

PRODUCT PREVIEW SECTION

Along about this time of year, the serious audiofan begins to think about improvements—converting to FM-stereo, adding a tape recorder, or whatever. So that he may have an advance glimpse of the new merchandise which will be available with the start of the traditional buying season, we present the Annual Product Preview Section.

WITH SOME TWO HUNDRED separate items, along with prices of many more items which are not described, the third Annual Product Preview is considerably larger than last year's, and is—we believe—more complete. In most instances, a single product is described in each category from each manufacturer. In some cases, this may be the only product of that manufacturer. When the manufacturer offers a wide variety of items—as do, for example, those who make loudspeakers—it is obviously impossible to list everything. However, for more complete data, it is suggested that the reader write the manufacturer directly—or to us—for specific information. Because of the large number of manufacturers represented in this section, they are not coded in the usual fashion on the Readers' Service Card. If the manufacturers of interest happens to advertise in this issue, you may use the card and encircle the corresponding number. If there is room, you may write the name of any non-advertisers on the card and mail it. We will forward

them your requests for further information.

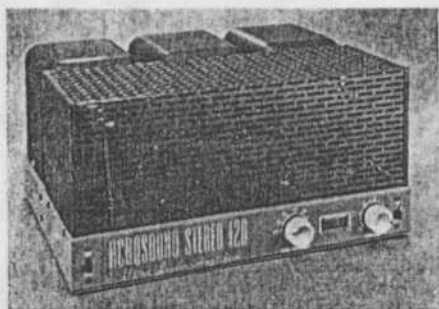
Any compilation of this type is subject to omissions and errors. Any manufacturer not herein represented may be considered to have: (1), not been asked for information (our mistake); (2), the information was mislaid (ours again); or (3), he didn't send it (his). If we find enough such omissions, we shall try to fill in later. Since this is a catalog-type presentation, it must be pointed out that the statements made about the various products are the specifications as furnished by the manufacturer and are not the results of our own measurements or tests. Also prices may vary slightly between East and West (and vice versa).

We are sincerely grateful for the co-operation given us by all the manufacturers represented and by their advertising agencies. Without their concerted help we could not have prepared this material. We trust you will find it interesting and informative throughout the year.

AMPLIFIERS AND PREAMPLIFIERS

ACRO

• **120-Watt Amplifier Kit.** Adding to its already well-known line of amplifier kits Acro introduces the Stereo 120, which provides an output of 120 watts (60 watts per channel). Incorporating printed circuits, the Stereo 120 is exceptionally easy to construct and provides performance equal to the laboratory model. Claimed to be the first commercially available amplifier which combines ultra-linear operation with hybrid



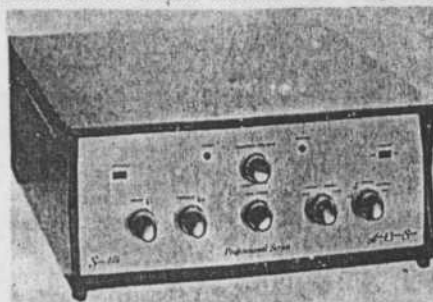
feedback for unusually low distortion and high stability. Intermodulation distortion is less than 1 per cent at 60 watts and less than 0.5 per cent at 50 watts output. Variable damping is provided on each channel for optimum speaker performance. Illuminated meter is provided for bias adjustment and circuit check. Price for the kit, including protective cover, is \$159.50. Acro Products Company, 369 Shurs Lane, Philadelphia 28, Pa.

Ultra-Linear II 60-w pwr ampl kit .. \$79.50
Stereo preamp kit 69.50

A.E.S.

• **50-Watt Stereo Amplifier.** Featuring jeweled lights to clearly indicate the stereo-phonetic or monophonic setting of the mode

switch, the A.E.S. Model 225 amplifier has a solid heavy-brass front panel which may be mounted in its own cabinet, or separately mounted for custom installations. Frequency



response is stated as 20-20,000 cps plus or minus 0.5 db, with harmonic distortion less than 1 per cent at maximum output per channel. Intermodulation distortion is less than 0.5 per cent at normal listening levels. Channel separation is over 50 db. A.E.S., Inc., 3338 Payne Ave., Cleveland 14, Ohio. User net price \$159.50 (f.o.b. factory).

ALTEC

• **Stereo Amplifier-Preamplifier.** The Altec-Lansing Model 353-A, is a complete amplifying



system, embodying two 25-watt stereo channels which may be combined for 50-watt

monophonic operation when desired. Among its features is a matrixing network for "three-channel" stereo. Circuitry includes feedback-type equalization plus feedback around all tubes for minimum distortion. All low-level tubes have d.c. on heaters. Fourteen inputs include two each for magnetic cartridge, ceramic cartridge, tape head, tape recorder, tuner, microphone, and multiplex. Frequency response is 20 to 20,000 cps ± 1.0 db at 25-watts output; 10 to 30,000 cps ± 0.5 db at 10 watts. Harmonic distortion is less than 1.0 per cent. Tone controls are gauged and provide 14 db of boost or cut at 50 and 10,000 cps. Bumble filter attenuates at the rate of 12 db/octave below 30 cps. Silicon rectifiers are used in power supply. Engineered to the professional standards of the Altec-Lansing equipment, the 353-A meets every criterion of the most discerning music lover. Altec Lansing Corporation, 1515 S. Manchester Ave., Anaheim, Calif. User net price, \$225.00.
345 60-w stereo ampl \$245.00
445A stereo preamp 189.00

BELL

• **Stereo Amplifier.** Developed for stereo from input to output, the Bell "Carillon" Model



6000 is conservatively rated at 30 watts output for each channel, with 80 watts of monophonic power available when needed. Frequency response is stated by the manufacturer to be 15 to 30,000 cps ± 0.5 db. Hum level is 71 db below rated output. All operating controls of the 6000 are conveniently located

across the front panel. Bass controls permit 15 db rise and 18 db drop at 50 cps; treble controls afford 9 db rise and 18 db drop at 10,000 cps. Also located on the front panel are four lever-type switches which provide high- and low-frequency filter cutoff to eliminate hiss and rumble, stereo function control, and speaker selection for stereo in more than one room. A separate balance control adjusts the volume level between two stereo speakers. Continuously-variable loudness control compensates for bass and treble at low listening levels. Dial frame is extruded aluminum, while the panel has all the lettering etched for clarity. Vinyl-tan cover is set off by the perforated thermal duct which provides ventilation. Bell Sound Division, Thompson Ramo Wooldridge Inc., 555 Marion Road, Columbus 7, Ohio. User net price, \$219.95.

2418 30-w ster ampl \$109.95
2420 34-w ster ampl 129.95
2440 44-w ster ampl 179.95

BOGEN

• **44-Watt Stereo Amplifier.** Designed to control all stereo sources—FM, AM, FM-stereo, tape recorder, phono or auxiliary, the Bogen AP-200 is a 44-watt stereo amplifier (22 watts per channel) which is one of the new "fun couple" series inspired by the novel "The Fun Couple" by John Haase. This series of components is matched in appearance and in performance to provide maxi-



imum efficiency from each unit in the series. Frequency response of the AP-200 is within 1 db from 20 cps to 20,000 cps. Distortion is 0.0 per cent at rated output. Hum and noise level is 60 db down at magnetic input, and 70 db down at the auxiliary and tuner inputs. Output impedance is 4, 8, 16, and 32 ohms. The front panel contains a coaxial volume control, treble and bass controls, and mode and input selectors; and five switches, rumble filter, scratch filter, loudness contour, tape monitor, and power. Bogen-Presto, a Div. of the Siegler Corporation, P. O. Box 500, Paramus, N.J. User net price \$154.95, walnut cabinet \$24.75, metal enclosure \$11.95.

AP-60 66-w ster ampl \$249.95

DYNAKIT

• **Stereo Preamplifier.** Available in both wired and kit form, the new Dynakit Model PAS-2 is a deluxe stereo control unit which features unusual versatility and flexibility, along with exceptionally low distortion and noise. Although as many as 7 stereo or 14 monophonic inputs can be utilized, the PAS-2 is simple in operation and uncomplicated in appearance. Construction of the instrument from the kit is greatly simplified by the use

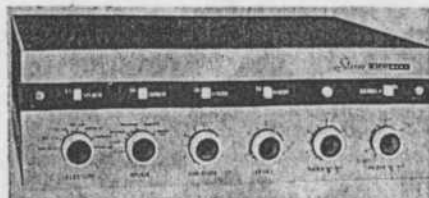


of two factory assembled, printed circuit boards, which include about three-quarters of the components. Average construction time is approximately eight hours. The built-in power supply enables operation with any power amplifier. Frequency response of the PAS-2 is 10 cps to 30,000 cps, plus or minus 0.5 db. Intermodulation distortion is below 0.05 per cent at sufficient output to drive an amplifier. Equalization characteristics are

closely controlled through the use of components of one-per-cent tolerance in the critical network. Dynaco, Inc., 3916 Powelton Ave., Philadelphia 4, Pa. User net price for the kit \$59.95, factory wired \$99.95.

EICO

• **Integrated Stereo Amplifiers.** Two new integrated stereo amplifiers, the 70-watt ST70 and the 40-watt ST40 (shown), have been introduced by Eico. Both amplifiers are able to handle any stereo program source: FM and/or AM radio, FM-stereo, magnetic cartridge, ceramic or crystal cartridge, tape head, or preamplified tape. Controls include selector switch, tape monitor switch, separate level and balance controls, balance check switch, scratch and rumble filters, loudness-level switch, and individual feedback-type bass and

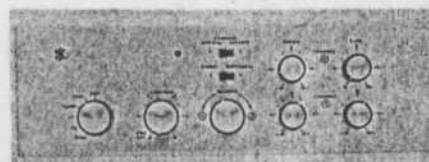


treble tone controls for each channel. The ST70 has, in addition, a tape-speed equalizer and a speaker phase-reversal switch. Frequency response of the ST70 is stated as plus or minus 1/2 db from 10 to 50,000 cps and harmonic distortion is less than 1 per cent from 25 to 20,000 cps. The dual power amplifiers of the ST40 are Williamson-type circuits employing voltage amplifiers and split-load phase inverters driving the output stage. Frequency response of the ST40 is stated to be plus or minus 1/2 db from 12 to 25,000 cps; harmonic distortion is less than 1 per cent from 40 to 20,000 cps. The ST70 sells for \$94.95 in kit form, \$149.95 wired. The ST40 sells for \$79.95 in kit form, \$124.95 wired. All prices include metal cover. Eico Electronic Instrument Co., Inc., 33-00 Northern Blvd., L.I.C. 1, N. Y.

HF85 ster preamp kit \$39.95
HF86 28-w ster ampl kit 43.95
HF89 100-w ster ampl kit 99.50

ERIC

• **40-Watt Stereo Amp and Control Center.** Intended to serve as a complete audio control center and 20-watt stereo amplifier, the Eric Model 3100-T uses two pairs of EL84/6BQ5's in the output stages. It features a transistorized preamplifier for magnetic cartridges, thus reducing hum and microphonics. Each channel has its own separate, calibrated (in db), bass and treble controls. Harmonic distortion at maximum power output is 1 per cent



per channel. Intermodulation distortion is 0.4 per cent at 17-watts output. Frequency response is 20-20,000 cps plus or minus 1 db at "normal" listening level. Hum level is 70 db below 2 watts. Panel dimensions are 13 1/4" x 4 5/16", depth is 10" excluding knobs. The panel comes in an attractive satin-gold finish. Eric Electronics Corp., 1823 Colorado Ave., Santa Monica, Calif. User net price \$106.20 (prices in East slightly higher).
3460P 10-w ster ampl \$ 80.00
3560T ster ampl 149.95

FISHER

• **110-Watt Stereo Master Control Amplifier.** The Fisher X-1000 is a 110-watt stereophonic control amplifier designed for use in home installations incorporating the very finest equipment. Designed to the very highest technical specifications without restriction as to cost, the X-1000 incorporates a number of valuable new controls and control functions in addition to the full range of con-

trols to be found on previous audio control units. Special features include a newly developed tape monitoring system with an internal switching system enabling the tape recorder owner to employ the entire range of controls during playback, and still be able to monitor his tapes while recording. The X-1000 has complete facilities for center channel operation; center-channel speaker output; and a front-panel control which enables the user to turn off the center speaker without affecting the other two channels. Other special features are: stereo dimension control; built-in reverberation control; front panel level controls for low level input. The amplifier section employs two pairs of matched EL-34's, and two 16 1/2-lb. output transformers of grain-oriented steel. The X-1000 is stable and is free from ringing under all loading conditions. Additional features include: earphone connections; remote panel input for remote control; total of 3 inputs; 3 outputs for loudspeakers; 8 outputs for other associated components; jeweled lights across the front panel clearly visible indication of mode of operation; extremely steep low- and high-pass filters; front-panel phase-reverse and loudness

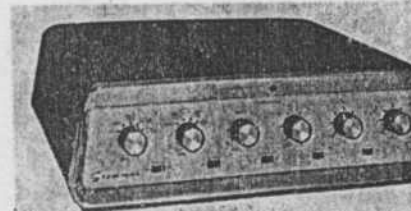


contour switches. The X-1000 has 3 d.c. power supplies. Harmonic distortion at 110-watt music power is 0.5 per cent; intermodulation distortion at 100-watts r.m.s. is 0.8 per cent over-all frequency response is 20 to 20,000 cps plus or minus 0.5 db. The X-1000 has handsome brass front panel. Fisher Radio Corp., 21-21 44th Drive, L. I. C. 1, N. Y. User net price is \$329.50.

X-100 36-W ster ampl-preamp \$159
X-101 B 52-W ster ampl-preamp 189
X-202 B 75-W ster ampl-preamp 249
400-CX ster preamp 199
SA-300 B 90-W ster ampl 199

GROMMES

• **Stereophonic Amplifier.** The new Gromme 36PG is a stereophonic/monophonic preamplifier and 30-watt power amplifier all in one compact unit. Featuring ganged controls, two separate loudness contours, summing speaker output, and silicon rectifiers, frequency response is ± 0.5 db, 20 to 20,000 at 1 watt. Harmonic distortion is 0.6% at 15 watts (1000 cps) and intermodulation distortion is 2% at 15 watts. Hum and noise



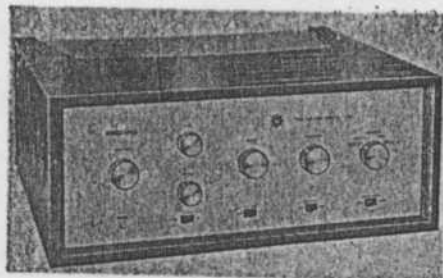
are 75 db down at the tuner input and 50 db down at the phono input (below 15 watts). Sufficient controls are provided to achieve wide range of adjustments. Sensitivity at Aux and tuner inputs is 0.4 volt; magnetic phono 0.004 volt; tape head .0045; crystal phono 0.25 volt for rated output. Prelec Electronics, Inc., 9101 King St., Frank Park, Illinois. User net price, \$189.95, \$10.00.

