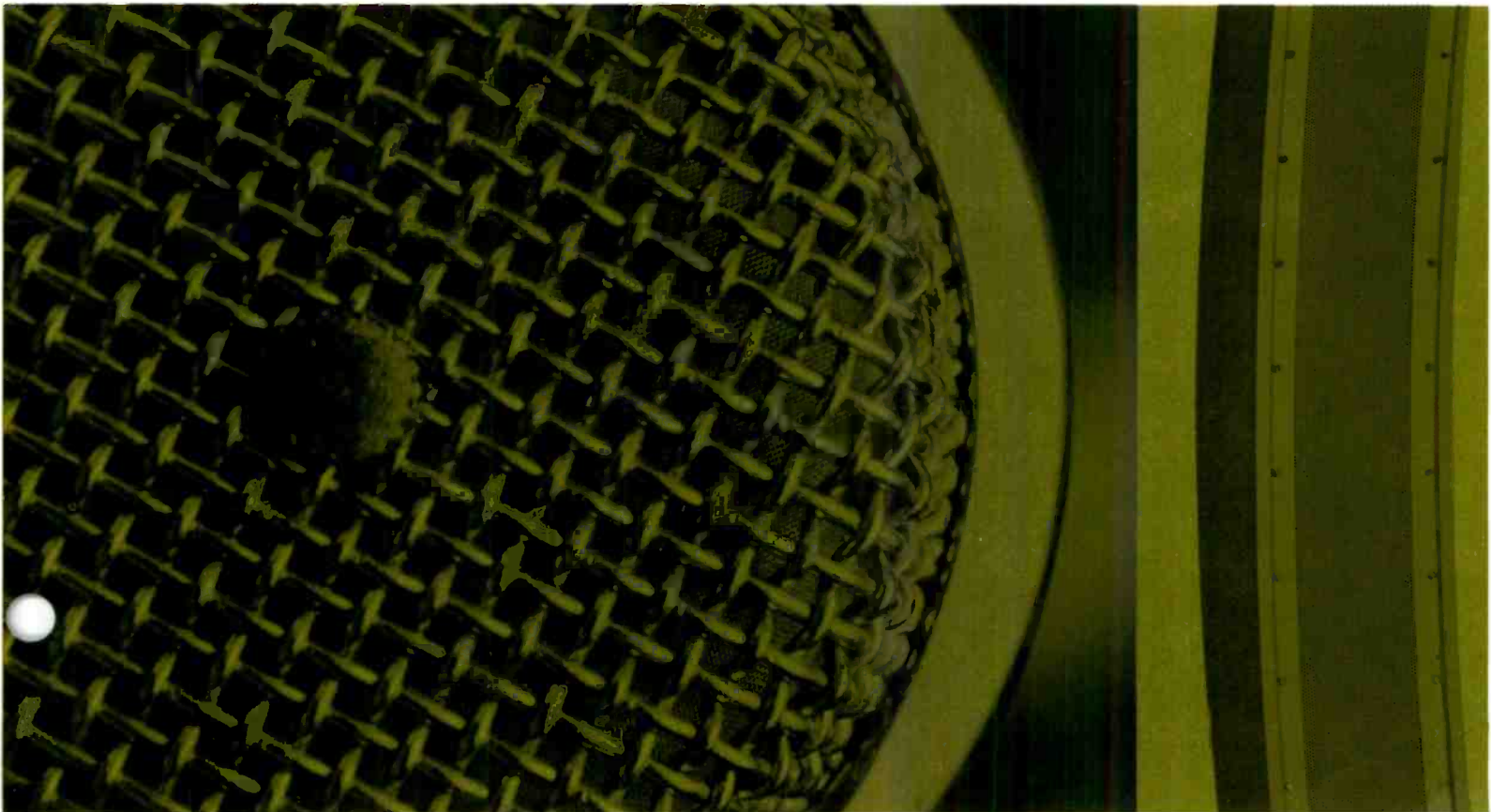


**Broadcast & General Purpose Microphones / Public Address Equipment**



**Catalog 165**



*ElectroVoice*

SETTING NEW STANDARDS IN SOUND



## PRODUCT INDEX

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## OTHER ELECTRO-VOICE PRODUCTS

High Fidelity Products	Catalog No. 265
Electronic Organs	Form No. 100
Phonograph Needles	Catalog No. 365
Phonograph Cartridges	Catalog No. 465

**FOR DETAILED INFORMATION** on any Electro-Voice product or assistance with specific installations, write to: Sales Department

Electro-Voice, Inc.  
Cecil & Carrol Streets  
Buchanan, Michigan 49107  
Phone 616/695-6831





