Gemini space program, were designed and manufactured by Electro-Voice, and an Academy Award — the first accorded a microphone manufacturer in twenty-two years—was conferred on an Electro-Voice design by the Academy of Motion Picture Arts and Sciences for outstanding contribution to motion picture production, at a recent awards presentation.

Outstanding microphone design contributions include the Differential Principle of noise pick-up cancellation, the Mechanophase Principle of cardioid unidirectivity, the Acoustalloy Diaphragm, the Variable-D cardioid dynamic microphone, and an improved Distributed Front-Opening principle which makes possible highly directional microphone pick-up.

E-V developments within the loudspeaker field include an exclusive diffraction horn design, Radax coaxial loudspeakers, Sonophase throat design, separate two-, three-, and four-way high fidelity loudspeaker systems, Line Radiator loudspeakers, and Compound Diffraction Projectors for public address applications. Electro-Voice also developed the first monaural and compatible stereo-monaural cartridge and the Power Point — an integral cartridge-needle transducer — which had widespread impact on the entire phonograph pickup industry. A recent contribution is the E-V Featheride cartridge design which offers complete protection from needle scratch.

It is to the successful combination of people, products, policies, and an affinity for craftsmanship and production techniques that the Electro-Voice name owes its universal popularity — and it is this same combination which is your assurance that your finest choice is — and will always be — Electro-Voice.

*The following are trademarks of Electro-Voice, Inc.*

**Electro-Voice®**



Acoustifoam™  
Acoustalloy®  
Aristocrat®  
Cardiline™\*\*  
CDP®  
Diffraction Horn™  
CV-D™  
Featheride®  
Line Radiator™  
Michigan™  
Musicaster™  
Patrician®  
Power Point®  
Radax™  
Sonocaster™  
Sonophase™  
Sound Spot®  
Stereon®  
Super-Sonax™  
Variable-D®\*  
Wolverine®

\*Product patented under No. 3,115,207

\*\*Product patented under No. 3,095,084

**Electro-Voice®**

ELECTRO-VOICE, INC.  
BUCHANAN, MICHIGAN