LJ8 10-w mono ampl \$49
24LJ 20-w ster ampl 89

HARMAN-KARDON

• **30-Watt Stereo Amplifier.** The latest addition to the Award Series is the Harm

Kardon Model A-300, a 30-watt stereo amplifier. Although moderately priced, its styling and features clearly show its family resemblance to the more elaborate members of the Award Series. Among the features which make this unit so versatile are: a zero-to-infinity balance control which permits either speaker to be completely cut off so that the system may be balanced for virtually any position in the room; continuously variable blend control; ganged treble and bass control which provide 12-db boost and cut at 50 cps,



and 10-db boost and cut at 10,000 cps, illuminated pushbutton on/off switch. Other features include: stereo reverse/normal switch; rumble filters; dynamic contour controls; phono-RIAA and tape-NARTB equalization; two tape outputs for recording. Special grain-oriented high-permeability cores in the output transformers provide wide-band response. At normal listening levels the frequency response is plus or minus 1 db from 15 to 70,000 cps. The A-300 delivers 15-watts (music power) per channel at less than 1 per cent distortion. The price of the A-300 is \$99.95. Harman-Kardon, Plainview, N. Y.

A-500 50-w ster ampl	\$159.95
CIT I ster preamp kit	159.95
CIT II 120-w ster pwr ampl kit	159.95
CIT IV ster preamp kit	119.95
CIT V 80-w ster pwr ampl kit	119.95

KNIGHT

• **All Transistor 36-Watt Stereo Amplifier.** The Knight KN-400B is a 36-watt stereo amplifier which takes advantage of the rapid growth of transistor technology. It can be run continuously for extremely long periods of time without getting hot and it consumes an extremely small amount of power—only 25 ma when operating at normal levels, and

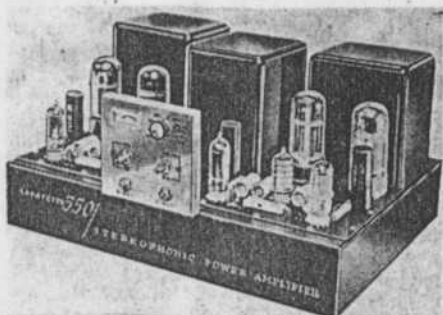


no more than 2 amps at full output. It will not be damaged if accidentally operated with no speaker connected to it. IHFM music power rating is 36 watts; frequency response is 20-20,000 cps, plus or minus 0.5 db; IM distortion is 0.9 per cent at rated output; harmonic distortion is 0.5 per cent at rated output. It employs 18 transistors and 7 diodes; no output transformers are used. Allied Radio Corporation, 100 N. Western Ave., Chicago 80, Ill. User net price \$99.50. Allied also has an extensive line of tube amplifiers and preamplifiers at all price levels.

LAFAYETTE

• **100-Watt Basic Stereo Amplifier Kit.** In keeping with the current trend towards quality, the Lafayette KT-550 Stereo Amplifier Kit achieves sound reproducing capabilities far in excess of the audible range—plus 0, minus 1 db from 2 to 100,000 cps. Utilizing multiple feedback loops, the KT-550 achieves extremely low distortion without evidence of ringing or instability. Total harmonic distortion is less than 0.5 per cent at 50 watts from 20 to 20,000 cps. Hum and noise are better than 90 db below 50 watts. Although rated at 70 watts the 7027-A output tubes are required to deliver only 50 watts thus ensuring long tube life. Other features include telephone grade electrolytics; very high quality capacitors; deposited metal-

film, glass-core resistors; two printed-circuit boards; and a step-by-step instruction manual with large pictorial illustrations. The KT-550 sells for \$134.50 and is available in

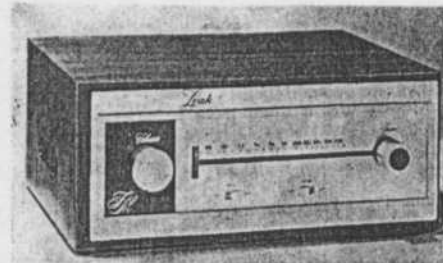


a factory-wired version, LA-550, at \$184.50. Lafayette Radio Corp., 165-08 Liberty Ave., Jamaica 33, N. Y.

KT-600A ster preamp kit	\$34.50
LA-250A 50-w ster ampl	99.50
LA-240 40-w ster ampl	79.95

LEAK

• **Newly-Styled "Point One" Stereo Preamp.** Impressive new styling enhances the appearance of the latest version of the well-known Leak "Point One" stereo preamplifier. Decorator-designed, the new front panel offers changeable color panels for both faceplate and knobs, enabling the user to match the decor of any room. The new escutcheon plate is interchangeable with the present one, permitting present owners the option of inexpensive conversion to the new styling. The "Point One" includes provisions for playing stereo, stereo reverse, left channel only, right channel only, and monophonically. There are



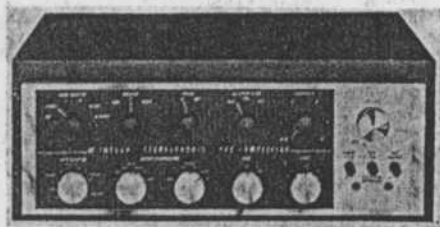
five dual inputs for virtually any type of stereo or monophonic source, including microphone. Bass and treble controls permit boost and cut of 16 db at 30 and 15,000 cps, respectively. All controls are of the dual-ganged type, operative on both channels simultaneously. Distortion is less than 0.1 per cent for 1.25-volt output. A balance control allows for a great difference in sensitivity between speakers. This new unit has been expressly matched to all Leak power amplifiers. British Industries Corporation, 80 Shore Road, Port Washington, N. Y. User net price, less cabinet, \$119.50.

Ster 50 ster ampl	\$199.00
Ster 20 ster ampl	149.00

McINTOSH

• **Stereo Preamplifier-Control.** Designed as the Model C-20 Stereo Compensator, this McIntosh development is designed for the music lover who insists on the nearest possible approach to perfection. Full stereo flexibility is provided plus built-in protection of the user's investment in monophonic records. Frequency response is 20 to 20,000 cps $\pm$ 0.5 db. Distortion is under 0.2 per cent at rated output over the entire frequency range. High-level input hum and noise level is 85 db below rated output of 2.5 volts. Six-position mode selector includes: stereo; stereo reverse; left channel on left speaker only; right channel on right speaker only; left channel on both speakers, and right channel on both speakers. For monophonic operation, the C-20 internally parallels and decouples a stereo phono cartridge to provide best possible reproduction from monophonic records. A 2-position high-frequency cut-off control (9 and 5 kc) is

provided for suppressing hiss. Rumble filter rejects low-frequency noise. Treble control provides 13 db boost and 18 db attenuation at 20,000 cps; bass control provides 16 db boost and 20 db attenuation at 20 cps. Fletcher-Munson-type "aural compensation"



control is continuously variable. The C-20 matches its impressive performance with handsome appearance. McIntosh Laboratory, Inc., 4 Chambers St., Binghamton, N. Y. User net price, \$234.00.

MC-240 80-w ster ampl	\$288.50
MC-60 60-w pwr ampl	219.00
MC-30 30-w pwr ampl	153.00

MARANTZ

• **70-Watt Amplifier.** A luxurious instrument by any standards, the Marantz Model 9 achieves an unusually high order of construction, quality, and reliability. Instrument-type precision construction is used throughout. The circuit is assembled on a rigid, heavy-duty, terminal board with machined, silver-plated, turret terminals. All wiring is neatly cabled. One of the unusual features of the Model 9 is the built-in test section. Incorporated in the instrument are complete facilities for self-testing and balancing of output tubes. The test circuit includes five screwdriver adjustments, a seven-position test switch, and an accurately calibrated d'Arsonval meter. Simple adjustments eliminate the need for matched output tubes.



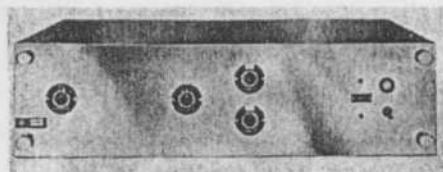
Frequency response at full rated power is within 0.1 db from 20 cps to 20,000 cps; within 1 db, 10 cps to 40,000 cps. Harmonic distortion at full rated power is less than 0.1 per cent at mid-range frequencies; less than 0.3 per cent at 20 cps; less than 0.5 per cent at 20,000 cps. Intermodulation distortion is less than 0.5 per cent. Hum and noise are better than 90 db below 70 watts. Damping factor is seventeen and may be changed internally. It is supplied with a handsome heavy-metal front panel, with precision machined knobs. Marantz Company, 2514 Broadway, Long Island City 6, N. Y. User net price \$324.00 (slightly higher in West).

7 ster audio console	\$245.00
8 60-W ster pwr ampl	237.00

NEUMANN

• **Professional Stereo Playback Preamplifier.** Normally supplied as standard equipment with the Teldec stereo record cutting system, the Neumann WV-2 stereo playback preamplifier is now available for high fidelity applications as a stereo preamplifier. Premium non-microphonic 10,000-hour tubes are included within the advanced circuitry of the WV-2. A fully shielded dual input transformer provides a perfect impedance match for the Neumann DST stereo cartridge. Two low-impedance inputs are relay selectable. A low-impedance output insures compatibility with any existing power amplifier. Amplification

is 50 to 70 db switchable, self-noise level is less than 1.5 mv, total distortion is less than 0.4 per cent rms. Channel separation is



greater than 40 db, and output level is 1.55 volts. Distributed in the United States by the Nortek Audio Corporation, 72 West 45th Street, New York 36, N. Y. User net price \$645.00.

Width control for WV-2 \$125.00
PFB-150WD, 150-w pwr ampl 815.00

NORTONICS

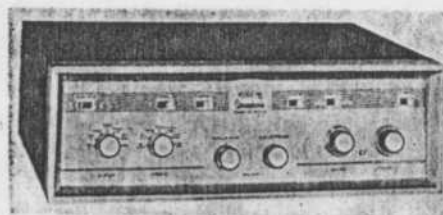
• **Recording Amplifier.** The Nortonics Model RA-100 is a high-quality recording amplifier which will supply any magnetic recording head with audio power and the required bias voltage. It also provides high- and low-impedance erase power for erase heads. It



has a VU-meter recording-level indicator which allows constant and accurate monitoring during recording. Means are provided for synchronizing the oscillators to prevent beating. Two RA-100 amplifiers are used for stereo recording. The RA-100 may also be synchronized with most popular tape recorders. The Nortonics Co., Inc., 1015 S. 6th St., Minneapolis 4, Minn. User net price \$57.50.

PACO

• **Stereo Preamp-Amplifier Kit.** The Paco Model SA-40 consists of two 20-watt amplifiers, each with its own preamplifier-control system, on a single chassis. It is mounted in an attractive gold and satin black case, with satin gold panel to blend harmoniously with all decors. The amplifiers deliver a true 20 watts output per channel due largely to a well-regulated low-impedance power supply. There is no clipping even on sustained high-level passages. Distortion is kept to a minimum because of the unique main feedback circuit which eliminates phase-shifting components. In addition to all the standard controls and switches the Model SA-40 includes: two dual phono inputs to permit the use of both record changer and manual turntable, special switching which affords selection of additional speaker systems anywhere in the home, and Balance-Right and Balance-Left test selector for a simplified aural check on



the balance of two speakers for best stereo results. Frequency response measured at 1.0 watt steady-state output is 30 to 90,000 cps ± 1.0 db. Intermodulation and harmonic distortion are less than 1.0 per cent and 0.2 per cent, respectively, at full rated output. The SA-40 is supplied with step-by-step assembly instructions and giant-size wiring diagrams to ensure easy and successful assembly. PACO Electronics Company, Inc.,

70-31 84th St., Glendale 27, N. Y. User net price, in kit form, \$79.95; factory wired, \$129.95.

PILOT

• **Sixty-Watt Stereo Control-Center Amplifier.** The Pilot 248 is a fine stereophonic amplifier (harmonic distortion 0.5% from 20 to 20,000 cps at rated power) combined with a versatile control center. A total of 14 inputs for monophonic use or 7 pairs for stereo. Fifteen controls include a scratch filter, a rumble filter, and a tape monitor switch. The 248 has Pilot's Stereo-PLUS Curtain-of-sound, an ad-



ditional speaker connection which can be used for center fill-in for stereo or for monophonic listening in another room. Output is 30 watts per channel or 60 watts total; sensitivity is 1 volt for full output. Intermodulation distortion is less than 0.5% and frequency range is 20-20,000 cps. Each Pilot 248 is shipped with a certificate showing final test values for that particular instrument. In distinctive brass and black styling! Pilot Radio Corporation, 32-06 36th St., Long Island City 1, N. Y. User net price, \$249.50.

216A, stereo preamp \$199.50
240, 30-w stereo ampl 134.50
264, 60-w stereo pwr ampl 179.50
246, 60-w stereo ampl 199.50

QUAD

• **Stereo Preamplifier.** The Quad Model 22 stereo control unit is a comprehensive stereophonic, monophonic preamplifier utilizing a pushbutton arrangement to select a variety of possible combinations. The Quad 22 is designed to operate with the Quad power amplifier, either singly or in pairs. Frequency response is 20 cps to 20,000 cps, plus or minus 0.5 db. Distortion at 1.4 volts rms



output is 0.02 per cent at the most favorable arrangement of the controls. With the worst possible arrangement of the controls the distortion is less than 0.1 per cent. Total hum and noise is more than 70 db down. Channel separation is better than 40 db from 20 cps to 20,000 cps. The front panel is a die-cast and finished in a silvery color. Lectronics of City Line Center, 7644 City Line Avenue, Philadelphia 31, Pa. User net price \$150.00.
Quad II pwr ampl \$125.00

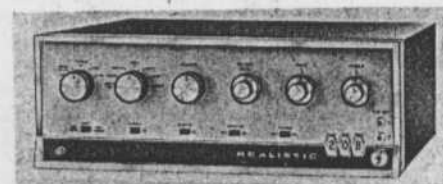
RAVENSWOOD

• **28-Watt Stereo Amplifier.** Designed such a short time ago that photographs are not yet available (at press time), the Ravenswood A-1000B stereo amplifier features 14 watts (music power) per channel at a distortion of less than 0.5 per cent at normal listening levels. Frequency response is plus or minus 1 db from 20 cps to 20,000 cps. Hum level is 8 db below rated output. A standard complement of controls are provided. Ravenswood Division of Annapolis, Electroacoustic Corp., 241 West St., Annapolis, Md. User net price, \$99.95.

PA-2000 60-w ster pwr ampl \$99.95
PA-3000 130-w ster pwr ampl 199.95

REALISTIC

• **50-Watt Transistorized Stereo Amplifier.** Employing neither vacuum tubes or output transformers, the new Realistic Model TA-208 provides 25 watts per channel plus a full complement of controls. Frequency response of the TA-208 is plus or minus 1 db from 20 cps to 15,000 cps at rated output. Hum and noise are 55 db below rated output for low-level inputs and 70 db below for high-level inputs. Sensitivity at 1000 cps and full



power output is 4 mv at the magnetic phono input, 3 mv at the tape head input, and 300 mv at the high-level input. The TA-208 employs 6 power transistors, 12 medium gain transistors, 2 driver transformers, and 1 rectifier transformer. Radio Shack Corp., 730 Commonwealth Ave., Boston 17, Mass. User net price, \$189.95; in kit form \$139.95.