## BC-TV-RECORDING MICROPHONES-DYNAMICS

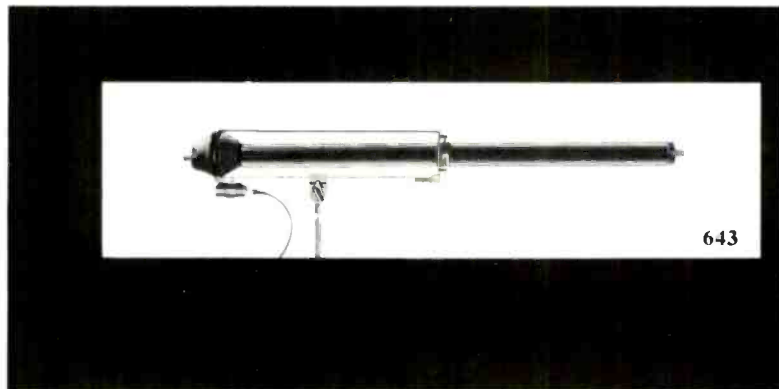
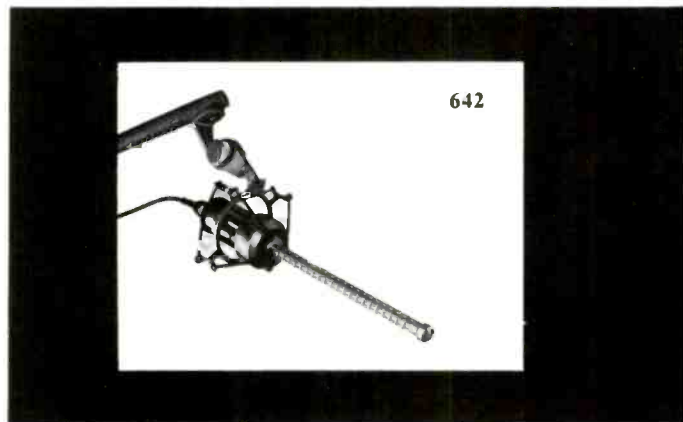
### Cardiline™ Unidirectional Microphones

**MODEL 642**—A highly directional dynamic microphone combining the best characteristics of cardioid and distributed front-opening designs.\* Essentially cardioid unidirectional up to 500 cps; 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 30 to 10,000 cps 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

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

**MODEL 643** — A highly refined application of the distributed front-opening principle®, for more specialized and extended long-range pickup. Provides cardioid pickup pattern to 100 cps 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 cps 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 cps. 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 or 1/2" pipe threads. Net weight, 12 lbs. List Each ..... \$1,560.00



### Cardioid Unidirectional Microphones

**MODEL 666 SUPER CARDIOID**—Variable-D\*† principle 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: 30 to 16,000 cps. 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. Clamp-on stand mount with 5/8"-27 thread and 20' cable. 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 2,000 cps, reducing pickup of low frequency reverberations, room "rumble" and prop noise. Particularly suited to boom use. Output: —57 db. List Each ..... \$255.00

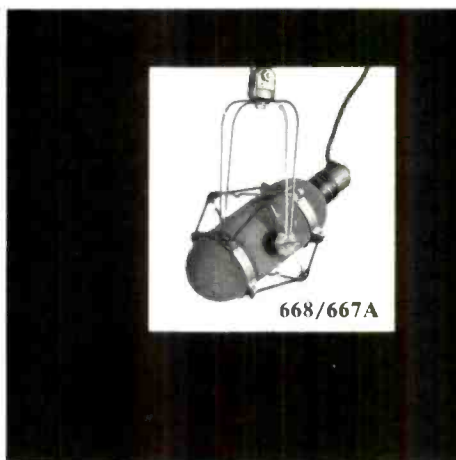
**MODEL 665 CARDIOID**—Similar in design and function to the Model 666, but for less exacting applications. Uniform response 50 to 14,000 cps. Recessed switch provides 50 or 250 ohms. Pressure-cast zinc case. Non-reflecting gray finish. Diameter, 1<sup>7</sup>/<sub>8</sub>"; length, 7<sup>3</sup>/<sub>16</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 four response curves in both high and low frequency ranges. Acoustalloy® diaphragm. Response: 40-12,000 cps. 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>3</sup>/<sub>4</sub>". Net weight, 1 lb. 11 oz.

List Each ..... \$495.00

†U.S. Patent No. 3,115,207

**MODEL 667A** — Identical to Model 668 except incorporates selection of three low-frequency and two high-frequency response curves. List Each ..... \$345.00



## Omnidirectional Microphones

**MODEL 655C SLIM-TRIM TV DYNAMIC**—Frequency response, 40 to 20,000 cps. Output level, —58 db. 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. Non-reflecting gray finish. Cannon UA-3 connector. No. 300 clamp-on stand mount included, has 5/8"-27 thread. Length, 10 1/2" less connector. Diameter, 1". 20' cable. Net weight, 7 oz. List Each .....\$200.00

**MODEL 654A SLIM-TRIM BROADCAST DYNAMIC**—Frequency Response, 50 to 16,000 cps. 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 15/16" diameter, 1 1/8". Non-reflecting gray finish. Net weight, 17 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 chrome. Effective four-stage pop and dust filter virtually eliminates need for external wind screen. Response: 60-15,000 cps (rising). Output, —55 db. Acoustalloy® diaphragm. Low impedance. Cannon XL-3 connector. 3-conductor, 18' cable. Supplied with model 310 clamp. A cable which eliminates connector attached to microphone with no modification is available as optional equipment. Microphone size: 6" l. x 1 3/8" diameter (head). 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. 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 and stand mounting clamp. List Each .....\$105.00

## "Thin-Trim" Dynamic Microphones

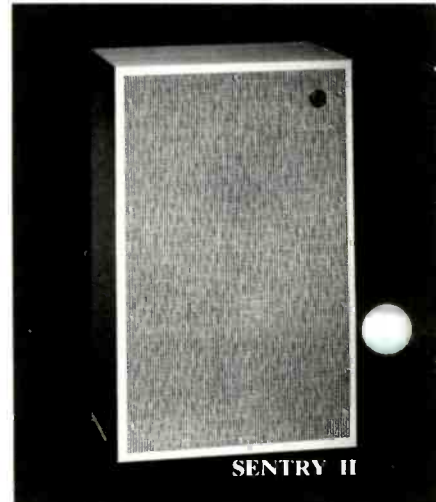
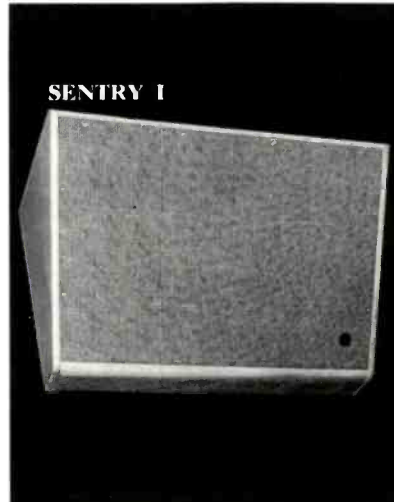
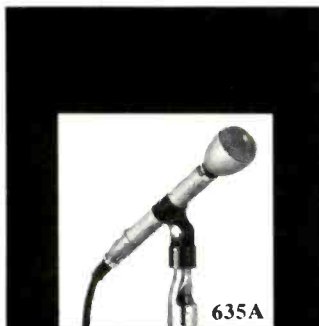
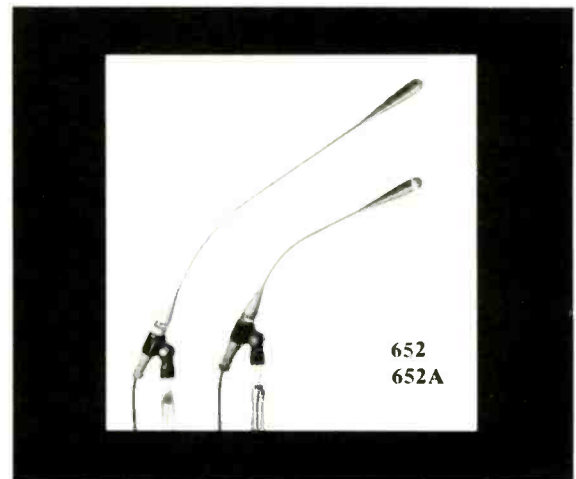
**MODEL 652**—Almost invisible dynamic microphone. Microphone is mounted on the end of the semirigid tube bringing the moving coil element closer to the user for full range, pop free response. Breath and wind filter is an integral part of the microphone. Two clear plastic baffles provided to give either 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 from 80 to 8,000 cps. Acoustalloy® diaphragm. The Model 652 is mounted in a 3/16" steel tube and finished in non-reflecting gray. Output level, —60 db. Matches all low impedances. Furnished with 3-conductor shielded 20' cable and Model 300 stand coupler. Length, 24". Net weight, 10 oz. List Each .....\$120.00

**MODEL 652A**— Same as model 652 except 15" long. Net weight, 8 oz. List Each .....\$120.00

## 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 cps. 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 3/4" h x 37" w x 17" 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. 68 lbs. List Each . . \$290.00





# 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® 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 cps giving practically complete rejection of unwanted sound. Cardioid below 700 cps. 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 cps. 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 3/16", length 16". Cable is 16'. Net weight, 2 lbs. 9 oz. List Each .....\$110.00