SP-212 ster preamp \$99.95
TA-18 36-w trans ster ampl 99.50
SAF-24 24-w ster ampl 59.95
BA-210 140-w ster/pwr ampl 179.95

H. H. SCOTT

• **72-Watt Amplifier Kit.** Taking its place beside the unusually well-designed H. H. Scott FM tuner kit is this 72-watt amplifier kit, the Scott LK-72. On the surface this kit seems to have all the virtues of the tuner kit—that is extreme simplicity for the kit builder combined with factory performance standards. From the way these kits go together it seems that the designer was ordered to remove the drudgery and leave only the cost-saving fun. In appearance this amplifier is a perfect match for the tuner kit so that the builder may have a system which is



matched in appearance as well as performance by the time he is finished. Specifications for the LK-72 read like those for any factory-assembled unit: full power 72 watts (36 watts per channel); IHFM power band extends down to 20 cps; total harmonic distortion is less than 0.4 per cent at full power; hum level is better than 70 db below full power output. Among the many additional features of the LK-72 are a "center channel" level control, scratch filter, tape recorder monitor, and separate bass and treble control for each channel. The H. H. Scott Model LK-72 retails for \$159.95. H. H. Scott, Inc., Dept. P, 111 Powdermill Road, Maynard, Mass.

LC-21 ster preamp kit \$99.95
LK-150 ster pwr ampl kit 169.95
122 ster preamp 285.00
222C 44-w ster ampl 149.95

SHELL

• **40-Watt Stereo Control Amplifier.** A complete monophonic-stereophonic control center, the Shell 2020 "Monhasset" features visual

balance of the stereo channels by an electronic "eye" tube. Located on the front panel, with individual channel-balance controls nearby, the "eye" permits precise dynamic balancing of the input signals. In addition a built-in signal generator provides a reference voltage for balancing. The "eye" is also useful as monitor for recording. Controls are also provided for selecting mode, loudness contour, mono channel 1, channel 2, or combined, and rumble filter. Bass and treble controls are separate within each channel. Power output

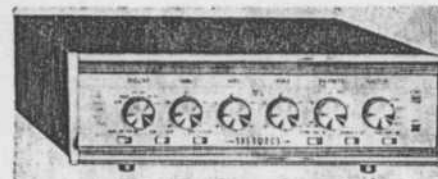


is 40 watts, or 20 watts for each channel with intermodulation distortion less than 2%; harmonic distortion less than 1% between 30 and 10,000 cps. Frequency response is 30 to 20,000 cps ± 1 db at rated output. 18 db of feedback is used with a stability margin of 15 db. Hum and noise are down 80 db at the tuner and auxiliary inputs, 65 db at the tape input, and 70 db at the phono magnetic input. Shell Electronics Mfg. Corp., 112 State St., Westbury, N. Y. User net price, \$129.95.

Northport 20-w ster ampl \$79.95
Meadowbrook 60-w ster ampl 159.95

SHERWOOD

• **60-Watt Stereo Amplifier.** Featuring fifteen front-panel controls and switches and twelve inputs, the new Sherwood Model S-5500 amplifier provides 25 watts (music power) per channel. Included in the front-panel controls are 12 db/octave rumble and scratch filters (effective at all inputs), friction-locked bass and treble controls (each channel separately or both channels simultaneously), function switch, selector, stereo balance and individual gain, loudness, tape monitor switch, loudness in-out switch, phase-reverse switch



and stereo-reverse switch. To facilitate home or professional type stereo tape recording, two cathode follower outputs and front panel tape monitoring switch combine to give complete recording flexibility. Hum and noise is 80 db below 24 watts (radio input) and 60 db below 24 watts (phono input). Frequency response is plus or minus one db, 20-40,000 cps; IM distortion is 1.5 per cent, and harmonic distortion is 0.5 per cent at 24 watts continuous. Damping factor of five assures optimum performance with today's low-efficiency speaker systems. Dimensions are 4 x 14 1/4 x 14 inches; price is \$159.50 (less case). Sherwood Electronic Laboratories, Inc., 4300 N. California Ave., Chicago 18, Ill. S-5000II 80-w ster ampl \$199.50
S-1000II 36-w ster ampl 109.50

TEECO

• **50-Watt Stereo Amplifier.** An integrated amplifier containing provisions for controlling all audio playback functions, the Teeco Model 1230 provides 15 watts in each channel or 30 watts in monophonic operation. It incorporates provision for a center channel speaker which may be used in the same room as the stereo speakers, or it may be used in a remote location for monophonic reproduction of the program. The Model 1230 is designed for use with a magnetic cartridge, tape head, ceramic or crystal cartridge, AM/FM

tuners, or auxiliary equipment. Treble, bass, and balance-loudness controls are ganged or, by turning each friction-locked knob separately, can be operated to adjust the channels individually. The S-15 includes low and high filters, and output jacks for tape recording.



Frequency range is 30 to 30,000 cps. Tru-tone Electronics, Inc., 6912 Santa Monica Blvd., Hollywood 38, Calif. User net price \$119.75.

1220 20-w ster ampl \$91.50
957 14-w ster ampl 67.50

TRANSIS-TRONICS

• **All-Transistor 40-Watt Stereo Amplifier.** Providing all the required facilities for a home music system, the TEC S-15 all-transistor 40-watt stereo amplifier provides several advantages which are unique to transistor circuitry. For example, the amplifier may be operated from either batteries (12 to 28 volts), or from a standard 110-volt a.c. line. The current drain at full output is below 2 amperes and is less than 1 ampere at listening levels. This means that the TEC S-15 can be used in automobiles or boats without appreciable drain on the standard electrical system. The absence of heat that is associated with transistor operation, makes cabinet



mounting and placement less critical since ventilation is not a factor. The TEC S-15 does not use an output transformer, and is thus free of the distortion developed in this type of unit. Separate bass and treble controls are provided for each channel. There are also five pairs of inputs and two switched a.c. outlets. Power output is 40 watts (20 watts per channel) measured according to IHFM music power standards with 4-ohm load. Frequency response is 20-20,000 cps within 0.5 db, response down 3 db at 6 cps and 45,000 cps. Intermodulation distortion is less than 0.9 per cent at rated output, and harmonic distortion is less than 0.5 per cent at rated output. The circuit includes fourteen low-level transistors, four power transistors, two germanium rectifiers, two germanium diodes, and three silicon diodes. Transis-Tronics, 1601 Olympic Blvd., Santa Monica, Calif. User net price \$129.50.

TUNERS

ALTEC

• **Home Music Center.** Advanced design and performance with an accent on style is featured in the new Altec Lansing 707 stereo AM-FM tuner-amplifier. Operating as a complete home music center the 707 can accommodate either mono or stereo systems with equal facility. Featured also is a connection for a center speaker which makes the unit suitable for extended stereo applications. Power output of the amplifier section is 48 watts (24 watts per channel) by IHFM ratings. The 707 is part of line of matched monophonic and stereophonic components

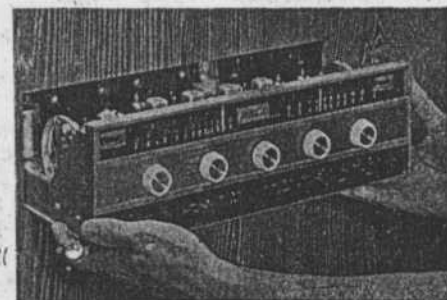


Altec Lansing Corporation, 1515 S. Manchester Ave., Anaheim, Calif. User net price, \$387.00.

309A AM-FM ster tuner \$216.00
312A FM tuner 111.00

BELL

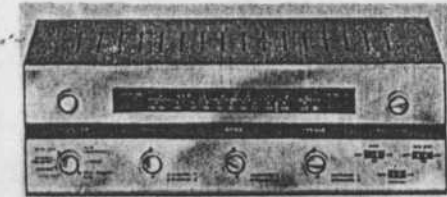
• **AM-FM Receiver.** An AM-FM tuner with a 44-watt stereo amplifier on the same chassis, the Bell Model 2445 will receive simulcast broadcasts and contains provisions for the installation of an FM-stereo adapter. The FM tuner sensitivity is 1.8 μ v for 30 db of quieting and frequency response is ± 0.5 db from 20 cps to 20,000 cps. The AM section sensitivity is 4 μ v for a signal-to-noise ratio



of 20 db, and its frequency range is 20 cps to 5000 cps (includes 10,000 cps whistle filter). Individual tuning meters are provided for AM and FM. The amplifier section provides 22 watts per channel (IHFM) and its frequency response is ± 1 db from 20 cps to 20,000 cps. Total harmonic distortion is less than 1 per cent at 1000 cps at 40 watts rms. A full complement of controls is provided. Bell Sound Division, Thompson Ramo Wooldridge, Inc., Columbus 7, Ohio. User net price, \$329.95.

BOGEN

• **"Fun Couple" AM-FM-Stereo Receiver.** Inspired by a book of the same name, the new Bogen "Fun Couple" Series includes an FM-stereo tuner and the AM-FM-stereo receiver shown (Model RP-200). The RP-200 features a 20-watt per channel stereo amplifier and built-in FM-stereo circuitry. Except for speakers, this unit contains everything necessary for a complete stereo system. FM sensitivity is 3 μ v by IHFM standards. The RP-200 incorporates sufficient controls to make the most ardent knob twirler happy. The



TP-200 is the FM-stereo tuner in the series and is the same unit incorporated in the RP-200. Bogen, Division of the Slegler Corp., P. O. Box 500, Paramus, N. J. User net prices: RP-200, \$299.95; TP-200, \$199.95.
RP40A AM-FM rec \$399.95
TP-60 AM-FM tuner 269.95
RP-100 mono FM rec 169.95
PX60 FM-stereo adapter 69.95

CROSBY

• **FM-Stereo Receiver.** An all FM-stereo receiver, the Crosby Model 650MX is an FM-stereo tuner and a 28-watt amplifier all on the same chassis. The FM section boasts a sensitivity of 2 μ v by IHFM standards and a frequency response of plus or minus 0.5 db from 30 cps to 20,000 cps. The frequency response of the amplifier section is plus or minus 0.5 db from 20 cps to 35,000 cps. Distortion is 1 per cent at full output and IM



distortion is less than 0.4 per cent at "normal" listening levels. The 650MX contains a full complement of controls and mode is selected by means of 5 pushbuttons. The unit is handsome in appearance and has a solid, deep-etched, brass-finished front panel. Crosby Electronics, Inc., 135 Elleen Way, Syosset, N. Y. User net price, \$249.95. Wood cabinets (Walnut, mahogany, ebony), \$20.00.

690 FM tuner \$99.95
R80 AM-FM stereo rec 375.00

DYNACO

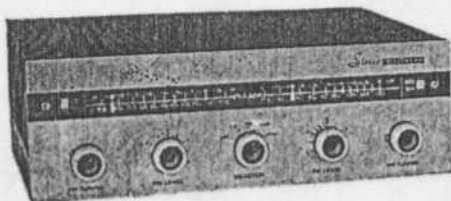
• **FM Tuner Kit.** Etched circuit design claimed to be so inherently non-critical that it can be completely aligned without test equipment is a feature of the new Dynatuner just introduced by Dynaco, Inc. With a sensitivity of 4 microvolts by IHFM standards (comparable with about 1 microvolt for 20 db of quieting) this tuner should be sensitive enough for all areas. Distortion levels



are below 0.1 per cent with 100-per-cent modulation; a result of the broadband, bridge-balanced discriminator. A novel construction feature is the planetary drive system for the tuning capacitor which eliminates the need to string dial cords. It is claimed that precise alignment can be accomplished by the user at any time, so the performance can be maintained at optimum. Dynaco, Inc., 3912 Powelton Ave., Philadelphia 4, Pa. User net price, \$79.95.

EICO

• **AM-FM Stereo Tuner Kit.** Prewired, pre-aligned r.f. and i.f. stages of both the FM and AM sections make the new Eico ST96 an easy kit to construct and reduces the

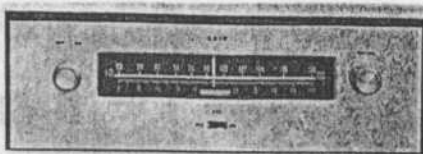


problem of alignment. The new tuner features Eico's traveling tuning indicators which contract into an exclamation point at the exact center of each broadcast channel. Two completely independent sets of controls allow the ST96 to be used for separate and simultaneous FM and AM reception, or for FM-AM stereo. It will also receive FM-Stereo upon

addition of an adapter. The FM section has a.f.c., a.f.c.-defeat, a.g.c., and a broadband ratio detector for improved capture ratio and easier tuning. FM frequency range is 20-15,000 cps. The AM section features switched "wide" (to 14,000 cps) and "narrow" (to 7000 cps) bandpass. AM frequency range is 20-9000 cps (wide), 20-4500 cps (narrow). Panel controls include: separate AM, FM tuning; separate AM, FM level controls; selector switch for choosing AM only, FM only, AM-FM stereo, or FM-Stereo. The ST96 sells for \$89.95 in kit form; wired, the price is \$129.95. Both prices include a metal cover. Electronic Instrument Co., Inc., 33-00 Northern Blvd., L. I. C. 1, N. Y.

ERIC

• **FM Tuner.** Eric Model 3457 is the top FM tuner in the Eric line. It features a sensitivity of 1.5 μ v for 20 db of quieting. The discriminator is of the Foster-Seeley type and the frequency range is 20 cps to 20,000 cps. Space is provided on the chassis for installation of multiplex. It has a.f.c. plus a defeat



switch on the front panel. Antenna input is 300-ohms balanced. The front panel is satin-gold finished. Eric Electronics Corp., 1823 Colorado Ave., Santa Monica, Calif., User net price, \$84.95. (Slightly higher in East.)

3357 FM tuner \$56.75
3157 stereo tuner 99.95

FISHER

• **FM-Stereo Tuner.** An unusually fine FM tuner with many advanced features, the Fisher FM-200B is an example of excellent engineering. Incorporation of such features as interchannel muting by cutting off the last i.f. stage and automatic a.f.c. defeat whenever the tuning knob is touched makes this

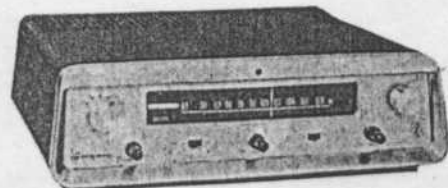


unit high in convenience. Coupled with this is sensitivity of 1.6 μ v by IHFM standards, 6 i.f. stages, and 5 limiters. With built-in automatic FM-stereo. Fisher Radio Corp., 21-21 44th Drive, L. I. C. 1, N. Y. User net price, \$289.50.