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

## Cardioid Unidirectional Dynamic Microphones

**NEW MODEL 676 CARDIOID DYNAMIC** — Radically new design brings truly professional quality to public address, recording, communications, and other general purpose microphone applications. Exclusive Continuously-Variable-D® principle assures uniform, symmetrical cardioid pattern at all frequencies. Frequency response 40 to 15000 cps. 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. Slim design permits full view of person speaking. May be used hand held or with stand mounting clamp supplied. Rugged high pressure die-cast construction. Acoustalloy® diaphragm. Dual Lo-Z and Hi-Z, impedance changed by moving one wire in cable connector. Output, —58 db. Satin chrome finish. 16' 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 discrimination against unwanted sound. Blast filter minimizes wind effect. Acoustalloy® diaphragm shielded from dust and magnetic particles. Response 40-15,000 cps. 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. 16' 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

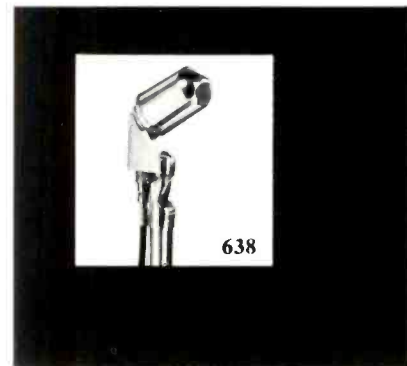
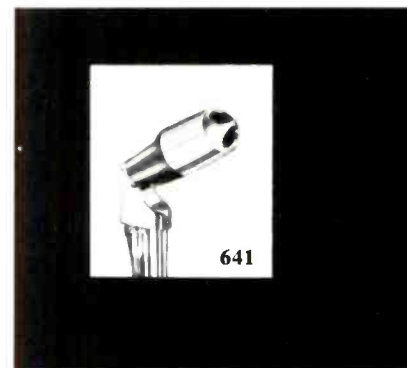
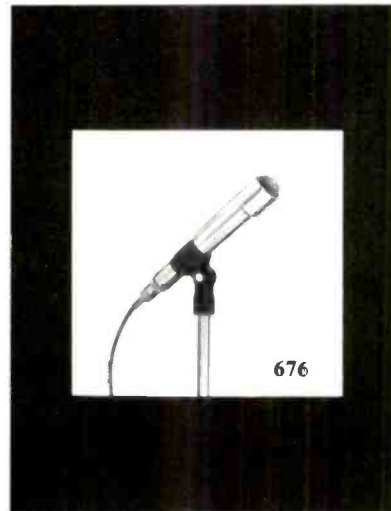
## Omnidirectional Dynamic Microphones

**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 cps. Output —57db. 16 foot cable. Case is chrome plated die-cast zinc and gray high impact plastic. Standard 3/8"-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 .....\$35.00

**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 3/8"-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

**MODEL 638**—Rugged, compact general purpose microphone. Ideal for all applications requiring maximum performance from microphone of minimum size. Response: 70 to 10,000 cps. Output: —57 db. 15-foot cable. Die-cast case with satin chrome finish. Standard 3/8"-27 stand connector. Available in Hi-Z or balanced Lo-Z, must be specified. Size: 3" l. x 1 3/4" dia., not including stud. Net weight, 8 oz. List Each .....\$33.50

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



**MODEL 636 "SLIMAIR" 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.  $\frac{5}{8}$ "-27 thread. Dual Hi-Z or Lo-Z selected by changing one wire in connector. 16' 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 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 balanced Lo-Z, must be specified. Size: 6 $\frac{1}{4}$ " h. x 2" dia. 16' 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, 60 to 12,000 cps. 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 cps; 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. 16' cable. Net weight, 15 oz. List Each .....\$57.00

**MODEL 611 "MERCURY" DYNAMIC**—Traditional styling, fine performance for general sound pickup. Response 50-9000 cps; 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. 16' 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 cps. 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 .....\$42.50

**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 cps. Output: —57 db. Hi-Z or balanced Lo-Z, must be specified. 16' cable. 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**—Uses same Variable-D® principle as E-V's BC-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. Metalustre gray finish. 16' 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 cps. Hi-Z. 3 $\frac{3}{32}$ " l. x 1 $\frac{1}{2}$ " dia. Cable has integral strain relief. Net weight 8 oz. List Each .....\$20.00



**MODEL 911 CRYSTAL**—Same smart design and fine performance as Model 611. Response 50-10,000 cps. Output—50 db. Metal Seal Crystal. MC-1 connector. Hi-Z. 16' cable. Net weight 1½ lbs. List Each .....\$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. 5/8"-27 thread. 6¾" l. x 1½" dia. 16' cable with integral strain relief. Net weight 11 oz. List Each .....\$29.50

**MODEL 920 "SPHEREX" CRYSTAL**—Omnidirectional pickup. Response 60-10,000 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. 5/8"-27 thread. Diam. 2¼". 16' 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 Cyclocac 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 cps. 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 3⅝" 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 7000 cps. 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 cps. 16' cable. Size: 4⅝" 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 cps. 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 60-8000 cps. 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 .....\$18.00

**MODEL 727SR**—With relay control switch. List Each ..\$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. 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 .....\$13.00