FM-100B FM-stereo tuner \$229.50
FM-50B FM-stereo tuner 189.50

GROMMES

• **FM Receiver.** Designed to provide background music for office and home, the new Grommes Model 510 FM tuner-amplifier should be of particular interest to doctors



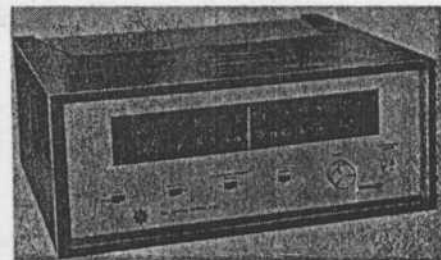
and dentists, as well as other business offices where background music is desired. The Model 510 is a complete FM tuner, pre-amplifier, and amplifier in one compact, attractive unit. The amplifier has phono, tape, and microphone inputs. The microphone in-

put enables the unit to function as a public address system at the same time it is providing background music. Controls include loudness, bass, and treble, and the tuner section has a three-gang tuning unit with an electronic tuning eye. The circuit consists of two broad-band i.f. stages, dual limiters, and a ratio detector. The price of the Model 510 is \$149.95. An enclosure is available for \$10.00. Grommes, Division of Precision Electronics, Inc., 9101 King Avenue, Franklin Park, Illinois.

101GTA sens FM tuner \$89.95

HARMAN-KARDON

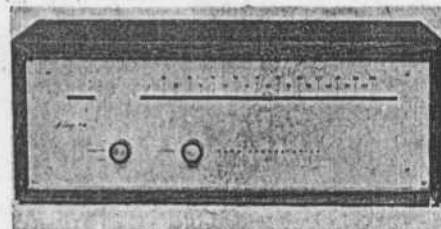
• **Integrated AM/FM-Stereo Tuner.** The Harman-Kardon Model T300X is a new AM/FM tuner with a multiplex adapter built in. The circuit consists of a tuned grounded-grid r.f. amplifier followed by a triode mixer, 3 high-gain, wideband, pentode i.f. stages and a



gated-beam limiter. The circuit employs a wideband solid state Foster-Seeley detector, a Colpitts oscillator, and reactance type a.f.c. circuit. Sensitivity of the T300X is 3.2 μ v by IHFM standards. Harman-Kardon Inc., Plainview, L. I., N. Y. User net price, \$149.95. Cit III prof FM tuner kit \$149.95
F500 "Award" FM tuner 129.95

KARG

• **FM Tuner.** Intended to round out the Karg line of FM tuners, the "Primata" CT-3 is a sensitive, stable tuner with a handsome exterior. Featuring printed r.f. coils, flywheel action with in-line tuning, "magic eye" tuning indicator, dual function gated-beam limiter, wideband Foster-Seeley discriminator,

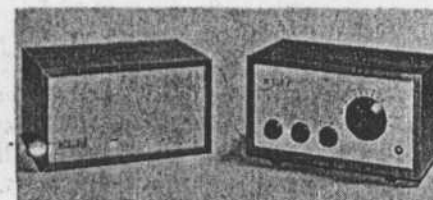


and two audio outputs plus multiplex jack. Sensitivity is stated as 0.8 μ v for 20 db of quieting with IM distortion less than 0.7 per cent at 100 per cent modulation. Frequency response is plus or minus 1 db from 20 to 20,000 cps. Price of the CT-3 is \$99.50 without a case. A brown metal case and various wood cabinets are available as accessories. Karg Laboratories, South Norwalk, Conn.

XT-3A prof. FM tuner \$290.00
XT-1A crystal-cont. FM tuner 199.50
CT-2 ster FM tuner 139.50

KLH

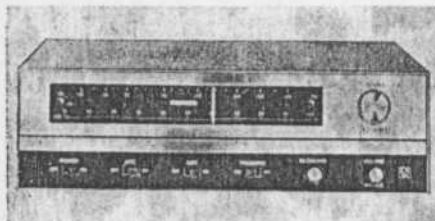
• **Complete FM Receiving System.** The KLH Model 8 is a complete FM receiving system in two walnut cabinets, each of which meas-



ures 10% x 6%. One cabinet consists of a tuner-amplifier, the other cabinet contains a wide-range speaker system. Jacks are provided to permit the use of the tuner section with other equipment and for the addition of a multiplex adapter. KLIH Research and Development Corp., 30 Cross St., Cambridge 39, Mass. User net price, \$150.00.

KNIGHT

• **FM-Stereo Tuner with DSR.** Featuring dynamic sideband regulation (DSR), the Knight KN-150M FM-stereo tuner is claimed to provide optimum reception of all FM stations. The advantage of DSR is that it virtually eliminates the distortion of a weak signal as well as the distortion caused by overmodulation of the signal at the station. The multiplex adapter and a control for regulating stereo balance is included. A panel light will

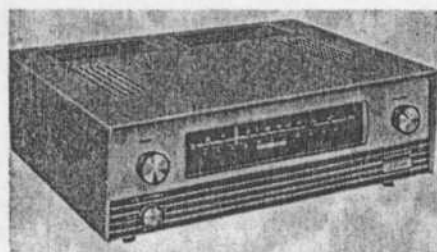


glow automatically when an FM-stereo signal is received. IM distortion of the KN-150M is below 0.25 per cent at signal levels over 10 microvolts. The audio output stage utilizes a cathode follower to permit cables up to 100 feet in length. AFC and inter-station muting are also provided. An output level control is mounted on the front panel to facilitate tape recording FM broadcasts. The KN-150 is provided with a beige-finish metal case and the control panel is gold and charcoal brown. Allied Radio Corp., 100 N. Western Ave., Chicago 80, Illinois. User net price, \$149.50.

KN-310M FM-stereo tuner-amplifier \$229.95
KF-90 AM-FM-stereo tuner kit 99.95
KF-75 AM-FM-stereo tuner kit 84.95

LAFAYETTE

• **"Criterion" FM Tuner Kit.** The Lafayette Model KT-650 FM tuner kit is a member of the Lafayette "Criterion" series—apparently the top of their kit line. The KT-650 incorporates many features: multiplex jack; anode follower output allows tuner to be located up to 50 feet away from amplifier; flywheel weighted tuning; variable a.f.c.; electronic eye tuning indicator; tuner level control on front panel. Sensitivity is 6 μ v by IHFM



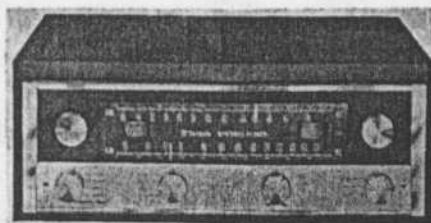
standards; frequency response is ± 0.5 db from 15 cps to 35,000 cps. Distortion and noise are better than 57 db below 1.5 volts at 100 per cent modulation. Lafayette Radio, 165-08 Liberty Ave., Jamaica 33, N. Y. User net price, \$54.50. Factory wired and tested, \$79.05.

KT-500A AM-FM stereo tuner kit \$74.50
LT-77 AM-FM stereo tuner 74.50
LA-225 40-w AM-FM stereo rec 174.95

McINTOSH

• **Stereo AM-FM Tuner.** A deluxe tuner with many unusual features, the McIntosh Model MR-66 AM-FM tuner is clearly intended for the perfectionist. Some of the features are: variable a.f.c. which automatically disengages with the slightest tuning action, and automatically re-engages after tuning is completed; ultrasonic muting injected in the i.f. stage

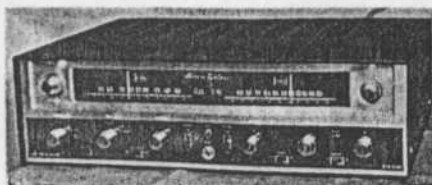
so that it is operative during FM-stereo broadcasts; Balun coil in the 300-ohm antenna input circuit for a balanced line. Sensitivity of the FM section is 3 μ v by IHFM standards. Frequency response is ± 3 db from



20 cps to 20,000 cps. AM sensitivity is 1.5 μ v and distortion is less than 2 per cent at 100 per cent modulation. Provision is included to feed a multiplex adapter. McIntosh Laboratory, Inc., 4 Chambers St., Binghamton, N. Y. User net price, \$325.00.

MONARCH

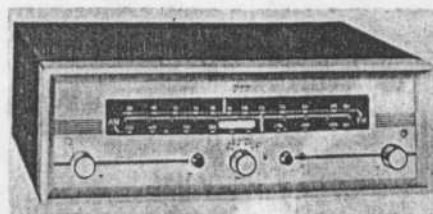
• **Stereo AM-FM Receiver.** Monarch Model STA-2100 is a complete stereo unit mounted on a single chassis. Featuring dual amplifiers, separate AM and FM tuners, the STA-2100 is ideal for simulcast reception or, with an adapter, for FM-stereo. With its full complement of controls and its built-in 100-watt



amplifier, the STA-2100 truly qualifies as a home music center. Amplifier circuit features are an oversize power transformer; fully potted, grain-oriented output transformers; d.c. on the amplifier heaters; separate tuning indicators for AM and FM; balance-adjust meter on back panel; fixed bias on the output tubes. Sensitivity of the FM tuner is 1 μ v for 20 db of quieting. Monarch Electronics International, Inc., North Hollywood, Calif. User net price, \$324.95.

PACO

• **Stereo FM/AM Tuner Kit.** The Paco model ST-45PA stereo FM/AM tuner kit features separate prewired and prealigned AM and FM tuner circuitry on two printed circuit boards. Having separate FM and AM circuits, the Paco model ST-45PA can play simulcast stereo as well as separate AM or FM. A multiplex socket is provided with space beside it for a multiplex adapter. The FM tuner has a sensitivity of 2 microvolts for 30 db quieting. Bandwidth is over 200 kc, with harmonic distortion less than 1% from 20 to 20,000 cps. The circuit includes dual limiters and a

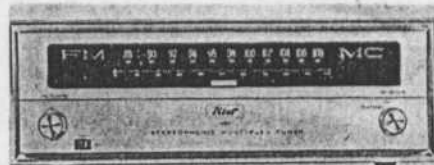


Foster-Seeley discriminator. The AM tuner has a tuned r.f. stage with a three-gang tuning capacitor. The built-in ferrite antenna is rotatable as well as removable. The circuit includes a 10-kc whistle filter. Both AM and FM sections have separate flywheel tuning, cathode-follower outputs and individual output level controls. PACO Electronics Co., Inc., 70-31 84th St., Glendale 27, L. I., N. Y. User net price, \$99.95 for the kit; factory wired, \$134.95.

ST-35 FM tuner kit \$59.95

PILOT

• **FM-Stereo Tuner.** Featuring an indicator light which automatically glows when a stereo program is tuned in, the Pilot Model 380 tuner also automatically switches to stereophonic FM reception. Some of the other features of the Model 380 are a precision tuning indicator; built-in power-line cord FM

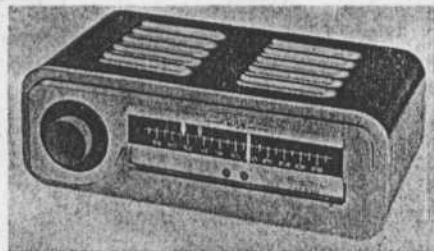


antenna; low-impedance cathode follower outputs; FM level control on rear panel. FM sensitivity is 3 μ v by IHFM standards. The circuit includes a low-noise triode r.f. amplifier, low-noise triode converter, 3 i.f. stages, and a wideband detector. Pilot Radio Corp., 37-06 36th Street, Long Island City 1, N. Y.

200 FM-stereo adapter \$79.50
480 stereo AM-FM tuner 159.50
602 30-w AM-FM rec 249.50

QUAD

• **Compact FM Tuner.** The Quad FM tuner is a compact unit designed to be used with Quad amplifiers. It is an attractive companion to the Quad 22 or 11 control units. Special features are a positive tuning indicator; drift-free temperature-compensated a.f.c.



circuitry; low distortion; and high noise rejection. Sensitivity is 3 μ v for 20 db of quieting. Distributed in United States by Electronics of City Line Center, 7044 City Line Ave., Philadelphia 31, Pa. User net price, \$125.00.

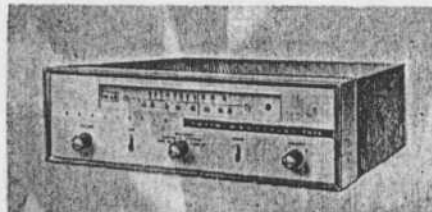
RAVENSWOOD

• **AM-FM Tuner.** Completely ready to be adapted for FM-stereo, the Ravenswood Model T-1000 provides FM sensitivity of 1.8 μ v for 20 db of quieting and an AM sensitivity of 20 μ v using the built-in ferrite loop-stick antenna. Frequency response is plus or minus 1 db from 20 cps to 20,000 cps. Distortion is less than 0.5 per cent at 100 per cent modulation. A.f.c. and a.f.c. defeat provided. Ravenswood Division of Annapolis Electroacoustics Corp., 241 West St., Annapolis, Md. User net price, \$99.95.

TCC2000 AM-FM tuner & ster preamp \$249.95

REALISTIC

• **AM-FM-Stereo Tuner.** Built-in FM-stereo provisions and separate AM and FM tuners make the Realistic Model TM-8 an up-to-the-minute tuner. In addition, color-scale tuning



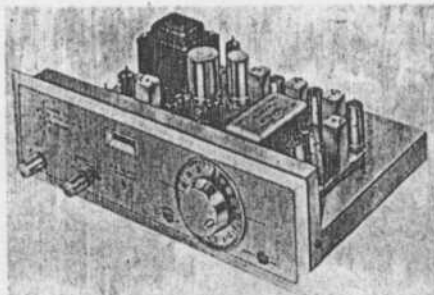
makes this unit unusually easy to tune for minimum distortion. Separate tuning meters

are provided for AM and FM. Sensitivity of the FM section is 1.5 μ v for 30 db of quieting $\pm$ 75,000 cps deviation and 100 per cent modulation. AM sensitivity is 2 μ v for 20 db signal-to-noise ratio at 30 per cent modulation. Frequency range of the FM section is 20 cps to 20,000 cps; frequency range of the AM section is 20 cps to 9500 cps. Radio Shack Corp., 730 Commonwealth Ave., Boston 17, Mass. User net price, \$99.95.

STA-7 FM-stereo rec \$124.95
TM-220 transis FM-stereo tuner 149.95
MPX-215 FM-stereo adapter 39.95

H. H. SCOTT

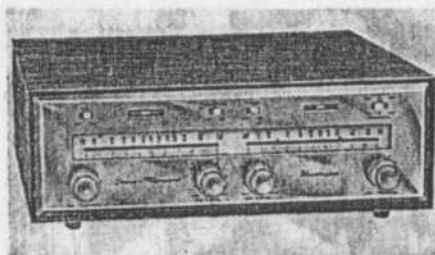
• **FM-Stereo Tuner.** The new H. H. Scott FM-stereo tuner, Model 350, is essentially a stereo version of the well-known Model 314 tuner. Incorporating the wideband circuitry which characterize all the H. H. Scott tuners, the Model 350 will provide optimum stereo-phonetic reception. Usable sensitivity, by IHFM



standards, is 2.5 μ v. The Model 350 uses 10 tubes and 11 diodes and incorporates the H. H. Scott silver-plated front end. It can receive either monophonic FM or FM-stereo. Special circuitry for stereo tape recording is included. H. H. Scott, Inc., 111 Powder Mill Road, Maynard, Mass. User net price, \$199.95.
LT-10 FM tuner kit \$99.95
310D prof FM tuner 194.95
314 FM tuner 119.95
335 FM-stereo adapter 99.95

SHELL

• **AM-FM Receiver.** Named after a pleasant town on Long Island (N. Y.), the Shell "Huntington" is an AM-FM tuner which can receive simulcast stereo as well as separate AM and FM programs. FM sensitivity is 2.1 μ v for 30 db of quieting. AM sensitivity is



3 μ v for a signal-to-noise ratio of 20 db. A.f.c., and a.f.c. defeat, are controlled by means of a slide switch on the front panel. Distortion is less than 1 per cent for both AM and FM. Provision is included to accommodate an FM-stereo adapter. Shell Electronics, 112 State St., Westbury, N. Y. User net price, \$159.95.