**MODEL 715S** — With on-off switch. List Each .....\$15.00

**MODEL 715SR**—With relay control switch. List Each ..\$17.50

**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 2¼" w. x 3" h. x 1¾" d. 5' cable. Net weight, 4 oz. List Each .....\$7.50



## 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 cps. 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. 16' 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 Cylolac 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 cps 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 600ES**—Identical to 600E, except switch does not short microphone line when in off position. Use where a number of microphones are wired in parallel. Lo-Z only. 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 cps. High-impact, rugged Cylolac 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 cps. 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  $3\frac{9}{16}$ " 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 cps. 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-canceling Lo-Z microphone and 150 ohm magnetic receiver. Response: 100-5,000 cps. 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 625TRSKK**—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 cps. 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



311



603TR



648



625SKK



600E



205STCKK





## MICROPHONE ACCESSORIES

### Clamps

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

**MODEL 301 SNAP-IN CLAMP**—Similar to Model 300, but cut back to allow snap-in, snap-out mounting of 1" dia. microphones. 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 301 for 3/4" dia. microphones. List Each ..\$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 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 Each ..\$40.00

### 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 324 SHOCK MOUNT**—Suspension mount for Model 642 microphone. Will accept Model 326 windscreen. List Each ..\$61.50

**MODEL 326 WINDSCREEN KIT**—Acoustifoam\* windscreen for Model 642 microphone. Compatible with Model 324 Shock mount. List Each ..\$43.50

**MODEL 335A WINDSCREEN**—Acoustifoam\* windscreen fits 630, 641, 634, 635 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 655C, 654A, 676, 636, 623, and 926. 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 microphone. 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 cps ± 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 cps. Terminals provided for cable connections. Size: 5 3/8" l. x 2 1/4" dia. Net weight, 1 lb. 10 oz. List Each ..\$70.00

### Microphone Stands

**MODEL 415 RECLINING DESK STAND**—Mounts 615, 715, 715S at 15° tilt. Metalustre gray. Size 2 5/8" x 2 3/4" x 1". Net Weight, 4 oz. List Each ..\$1.75

**MODEL 418 DESK STAND**—Use with microphones using small-type stud such as Models 611, 623, 630, 641, 635, 636, 911, and 951. Die cast base. Gray finish. List Each ..\$10.00

**MODEL 418-S**—With switch. List Each ..\$15.00

**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 ..\$10.00

**MODEL 419S**—With switch. List Each ..\$15.00

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

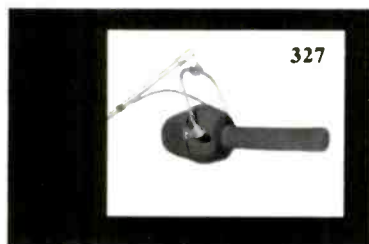
**MODEL 420 DESK STAND**—Heavy cast iron stand finished in TV gray. Specifically designed for use with E-V 666, 655C, 654A, 652, 652A, 676 or other microphones with 1" diameter. Clamp attachment for mounting 1" cylindrical mikes, without tools. Base holds mike in position when subjected to ordinary strain. 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 base, 5 1/8" diameter. Rests firmly on rubber base buttons. Rich satin chrome. 5/8"-27 thread. 5" matching stem riser. Net Weight, 1 lb. List Each ..\$5.00

**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 ..\$17.50

\*Electro-Voice Trademark



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524A



355



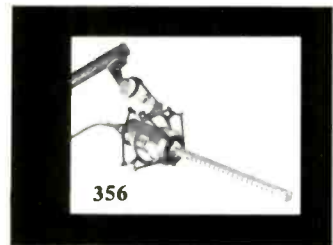
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335A



513



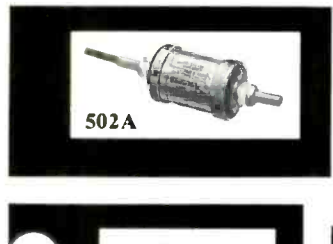
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415



423A



502A



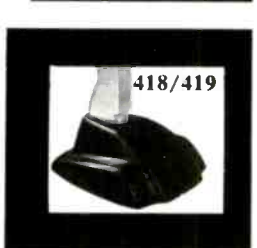
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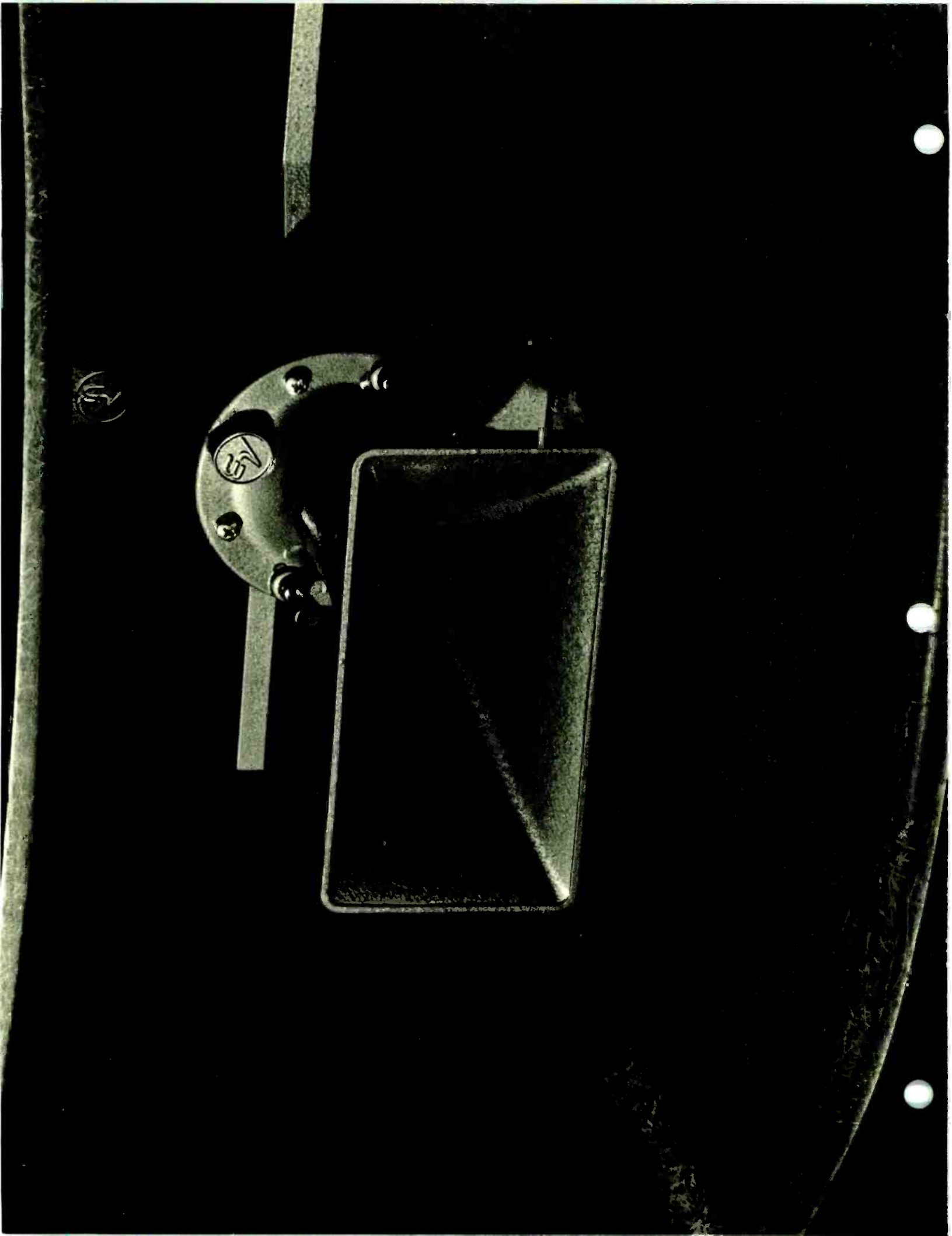


420



418/419







## 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 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. complete. List Price ..... **\$82.50**

### 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 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), 10¾ lbs. List Price ..... **\$50.00**

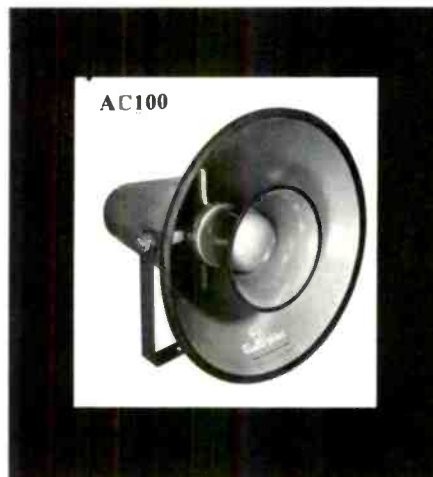
**MODEL AC100**—Concentrating version of CDP®. Has all of the quality advantages of FC100, except utilizes round horns for most concentrated coverage with greatest efficiency. Retains compound design for lowest distortion—widest range. Use any E-V convertible driver. Specifications: Low-frequency horn—cut-off, 100 cps; taper, 100 cps; air column length, 56"; sound distribution, 80°. High-frequency sound distribution, 30°; crossover, 1,000 cps. Diameter, 21"; depth (less driver), 21"; Net Wt. (less driver), 11½ lbs. List Price ..... **\$55.00**

**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 1¾"-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 1¾"-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 Price ..... **\$39.00**

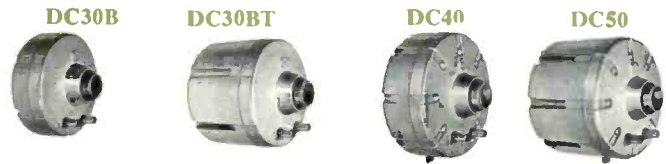
**MODEL AR150**—Reentrant Horn. Round concentrating horn for maximum penetration at lowest cost. E-V ring reflector plus precision new exponential design contributes to widest range yet achieved from this horn type. Smoother curve results in high intelligibility, and remarkably natural voice and music 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 1¾"-18 thread. Specifications: Low-frequency horn—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. List Price ..... **\$39.00**



## 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 efficiency.

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-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.