SHERWOOD

• **FM-Stereo Tuner.** The new Sherwood Model S-3000 IV combines the sensitive Sherwood S-3000 III tuner with their new wideband multiplex circuitry to receive either FM-stereo or monophonic FM. The multiplex circuit includes a phase-locked synchronous oscillator, an extremely sharp filter circuit to remove the 19,000 cps pilot and the 67,000 cps commercial channel transmission. This tuner has controlled frequency and phase response of the i.f. amplifier, limiters, and discriminator for minimum distortion and

maximum stereo separation. FM sensitivity is 1.8 μ v by IHFM standards. Sherwood Electronic Laboratories, Inc., 4300 N. California



Ave., Chicago 18, Illinois. User net price, \$160.00.

S-3000 III FM tuner \$110.00
S-8000 FM-stereo 64-w rec 299.50
S3MX self-pwrd FM-stereo adapter .. 69.50

TEECO

• **AM-FM Receiver.** A complete unit consisting of an AM-FM tuner plus a 30-watt stereo amplifier, the Teeco Model 1030 provides pushbutton selection of either simulcast or separate AM and FM operation. Separate tuning controls and tuning indicators are



provided for AM and FM. The amplifier may be used as a 30-watt monophonic amplifier or as a 15-watt per channel stereophonic unit. Sensitivity of the FM section is 2 μ v for 30 db of quieting; AM sensitivity is 10 μ v. Frequency range of the FM section is 20 cps to 20,000 cps and of the AM section is 20 cps to 5000 cps. The Model 1030 has a full complement of controls plus pushbutton mode selection. Trutone Electronics, Inc., 6912 Santa Monica Blvd., Hollywood 38, Calif. User net price, \$232.50.

TRANSIS-TRONICS

• **Transistorized FM-Stereo Tuner.** Occupying a space of only 3" x 10 1/2" x 8 1/2", the TEC FM-15MPX provides FM-stereo (or mono FM) with a power consumption of only 4 watts. Utilizing 27 transistors and 9 diodes, the



TEC-15MPX features a tuning meter, illuminated slide-rule dial, local-distance switch, a.f.c., interstation muting, and completely automatic stereo operation. Sensitivity is 3.5 μ v by IHFM standards. Frequency response is $\pm$ 1 db from 20 cps to 20,000 cps. Transis-Tronics, Inc., 1601 Olympic Blvd., Santa Monica, Calif. User net price, \$179.50.

FM-15 transistorized tuner \$119.50

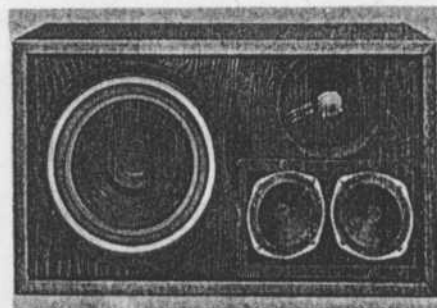
LOUDSPEAKERS AND SYSTEMS

ACOUSTIC RESEARCH

• **Low-Cost "Acoustic-Suspension" Speaker System with Super Tweeter.** Selling for little

over a hundred dollars, the AR-2a consists of an AR-2 speaker system in combination with a 1 1/2 inch dome-type super-tweeter.

The AR-2 speaker system uses the AR patented acoustic-suspension principle in which a small enclosure provides improved rather than compromised reproduction quality. In this principle the woofer cone is mounted on very free suspensions, so compliant that they are unable to provide the elastic restoring force normally required of them. The missing elasticity is then reintroduced by the pneumatic spring formed by the air within the cabinet. The cone literally rides on air instead of on mechanical springs.



The small enclosure size is necessary for optimum performance. The 1 1/2-inch super-tweeter uses a very small, stiff, hemispherically shaped diaphragm as a direct radiator which provides a nearly ideal performance in the high-treble range.

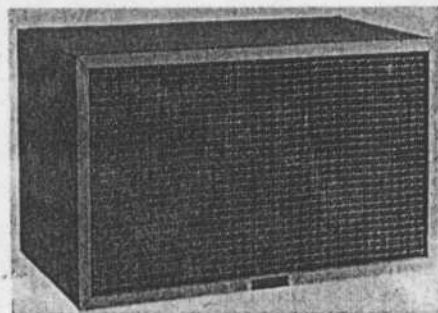
The AR-2a is a 4-speaker system consisting of a single 10-inch woofer, two 5-inch tweeters, and the 1 1/2-inch super tweeter. Frequency response is more than adequate to cover the entire range of musical instruments. Cross-over frequencies are 2000 cps and 7500 cps. Dimensions of the AR-2a are 13 1/2" h x 11 1/2" d x 24" l.

Recommended for use with amplifiers having power output of 20 to 40 watts. Acoustic Research, Inc., 24 Thorndike St., Cambridge 41, Mass. User net price mahogany or birch \$122.00; unfinished pine \$109.00; oiled walnut \$128.00.

AR-1 full-range speaker system, mah .. \$185.00
AR-2 full-range speaker system, mah .. 96.00
AR-3 full-range speaker system, mah .. 216.00
AR-3st super-tweeter for AR-1 or
AR-2, mah 35.00
AR-3t mid-range & super-tweeter for
AR-1, mah 92.00

A. E. S.

• **Bookshelf Speaker System.** The A.E.S. Gigolo II is a wide-range speaker system enclosed in a natural birch cabinet, which is only 24" x 30 1/2" x 12". All of the wood used for the enclosure is at least 3/4-in. thick, and the enclosure comes completely assembled

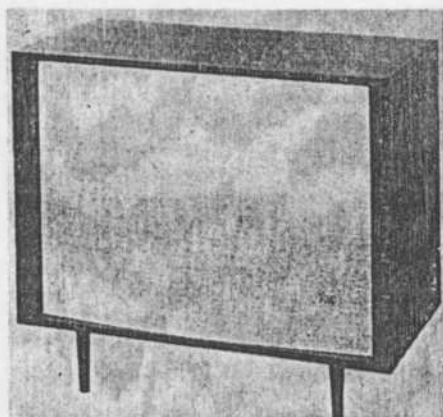


and ready for finishing. Frequency response of the Gigolo II is 29 cps to 16,000 cps plus or minus 8 db. Harmonic distortion is less than two per cent from 50 cps to 15,000 cps. A.E.S. Inc., 3338 Payne Ave., Cleveland, Ohio. User net price \$49.50.

Gigolo I bkshf spkr sys \$15.00
800A 8-in spkr 19.95
1200A 12-in spkr 49.50
1500A 15-in spkr 59.50

ALTEC

• **Two-way Speaker System.** The Altec 838-A "Carmel" speaker system provides unusually fine sound in a handsome cabinet of modern design. Available in walnut or mahogany finish, this Altec system is compact enough to be practical for stereo in most living rooms yet large enough to provide "large" loudspeaker sound. The Carmel is a professional-type, two-way reflex system with a "guaranteed" frequency range from 30 cps to 22,000 cps. Two new high-compliance 414-A



bass speakers provide low-frequency reproduction. An Altec 802-B driver mounted on an S11-B horn covers the highs to 22,000 cps. An 800-E crossover network provides crossover at 800 cycles. Altec Lansing Corp. 1515 S. Manchester Ave., Anaheim, Calif. User net price \$297.00.

837-A "Avalon" spkr sys	\$246.00
831-A "Capistrano" spkr sys	399.00
A-7 "Voice of the Theatre" spkr sys ..	299.30
605-A 15-in Duplex spkr	177.00
414-A 12-in. bass spkr	54.00
802-D High freq. driver	53.00
811-B Sectoral horn	30.00

ARGOS

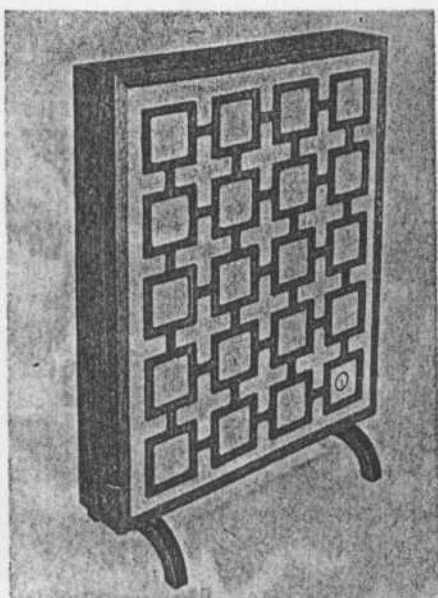
• **Speaker Enclosure.** Compact enough for a table-top yet large enough to accommodate a 12-in. woofer and a tweeter, the Argos "Eldorado" is only 27 1/4" x 14 1/4" x 10". Especially important for smoothness of the bass



is the tuning tube which is easily installed to match the Eldorado to any speaker you may use. The top, bottom, and two sides are covered with a "wood-grained" Pyroxylin, a new covering which looks exactly like wood from four feet away. Available in either blond or walnut. Argos Products Company, 301 Main St., Genoa, Ill. User net price \$22.50.

AUDAX

• **Thin Loudspeaker System.** The new "Sonoteer" speaker system introduced recently by Audax, employs five speakers but measures only four inches thick. Featuring a return to the open baffle principle, the "Sonoteer" produces the figure-eight sound pattern usually associated with this type of speaker mounting. Thus greater coverage can be achieved if this speaker is appropriately placed. Housed in an oil rubbed walnut frame with a filigreed pattern of matching wood over the speaker cloth, the "Sonoteer" weighs only 18-lb. and costs \$79.95. The "Sonoteer Contemporary" Model CA-70 is the first in the Sonoteer's series which will include cabl-



nets of traditional, classic, and provincial designs. Rek-O-Kut Company, Inc., Corona, N. Y.

CA-60 spkr sys	\$59.95
CA-1008 spkr sys	124.95

BOZAK

• **Three-way Speaker System.** Although small in size, the Bozak B-302A possesses the same musical sensitivity featured by all Bozak speaker systems. It is ideal for small listening rooms or in pairs for stereo. The B-302A contains one Bozak 207A two-way speaker, one B-209A midrange speaker and one 10102 crossover network to provide crossover at 875 cps. Frequency range is 40 cps to 16,000 cps. Impedance of the system is 8 ohms, and



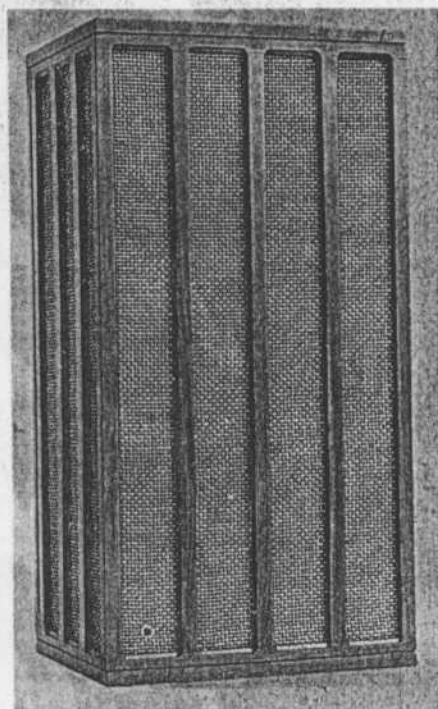
the power handling capabilities are at least 20 watts. The B-302A is available in contemporary styling or provincial styling. The contemporary model, "Urban," is available in either oiled walnut, mahogany, or ebony finishes while the "Provincial" is available in cherry. R. T. Bozak Sales Co., Box 1166, Darien, Conn. User net price for the "Urban" is \$254.50; for the "Provincial" \$290.00.

B-305 wide-range spkr sys "Urban" ..	\$397.50
B310A wide-range spkr sys	770.00
B-1000 spkr sys	79.50
B207A 2-way coaxial spkr	89.50
B-209A midrange spkr	51.00
10102 crossover network	27.50

CROSBY

• **Servo-Amplifier Speaker System.** Representing a new concept in sound reproduction, the Crosby/Intergrand servo-amplifier speaker

system utilizes the servo-amplifier principle to provide improved fidelity. Servos, through a special coil wound on speaker elements, constantly monitor the action of the cone. The slightest unwanted variation from input signal is corrected within the fully transistorized, transformerless amplifiers. These are the same techniques employed in military missile guidance. The three channels of the system consist of one 12-in. woofer, three midrange elements, and three horn-loaded tweeters, respectively. Speaker elements feed



their information back to their own transistorized amplifier sections. Each amplifier is conservatively rated at 12 watts per channel, at one per cent maximum harmonic distortion within its pass-band. Thus a total of 36 watts is available. Crossover networks are provided at the input of each amplifier: woofer up to 800 cps; midrange 800 to 3000 cps; tweeter 3000 to 20,000 cps. All crossover networks have 12 db per octave attenuation outside of their respective transmission bands. Frequency response is plus or minus 3 db from 35 cps to 15,000 cps. Input requirements are 0.75 volts and input resistance is 250,000 ohms. It is available in walnut fruitwood finishes, and also in a utility model less outer wood housing. Crosby Electronics, Inc., 135 Eileen Way, Syosset, L. I., N. Y. User net price, contemporary walnut \$500.00, provincial fruitwood \$525.00, utility model \$480.00.

Troubadour compact spkr sys \$29.95

DUKANE

• **"Ionovac" Speaker System.** Utilizing ionized air instead of the conventional speaker diaphragm for converting electrical pulsations

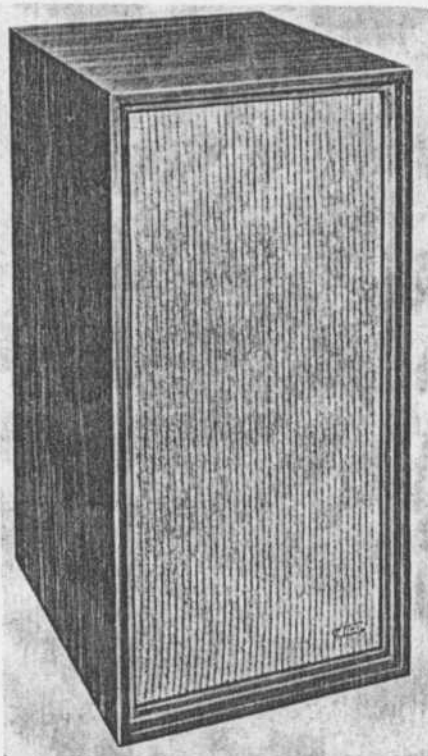


into sound, the "Ionovac" high-frequency speakers are available either separately or as part of a complete speaker system such as the DuK-20 full-range system shown. Based on the work of French physicist Sigfried Klein some years ago, the DuKane Corporation developed the principle to a practical reality. Heart of the speaker is a small open-end quartz cell, no larger than the eraser on a pencil, in which air is confined in a chamber which narrows down to a tiny aperture. Within this small space air molecules are bombarded with a high-frequency, high-voltage current which knocks sufficient electrons free to ionize the air. The ionic cloud is modulated by signals from the amplifier and is then fed into a small horn which delivers them efficiently to the room as sound waves. The "Ionovac" has a frequency range from 3500 to 20,000 cps. The DuK-20 includes two midrange speakers and a 12-in. high-compliance woofer in addition to the "Ionovac." DuKane Corporation, St. Charles, Ill. User net price \$87.50.