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

DRIVER	8 Ohm	16 Ohm
828 or DC30 (Used on Model 848)	.....	82016
DS30 (Used on Model 844)	8410	.....
DC30B	.....	83137
DC40	.....	82088
DC50	.....	82089
List Price	\$12.00	\$12.00

Replacement kits not available for DC30BT, DC40T or DC50T.

Frequency Response††	DC30B	DC30BT	DC40	DC40T	DC50	DC50T		
	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	FC100 Compound Horn		117 db	117 db	120 db	120 db	124 db	124 db
Level†	AR150 Reentrant Horn		126 db	126 db	129 db	129 db	133 db	133 db
Voice Coil Impedance	16	16	16	16	16	16		
Transformer Impedances, Ohms	167, 333, 1000, 2000		125, 250, 500, 1000		100, 143, 200, 500			
Transformer Power Taps, Watts	30, 15, 5, 2.5		40, 20, 10, 5		50, 35, 25, 10			
Dimensions (overall)	5½" dia, 3" l.	5½" dia, 5¼" l.	6¼" dia, 4¼" l.	6¼" dia, 6" l.	6¼" dia, 4¼" l.	6¼" dia, 6" l.		
List Price	\$33.00	\$43.00	\$42.00	\$54.50	\$54.50	\$65.50		

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

††Measured on-axis with FC100 horn.

## 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 cps. 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 .....\$27.00

**PA 7-45**—Same as above but with 45-ohm voice coil.

List Price .....\$28.50

**MODEL PA30**—Entirely new thirty watt paging projector. Rectangular Implex horn design for maximum versatility, wide dispersion. Rugged, high-impact horn and conservatively rated driver assure maximum reliability. Smooth response for both voice and music. Universal swivel bracket permits placement in any position. Accepts Model TR3 line matching transformers for convenient, attractive installation in large systems. Frequency response: 250 to 14,000 cps. Power handling capacity: 30 watts. Nominal impedance: 8 ohms. 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, 5½ lbs. List Price .....\$34.50

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

List Price .....\$36.00

**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 cps; power handling capacity, 30 watts; nominal impedance, 8 ohms; dispersion, 90°; EIA sensitivity rating, 54 db; sound pressure level, 123 db; dimensions, 9¾" diameter x 7¾" deep; Net Weight, 5 lbs. 10 oz.; Shipping Weight, 8½ lbs.

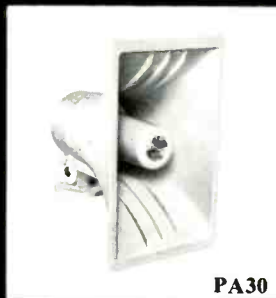
List Price .....\$39.00

**MODEL 844A-45** Same as standard 844, but with 45-ohm voice coil for simple installation in intercom systems. List Price \$40.50

**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 cps; 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 .....\$51.00



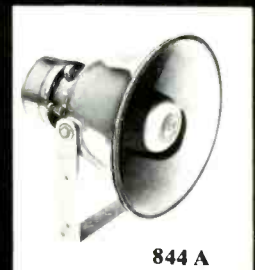
PA7



PA30



847



844 A



## 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<sup>®</sup> 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: 200–15,000 cps. 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 .....\$125.00

**MODEL LR4S**—Electrical filter removes end speakers from circuit as frequencies increase, eliminating high-frequency lobes at ends. Specifications like LR4A, except that dispersion is 160°, horizontal: 30°, vertical. Weatherproof enclosure with mesa tan finish. Size 52" h. x 7½" w. x 4¾" d. Net weight, 28 lbs.  
List Price .....\$140.00

**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 100 to 20,000 cps. Full half-section crossover at 3500 cps. Horizontal coverage 160°, vertical coverage 60°. Power handling capacity 50 watts, impedance 8 ohms. Non-resonant, curved<sup>®</sup> 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 .....\$275.00

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

## 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 cps. Size, 5¾" diameter x 2¾" deep. Net weight (with cable), 8¼ lbs. Twelve-foot Underwriters approved cable. Resistant to chlorine, bromine, salt water, oil, grease, gasoline.  
List Each .....\$97.50

## 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 cps; 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 .....\$100.00