DuK 10 tweeter	\$79.50
DuK 30 wide-range sys	199.50
DuK 40 wide-range sys	149.50
DuK 50 bookshelf sys	139.50

EICO

• **3-Way Speaker System Semi-kits.** The Eico HFS-3 and HFS-4 provide extraordinarily pure reproduction of bass frequencies with good efficiency in an enclosure of only 2 1/4 cubic feet. Both are 3-way systems consisting of a 12" bellows-suspensions woofer and an 8" closed back mid-range speaker with a high-internal-damping cone. A 3 1/2" cone tweeter

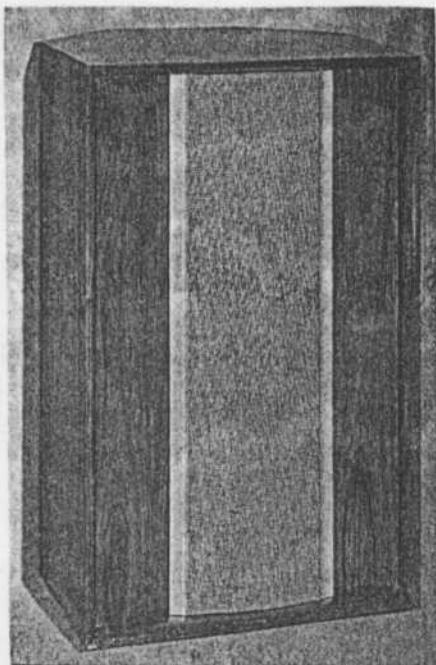


is supplied in the HFS-3 for those who prefer softer highs; a compression-driver horn tweeter is supplied in the HFS-4 for those who prefer more brilliance and projection in the highs. (In all other respects, the HFS-3 and HFS-4 are identical.) The impregnated cloth-bellows woofer surround underlies the excellence of the bass reproduction. Built-in cross-over networks (600 and 4000 cps) with a level control provided for the tweeter. The enclosure is tuned to 25 cps by a tubular ducted port. The tuned enclosure loads the woofer and reduces cone excursion and distortion in the 28 to 60 cps region. Phase-coded terminals. Frequency range 28 to 14,000 cps. Power handling capacity 30 watts; rated impedance 16 ohms. The cabinet is completely factory constructed ready to receive speakers and networks. Available in walnut, mahogany, or unfinished birch. Electronic Instrument

Co., 33-00 Northern Blvd., Long Island City 1, N. Y. Kit price HFS-3, mah \$87.50; HFS-4, mah \$98.50. HFS-5, 2-way spkr sys, mah, kit \$59.50 HFS-1, 2-way spkr sys kit 39.95

ELECTRO-VOICE

• **Large Speaker Systems.** The Electro-Voice Patrician 700, the latest in a series of 4-way speaker systems, although designed for utmost operating efficiency in a corner, can be placed in almost any room location without hampering its performance. The Patrician 700 includes the Model 30W, 30-in. woofer,

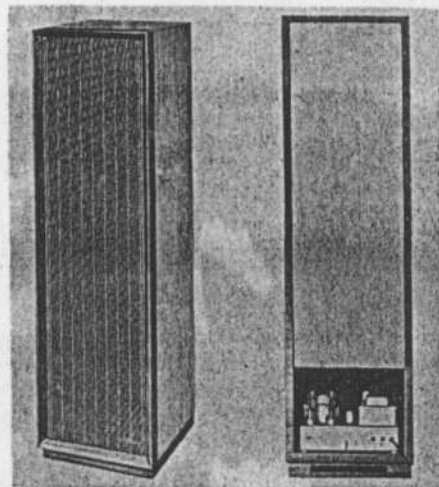


which achieves its highest efficiency in the 40 cps region, and continues to respond down to 20 cps and lower. Midrange is handled by an SP12 full-range speaker in a separate compartment. The sensitive T250 treble driver using an SHD defraction horn, provides reproduction of frequencies above 700 cps. A T350 tweeter extends the response to an upper limit of 35,000 cps. The enclosure is styled in a handsome contemporary design, and is made of selected one-inch-thick woods which are finished in hand-rubbed mahogany, blond, limed oak, or walnut. It occupies only 5.3 square feet of floor space. Size 54 1/2" x 33" x 28 1/2". Electro-Voice, Inc., Buchanan, Mich. User net price \$795.00.

Stereo 200 3-way spkr sys	\$375.00
Royal 400 3-way spkr sys	249.50
Regal 300 3-way spkr sys	179.00
Leyton 100 Bkshlf spkr sys	84.50
Coaxial spkr (8-15-in.)	29.50-89.00
3-way spkrs (12-15 in.)	66.00-125.00
30W 30-in. woofer	185.00

EMI

• **Professional Studio Monitor Speaker System with Built-in Amplifier.** Hand made and identical with the systems used in the recording studios of EMI in England, DLS1 is a superb speaker system which will appeal to the connoisseur with unlimited budget and limited space. Built high rather than wide, the DLS1 stands 50-inches high but is only 13 1/2 inches wide and 17-inches deep. Although these dimensions were chosen for the system's design function as a studio monitor, it works out very well in a home. Three speakers are used in the column; a large elliptical cone woofer and two smaller units to cover mid- and high-frequencies. The axes of all speakers are vertical so that maximum horizontal dispersion is achieved over a wide frequency range. Frequency range of the system is 30 to 15,000 cps. An EMI 25-watt, extremely low distortion amplifier is built into the base of the column. The amplifier uses four adjustable, factory-set, frequency correcting networks to

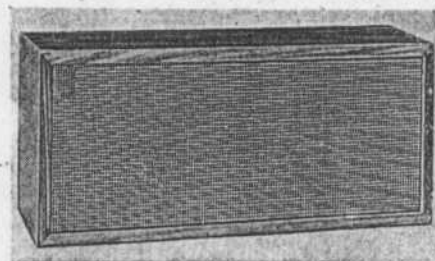


attain linear response over the required frequency range. The column is mounted on four large, concealed casters. Exclusive United States distributor, Scope Electronics Corp., 10 Columbus Circle, New York 10, N. Y. User net price, \$594.00.

DLS 529 bookshelf spkr sys \$159.00

ERCONA

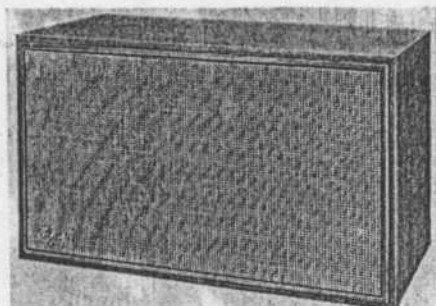
• **Compact Speaker System.** A precision product of Swedish design incorporating a new, patented, multi-layer free-speaker cone, the Nordie I is an exceptionally efficient speaker which performs well with amplifiers of moderate power. The compact enclosure contains a 2-way speaker system which consists of an 8-in woofer, and a 5-in cone-type tweeter. The woofer has a multi-layer, free cone, each layer of which is made of a different fibre and material. The combination of hard and



soft materials, plus special edge treatment, reduces distortion to one per cent in the range from 100 cps to 10,000 cps. Distortion from 10,000 cps and 18,000 cps does not exceed 1.5 per cent. Crossover for the tweeter is 7500 cps, although it actually cuts in at about 5,000 cps. System frequency range is 45 cps to 18,000 cps. Impedance is 8 or 16 ohms. Power handling capability is 20 watts music power. Dimensions of the hand-somely finished enclosure are 7 1/16" x 10 1/2" x 22 1/2". It is finished on four sides in walnut or teak. Ercona Corp., 16 W. 46 St., New York, N. Y. User net price \$59.50.

FISHER

• **3-Way Speaker System.** The Fisher XP-4 represents a new approach in loudspeaker design. The conventional metal frame (basket)



supporting the outer edge of the bass speaker cone has been completely eliminated. This structure is often the source of undesirable acoustic feedback, causing uneven frequency response. In place of the metal speaker frame, the Fisher XP-4 utilizes the heavy walls of the cabinet itself. Reflections are eliminated by packing the space behind the bass speaker cone with AcoustiGlass. The XP-4 contains a total of four speakers, a 12-in. woofer with 2-in. voice coil, two 5-in. midrange units (packed with AcoustiGlass to eliminate cone breakup), one 2-in. hemispherical, high-frequency unit which covers an angle of 120 deg. for non-directional treble. Infinitely variable balance controls are provided for mid and high frequencies. Professional type, three-way crossover network uses heavy air coils, and oil-filled capacitors for elimination of distortion of crossover frequencies. Impedance is 8 ohms. Dimensions are 12½" x 24½" x 14¼". It is available in oiled walnut, cherry, mahogany, and unstained birch. Fisher Radio Corp., 2121 44th Drive, Long Island City 1, N. Y. User net price, mahogany, walnut and cherry, \$109.50; unstained birch \$189.50.

XP-1 3-way spkr sys mah \$129.50
XP-2 2-way spkr sys mah 84.50

FRAZIER

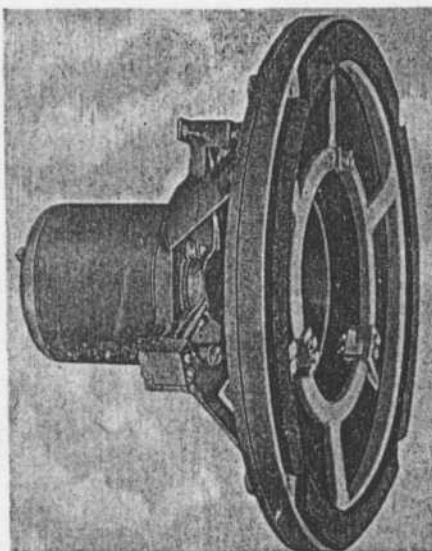
• **F8-3 Speaker System Series.** The Frazier F8-3 series of loudspeakers consists of models having approximately 3-cu. ft. enclosures. The Delmar (F8-3B), the Lexington



I (F8-3E), the Coronado I (F8-3G), and the Black Box I utility model (F8-3X) are all equipped with identical loudspeakers. These consist of a special 8-in. full-range speaker; a 3½-in. cone-type tweeter; and a high-pass filter. Since these assemblies have identical tuning tubes and components, their sound is identical except for the slight loss of high frequencies due to the grille cloth on the finished models. The price differential on these units is dependent entirely on the cabinet cost. Frazier Loudspeakers, 2049 Brenner Drive, Dallas, Texas. User net price, Del Mar, \$89.50; Lexington I, \$99.50; Coronado I, \$89.50 and Black Box I, \$57.00.

GOODMANS

• **Super-quality 8-in. Speaker.** The Axiom 80 (shown) is capable of the highest accuracy of sound reproduction at medium power levels. It has an audio range of 20 to 20,000 cps and a power handling capacity of 12 watts. Flux density is 17,000 gauss. The low-frequency diaphragm of the Axiom 80 is a true "free-edge" suspension, being suspended by three pairs of double-acting cantilevers to produce an extremely low and linear axial stiffness and a powerful radial centering action. Resonance is 20 cps. Ideal for monitoring applications. New Triaxiom series consists of dual-cone low-frequency units with aluminum-diaphragm high-frequency pressure drivers. Three 12" models range from 25 to 45 watts; three 15" models from 30 to 50 watts. Axlette II is economically priced 8" unit covering range from 40 to 15,000 cps and capable of

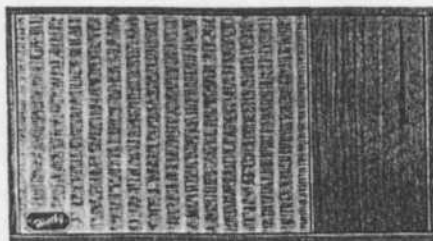


handling 12 watts. Rockbar Corporation, 650 Halstead Ave., Mamaroneck, N. Y. User net price, \$68.50.

Triaxiom series 3-way spkrs ... \$69.50-147.50
Alpha 2-way spkr sys 49.95

HARTLEY

• **Compact Full-Range Speaker System.** The Hartley "Capri" comprises a full-range 10" speaker mounted in a handsome natural wood cabinet which measures 24" w x 13½" h x 12" d. The grill is made of bamboo, adding a note of distinction to the appearance. The driver is the new model 320 which is a paper polymerized adaptation of the model 220



chemical cone speaker. It has a 15,000-line magnet, 8-ohm voice coil, one-piece molded flannel surround, large dome high-frequency propagator attached to the aluminum shorted-turn portion of the voice coil, which is in turn damped and separated from the wound portion of the coil by a polysiloxane coating. Hartley Products Company, Inc., 521 E. 162nd St., New York 51, N. Y. User net price, \$120.00.

Holton Sr., wide-range spkr sys \$245.00
Holton Jr., wide-range spkr sys 195.00
Duo, complete stereo spkr sys 280.00

JANSZEN

• **Speaker System Kit.** Solving the perplexing problems of enclosing electrostatics or of finding a woofer whose efficiency and sound "character" match the electrostatic units, the new JanKit manufactured by Neshaminy Electronic Corp. contains an electrostatic mid- and high-range speaker, its power supply, and a matching woofer—all pre-mounted on a rigid 19½ by 16 inch panel designed for custom installation in a location of your own choosing. Mid- and high-frequency reproduction in the JanKit 41 comes from a JansZen electrostatic speaker whose two push-pull radiators are stated to produce uniform frequency response from 700 to beyond 30,000 cps. Bass is provided by a Neshaminy Model 350 11-inch woofer. This highly compliant speaker is specifically designed to match the JansZen electrostatic and to retain full efficiency down to 30 cps in enclosures as small as 2 cubic feet. Priced at \$99.95 the JanKit 41 comes with complete instructions for building an inexpensive, shelf-type enclosure or for mounting in exist-

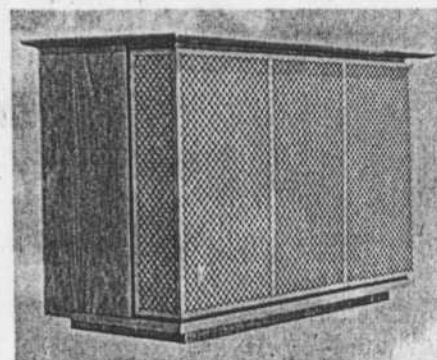


ing cabinets. Neshaminy Electronic Corp., Neshaminy, Penna.

Z400 shelf spkr \$149.50
130M electrostatic spkr mah 1842.00
65M electrostatic spkr mah 89.50

J. B. L.

• **Elegant Speaker Enclosure.** The James B. Lansing C-50 "The Olympus" loudspeaker enclosure exemplifies fine furniture craftsmanship and advanced acoustical engineering. The Olympus is designed to bring out the capabilities of the JBL S7 linear efficiency system. The C-50 will also accept the JBL S6 and S8 systems. The C-50 is available in mahogany, tawny walnut, oiled walnut, Danish teak, and ebony. The S7 system consists of an LE-15A 15-in. woofer, and an LE-85 high-frequency driver which is used

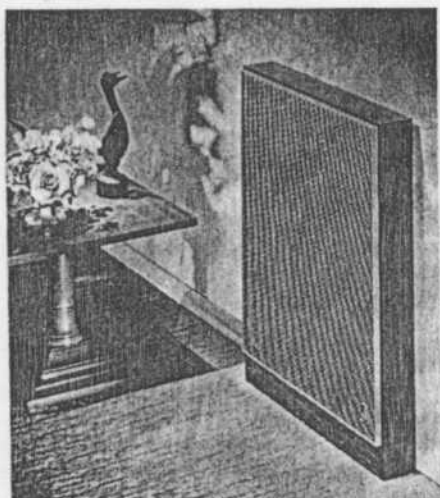


with an HL-91 exponentially tapered, cast-aluminum horn coupled to an acoustic lens. The crossover network, LX-5, crosses over at 500 cps. James B. Lansing Sound Co., Inc. 3249 Casitas Ave., Los Angeles 39, Calif. Price of the Olympus with hand-carved wooden fretwork grille, is \$258.00; with fabric grille, \$198.00.

LE-15A 15-in. woofer \$124.50
LE-85 high-frequency driver 138.00
HL-91 horn-lens assembly 33.00
LX-5 crossover network 72.00

JENSEN

• **Slim Loudspeaker System.** The Jensen 3P/2 is a super-slim panel speaker which is only 3½-in. deep, and can stand on a floor or hang on a wall, and in general fits in with most decors unobtrusively. Dimensions are 28½" x 21¼" x 3½". The case is selected walnut veneer in an oil finish with rattan grille and oak trim strips. The 3P/2 contains five speakers, a 10-in. woofer with a solid foamed plastic cone; an 8-in. M-80 midrange plastic-cone speaker; two TW-40 tweeters; and an E-10 "Sono-Dome" super tweeter. All

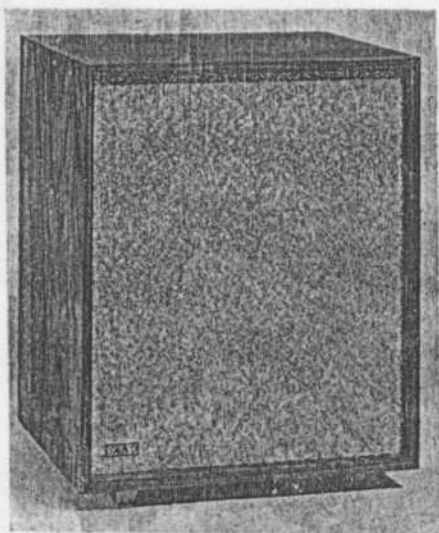


of the speakers have "Polytec" radiators. Jensen Manufacturing Co., 6601 S. Laramie Ave., Chicago 28, Ill. User net price \$139.50.

3P/1 4-way spkr sys	\$119.50
TF3 3-way spkr sys oil walnut	99.50
TR-10 3-way spkr sys mah	119.50
Galaxy III spkr sys mah	229.50

KLH

• **Full-Range Two-Way Speaker System.** Housed in a cabinet measuring 24 3/4" h x 21 1/2" w x 11 3/4" d and supported 1 1/2" above the floor by runners, the volume of the Model 7 is 2.6 cu. ft. The speaker complement is a 12" acoustic suspension woofer and two small cone-type direct radiators operating as rigid pistons over the range from 1500 to 20,000 cps. The use of two such loudspeakers gives a surprisingly large apparent sound source. Low- and high-frequency sections are coupled



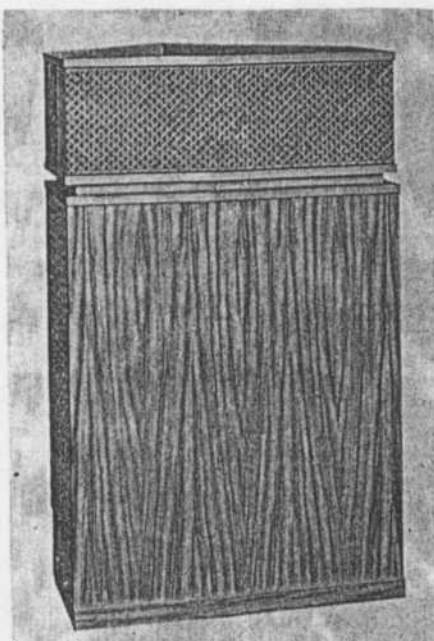
by an LC crossover network at a frequency of 1500 cps. The relative levels of low- and high-frequency sections may be varied $\pm 2\frac{1}{2}$ db to provide some degree of control over different room acoustics. Cabinet shape chosen to fit decors where the longer rectangle shape of the Model Six might not fit. Efficiency is identical with that of Model Six. KLH Research and Development Corp., 30 Cross St., Cambridge, Mass. User net prices: mah, korina, \$196.00; wal, oiled wal, \$203.00; unf wal, \$198.00; unf birch, \$189.00.

4 2-way spkr sys mah	\$224.00
6 2-way spkr sys mah	129.00
9 wide-range electrostatic mah (pr)	1,030.00
10 2-way spkr sys mah	98.00

KLIPSCH

• **3-Way All-Horn Speaker System.** The Klipsch horn employs a folded corner horn

bass unit with straight-axis midrange and tweeter horns. The bass system delivers one acoustic watt output at 32.7 cps, with a maximum diaphragm motion of 1/16-in. assuring very little frequency- and amplitude-modulation distortion. The straight-axis midrange unit affords less than 5 db peak-to-peak ratio over the range of greatest auditory sensitivity. Natural "toe-in" for stereo provides a minimum shift of the virtual sound source for different listening positions over a



wide listening area. Amplifier power requirement is of the order of less than five watts for 120 db intensity (referred to 0.0002 dyne per centimeter), but the speaker is capable of 25 acoustic watts output at 120 electrical watts input of normal program material. Klipsch and Associates, Inc., Hope, Arkansas. Prices range from \$514.00 for the decorator model to \$822.00 for the most expensively finished, exotic hardwoods.

Cornwall wide-range spkr sys ..	\$311.00-408.00
Model H 3-way spkr sys	188.00-221.00

KNIGHT

• **Two-way Speaker System.** The new Knight KN-2S1 is a beautifully styled, very shallow enclosure that fits anywhere, offering almost unlimited placement possibilities in your home. The good reproduction of sound is made possible by the use of specially designed components: a 10-in. high-compliance woofer



with 3/4-in. cone excursion; two 3 1/2-in. direct-radiator tweeters for midrange and a treble; a precision duct. The enclosure with its components and duct are critically tuned for lowest distortion and uniform response. The matching natural beige grill cloth is acoustically transparent to permit free passage of high frequencies. Frequency range of the KN-2S1 is 40 cps to 16,000 cps. Built-in crossover network with level control for adjusting high-frequency response. The crossover point is 2000 cps. Power handling capability up to 30 watts of program material. Impedance is 8 ohms, and the over-all

size is 13 1/2" x 23 3/4" x 6 1/2". The enclosure is finished in an attractive, oiled walnut veneer. Allied Radio Corporation, 100 N. Western Ave., Chicago 80, Ill. User net price \$49.95. Also available in an unfinished, smooth-sanded Korina veneer at only \$44.95.

LAFAYETTE

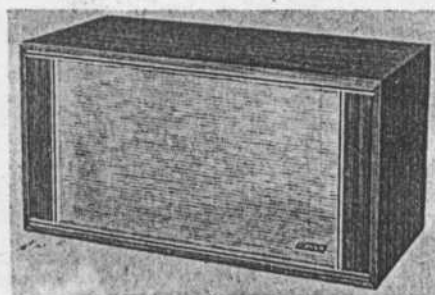
• **10-in. 3-way Speaker.** Designed expressly for use with bookshelf enclosures the Lafayette "Trihellx" Model SK-180, incorporates three completely independent speakers with three separate voice coils in a single compact unit. Although they are individual units, the 2-in. tweeter and 5-in. midrange speakers have been especially designed to complement the 10-in. woofer. In addition, the midrange



and tweeter are completely enclosed by a specially designed baffle. A built-in electrical crossover network with crossover points at 1500 cps and 5000 cps allows each speaker to reproduce its portion of the audio range smoothly and efficiently. Frequency response is 30 cps to 18,000 cps, plus or minus 3 db. Free-air resonance is 35 to 55 cps; impedance is 8 ohms. Power handling capability is 20 watts average program material. Lafayette Radio, 165-08 Liberty Ave., Jamaica 33, N. Y. User net price \$32.50. Lafayette also has available a complete line of speakers and enclosures at all price levels.

MERCURY

• **Compact Speaker System.** Featuring an acoustically sealed enclosure plus an additional airtight compartment with flexible walls which permits the speaker cone to undergo greater excursions, the Mercury Model CR-1 contains a 3-way speaker system specifically designed for its small size. The

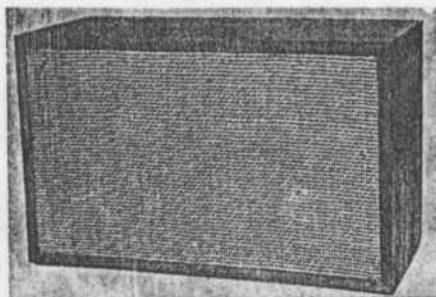


special compartment (called "Doublet") accepts the back pressure from the speakers and radiates it in two directions which are 180 deg. out of phase. Speakers are a 10-in. bi-axial woofer-midrange and a 4-in. tweeter. Enclosure is executed in genuine walnut veneer. Mercury Electronics Corp., 111 Roosevelt Ave., Mineola, N. Y. User net price, \$79.95.

MA-1 "Maestro" 2-way sys	\$59.50
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MONARCH

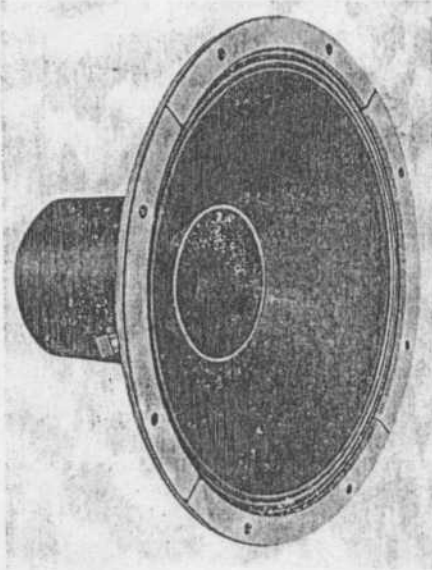
• **Bookshelf Speaker System.** The Monarch Model STS-10S Bookshelf Speaker System employs a foam suspended woofer which permits exceptionally large voice-coil excursions while maintaining linear response. Frequency range is 25 cps to 18,000 cps. A pair of



specially designed cone-type tweeters are also incorporated in a tuned cabinet ducted with plastic tubing, thus reducing unwanted resonance. A level control is provided for the tweeters. Power handling capacity is 30 watts. Unit is finished on the four sides with Swedish walnut. The cabinet is 23½" x 14" x 11¼". Monarch Electronics International, Inc., 7035 Laurel Canyon Blvd., North Hollywood, Calif. User net price is \$69.95.

NORELCO

• **Speaker Series.** Illustrated is Model AD-5277M, the most powerful in the new T-7 series of twin-cone speakers manufactured by Philips of The Netherlands, and featuring Ticonal 7, a high-coercivity alloy which provides the highest possible concentration of flux densities in the voice-coil air gap. Weight for weight, Ticonal 7 is said to be about 30 per cent more powerful than any of the conventional magnet materials used in speaker



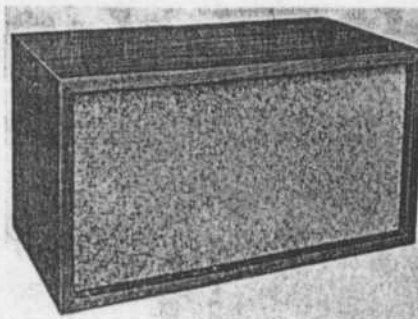
construction. Voice-coil impedance of the new T-7 speakers is held constant throughout the entire frequency range by means of a copper ring fitted into the air gap. The ring acts as a shorted turn which induces a current opposite in polarity to that flowing through the voice coil, which reduces that current, thereby lowering the impedance to its proper level. The resonant frequency of the T-7 speakers is very low, resulting in an extremely straight response curve in the bass region. In addition to the cone for low and middle notes, the speakers are equipped with a high-note cone which extends the upper frequency range. Model AD-5277M is a 12-in. speaker with a frequency range of 35 to 18,000 cps and 20-watt continuous power handling capacity when properly housed. Cone resonance is 45 cps. High Fidelity Products Division, North American Philips

Company, Inc., Hicksville, N. Y. User net price, \$59.50.

AD-4277M 12" spkr	\$39.00
AD-4877M 8" spkr	26.00
AD-3877M 8" spkr	9.90
AD-3690M 6 x 9" spkr	6.20
AD-3500M 5" spkr	4.95

PACO

• **2-Way Semi-Kit Speaker System.** A compact 2-way speaker system, the Model L-2 kit features a factory-built and finished cabinet crafted of furniture-grade plywood. The integrated system incorporates a special design

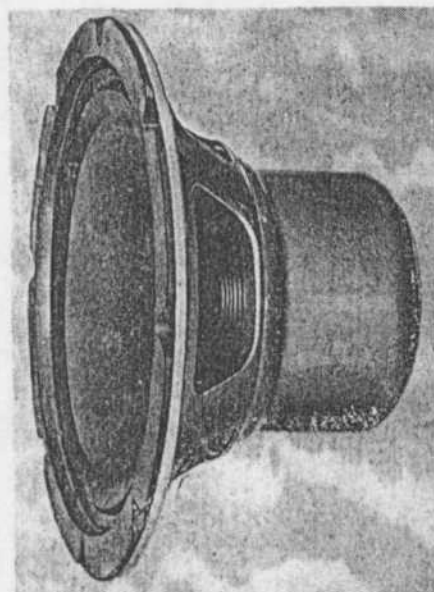


10-inch Jensen long-excursion woofer and a horn-loaded compression tweeter. Low-frequency response is extended by a pre-tuned, tube-loaded port. Frequency range is stated at 45 to 14,000 cps. Impedance is 8 ohms. The compact cabinet, 23" x 13" x 12", is available, unfinished or walnut finish. Paco Electronics Company, 70-31 84 St., Glendale 27, Long Island, N. Y. User net price, \$59.95 unfinished, \$69.95 walnut finish.