**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 cps. Complete with crossover. Net weight, 33 lbs.  
List Price .....\$135.00

**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.



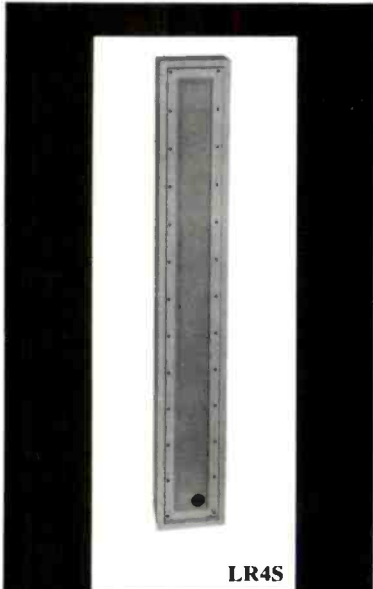
MUSICASTER



DU30



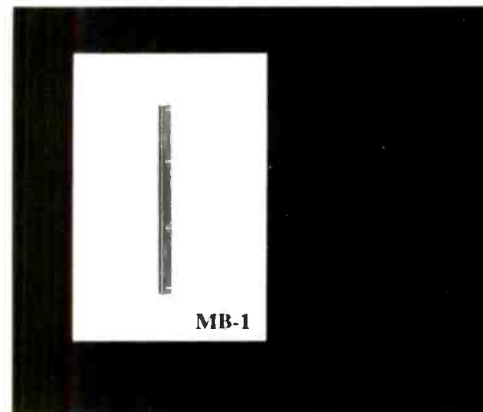
LR4A



LR4S



LR7



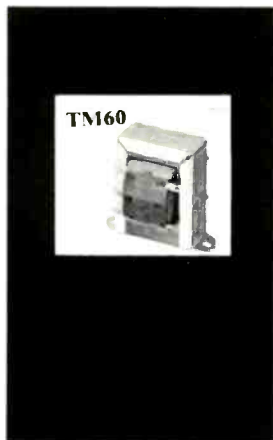
MB-1



## PA TRANSFORMERS AND ACCESSORIES



TR5



TM160



TR7



AP-1



TH

**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 $\frac{1}{16}$ " x 1 $\frac{3}{8}$ ". Mounting hole centers, 1 $\frac{3}{4}$ ". List Price ..... \$5.00

**MODEL TR15**—Same as TR5 except 15-watt capacity with 15, 10, 5, 2.5-watt line power taps. Overall dimensions 1 $\frac{3}{4}$ " h., 2 $\frac{7}{8}$ " w., 2 $\frac{5}{16}$ " 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 $\frac{3}{4}$ " h., 2 $\frac{7}{8}$ " w., 2 $\frac{5}{16}$ " d. Mounting hole centers, 2 $\frac{3}{8}$ ". 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 $\frac{1}{4}$ " h., 2 $\frac{5}{16}$ " w., 2 $\frac{1}{4}$ " d. Mounting hole centers, 2 $\frac{3}{8}$ ". 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 $\frac{3}{8}$ " x 1 $\frac{5}{16}$ " x 1 $\frac{5}{8}$ ". Mounting hole centers, 2". List Price ..... \$6.00

**MODEL TM15**—Same as TM5 except 15-watt capacity with 15, 7.5, 3.75, 1.875 watt line power taps. Overall dimensions, 2 $\frac{7}{8}$ " x 2 $\frac{3}{8}$ " x 1 $\frac{7}{8}$ ". Mounting hole centers, 2 $\frac{3}{8}$ ". List Price ..... \$7.00

**MODEL TM30**—Same as TM5 except 30-watt capacity with 30, 15, 7.5, 3.75 watt line power taps. Overall dimensions 3 $\frac{1}{8}$ " x 2 $\frac{3}{4}$ " x 2". Mounting hole centers, 2 $\frac{13}{16}$ ". List Price ..... \$9.00

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

**MODEL TR7-2**—7 $\frac{1}{2}$ -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 $\frac{1}{2}$ , 4, 2, 1, and  $\frac{1}{2}$  watt line power taps. 8 ohms secondary impedance. List Price ..... \$6.00

**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 $\frac{1}{2}$ , 4, 2, 1 and  $\frac{1}{2}$  watt line power taps. 8 ohms secondary impedance. List Price ..... \$6.00

**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

### Transformers

**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 $\frac{1}{2}$ " d. Net weight, 1 $\frac{3}{4}$  lbs. List Price ..... \$8.50

### Accessory

**MODEL AP-1**—Pipe stand adapter for mounting any E-V speaker "U" bracket to standard  $\frac{1}{2}$ " pipe. List Price ..... \$5.00

**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 will be 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 the 1963 awards presentation.

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

**Electro-Voice®**



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

\*U.S. Patent No. 3,115,207  
\*\*U.S. Patent No. 3,095,084

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 principle, 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.