L1 bookshelf spkr sys \$24.95

PERMOFLUX

• **"Royal" Speaker Line.** The Permoflux "Royal" speaker line includes 8 and 12-in. speakers in deluxe and standard configurations. The speaker cone in this series is flexible, slotted, and thin at the edge, and coated with a permanently soft and resilient formula which, together with an extra large, low-resonance suspension at the cone apex gives very high compliance. The stiffened cone apex and special voice coil provides a smooth distribution of high frequencies. The Royal Deluxe 12 (shown) has a frequency range from 30 cps to 12,000 cps, and has a power handling capability of 20 watts. The Royal Standard 12 has a frequency range

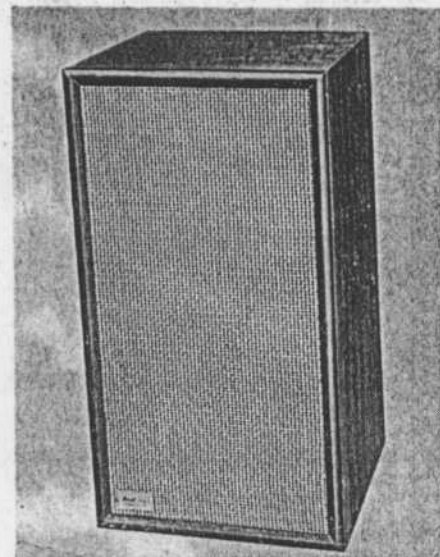


from 40 cps to 12,000 cps, and has a power rating of 15 watts. The Royal De luxe 8 has a frequency range from 45 cps to 14,000 cps

and a power rating of 20 watts, whereas the Royal Standard 8 has a frequency range from 50 cps to 12,000 cps with a power handling capability of 15 watts. The Royal Standard 6 has a frequency range from 60 cps to 10,000 cps, with a power handling capability of 6 watts. All the Royal speakers have an impedance of 8 ohms. Price for the speaker line varies from \$10.00 for the Royal Standard 6 up to \$32.50 for the Royal Deluxe 12. Permoflux Products Company, 1101 San Fernando Rd., Glendale, Calif.

PILOT

• **3-Way Bookshelf Speaker System.** Completely finished on all four sides the Pilot PSV-4 3-way bookshelf speaker system is a handsome addition to any room. The bass is produced by a 12-in. "Air Flex" heavy-duty woofer which is front mounted in an orlon filled enclosure. Two 3½-in. cone-type speakers produce the midrange frequencies. The high frequencies are produced by a specially designed super tweeter. This

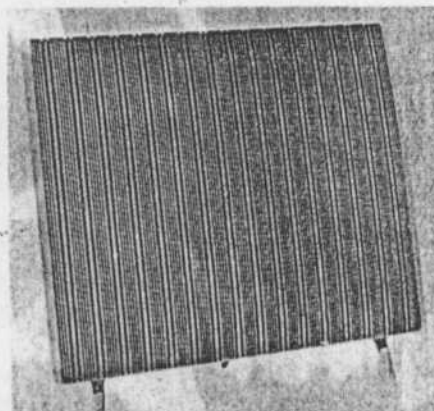


four-speaker combination, plus a crossover network, provides a frequency range from 30 cps to 16,000 cps. Impedance of the system is 8 ohms. Power handling capabilities are 30 watts of program material. Dimensions of the enclosure are 25¼" x 14½" x 12" and it is available in lacquered walnut, oiled walnut, or mahogany. Pilot Radio Corp., 37-06, 36th Street, Long Island City 1, N. Y. User net price \$119.50.

PSV-3 3-way spkr sys \$64.50
PSV-2 3-way spkr sys 69.50

QUAD

• **Full-Range Electrostatic Speaker.** Perhaps the first full-range electrostatic speaker in



the world, this speaker may herald the future for the industry. Completely free standing and non-critical as to placement, it radiates

from both sides in a figure-eight pattern which minimizes reflections from the walls and ceiling. Frequency range of the speaker is 45 to 18,000 cps and its impedance is 16 ohms. Dimensions are 31" high, 34½" wide, 10½" deep at bottom. Manufactured in England, exclusive United States distributor is Electronics of City Line Center, 7644 City Line Ave., Philadelphia 31, Pa. User net price, \$345.00.

RAVENSWOOD

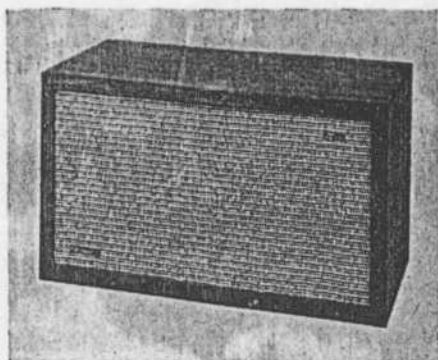
• "Reflection Coupler" Stereo Speaker System. Utilizing a patented "Reflection Coupler" system for achieving stereo spread, the Ravenswood Model M-50 is a complete stereo speaker system in an enclosure measuring only 38" wide x 16¼" high x 6" deep. Power handling capacity of the system is 35 watts of program material and dispersion is 180 deg. The system contains 4 speakers and the impedance is 16 ohms. Ravenswood Division of Annapolis Electroacoustic Corp., 241 West St., Annapolis, Md. User net prices: in oiled walnut enclosure, \$99.95; utility model, \$79.95.

M-500 6-spkr ster sys walnut \$169.95
M-5000 walnut 259.95

R & A

• Coaxial Speaker Series. Manufactured by a well-known British speaker manufacturer, the 700 series Mark IV models are a group of high quality woofer/midrange speakers. Although they vary in fundamental resonance they all provide smooth frequency response up to 18,000 cps. All feature Alcomax III Anisotropic magnet systems with a flux density of 12,000 gauss (10,000 gauss in 5-in. unit). The magnet assembly is easily removable without demagnetization and has zero external field. Power handling capacity is 10,

frequency is 7500 cps and level attenuator is included to permit sensitive balance of the highs. An ON/OFF switch is provided to control the electrostatic element. Frequency range is stated as 30 to 25,000 cps for the system. Power handling capacity is 20 watts,

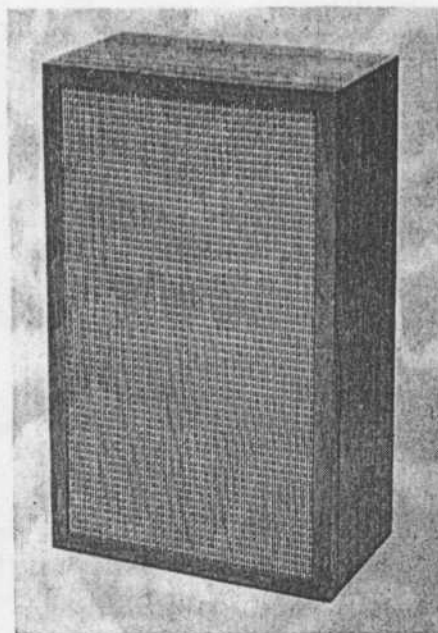


impedance is 8 ohms. In addition the Electrostat-2 is available in a choice of two decorator cabinets: genuine mahogany or imported teak. Radio Shack Corp., 730 Commonwealth Ave., Boston 17, Mass. User net price \$54.95.

Solo I 2-way spkr sys	\$15.95
Solo II 2-way spkr sys	29.50
Solo III 2-way spkr sys	39.95
360.5 thin spkr system	69.95
Electrostat 4 3-way spkr sys	79.95
Electrostat 3 tweeter	19.95

RICH

• Three-way Speaker System. A completely new type of unit which embodies three different and unique transducers, the new Rich

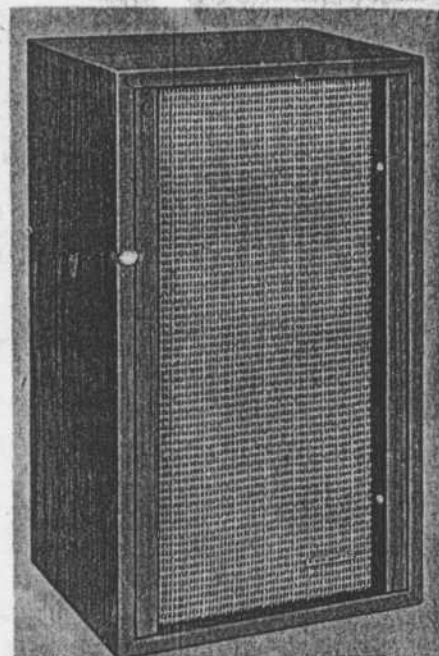


20/20 reproducing system is about 6 db more efficient than other low-efficiency systems. Also the low-frequency load does not require a critical enclosure size and shape as do conventional low-efficiency woofers. Over-all size of the system is 25½" x 16" x 9½". Power handling capacity is 50 watts. Frequency response is plus or minus 8 db from 20 cps to 20,000 cps (including crossover network). Input impedance is 8 ohms. The enclosure is finished in oiled walnut. Bogen and Rich Co., 28 School Street, Yonkers, N. Y. User net price \$200.00.

H. H. SCOTT

• New Loudspeaker Systems. Utilizing a fresh approach to crossover network design, the

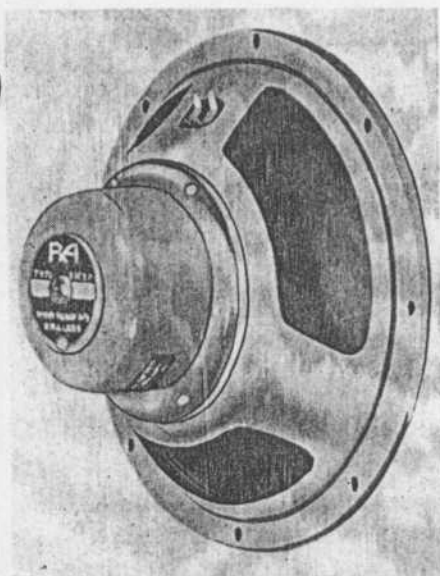
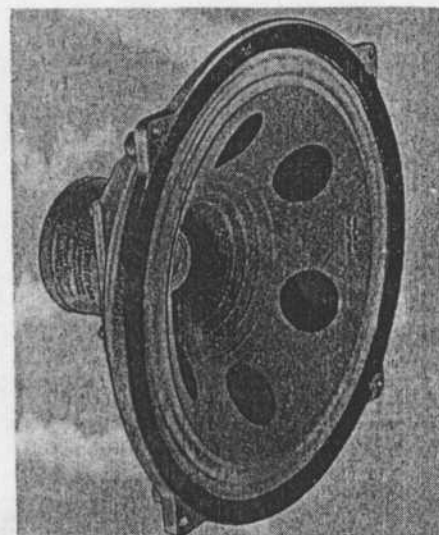
new H. H. Scott loudspeaker systems, the S-2 and S-3 are the culmination of years of experience. The S-3 consists of a low-resonance woofer, a midrange unit, and a super tweeter. The slightly larger S-2 contains a high-compliance woofer of low resonance, two dual-cone midrange speakers, and a special spherical tweeter. Continuous midrange and tweeter controls permit fine adjustment of



each speaker system to the particular acoustic environment and room setting. The speakers have been designed to be used with amplifiers of modest power. H. H. Scott, Inc., Dept. P, III Powder Mill Road, Maynard, Mass. User net price in traditional finishes (east of the Rockies) Model S-2 \$199.95, Model S-3 \$120.95.

STENTORIAN

• 12-inch Extended-Range Speaker. Excellent performance is the key feature in this high-fidelity speaker manufactured by Whitely Electrical Radio Company in England. The model HF1214 has a frequency range of 25 to 14,000 cps with a cone resonance of 39 cps. The 1½-inch diameter voice coil is driven by a 5½ pound Alcomax magnet structure with a flux density of 14,000 gauss. Power handling capacity is 15 watts and voice-coil impedance is 16 ohms. The patented Stentorian cambric cone is used, and the speaker is mounted on an unusually sturdy die-cast, non-resonant



20, 25, and 30 watts respectively for Model 750 (5"), Model 780 (8"), Model 7100 (10"), and Model 7120 (12") speakers. Voice-coil impedance is 8 ohms for all models. Distributed in the United States by Ercona Corporation, 16 W. 46th St., New York 36, N. Y. User net price, Model 750 \$9.95, Model 780 \$14.95, Model 7100 \$16.95, Model 7120 \$18.95.

REALISTIC

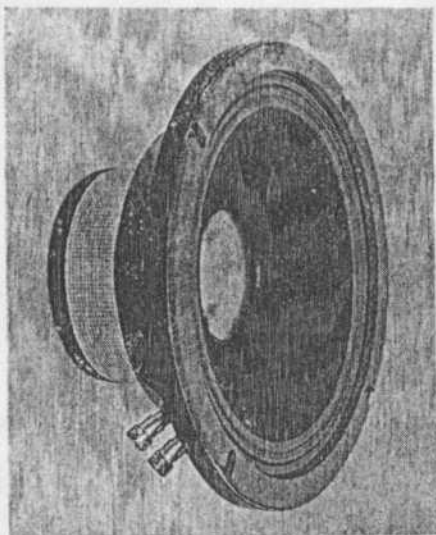
• Electrostat-2 Full-Range Speaker System. Featuring a 4-element electrostatic tweeter, the new Electrostat-2 introduced by Radio Shack of Boston is intended to provide good sound quality at a reasonable price. The highs in this full-range system, as previously indicated, are handled by a 4-element electrostatic tweeter which is placed so that a 120-degree dispersion is achieved. The lows are handled by an 8-inch woofer. Crossover

frame. Distributed in the United States by Barker Sales Co., 339 Broad Ave., Ridgefield, N. J. User net price, \$52.50.

HF1012U, 10" spkr	\$18.95
HF812U, 8" spkr	14.95
T-359, 3½" tweeter	14.95
T-10, tweeter	20.95

STEPHENS

• **Free-Cone Full-Range Speaker.** Although only 8-in. in diameter, the Stephens 80FR achieves big speaker response. An exclusive internal air damping system provides control cushioning to eliminate breakup at extremely high levels. Impedance is 16 ohms (8 ohms optional). Frequency range is 40 cps to 15,000 cps. Free air resonance is 30

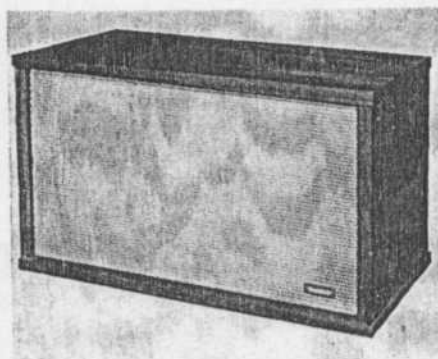


cps. Power handling capabilities are 25 watts of program material, and the voice coil is 2-in. edge-wound aluminum ribbon. Stephens Trusonic, Inc., 8438 Warner Drive, Culver City, Calif. User net price is \$33.50.

120FR 12-in. wide range spkr	\$60.00
150FR 15-in. wide range spkr	87.00
150 CX 15-in. coaxial	129.50
ST102 "Stereo Dot" w tweeters	249.50
RT-1 tweeter	26.50

TANNOY

• **Compact Speaker System.** In keeping with the modern trend towards decreased size, the new Tannoy "Cadet" is a mere 11 x 13½ x 24¼ inches in size. Of course the scant size is not an indication of performance; within its 1½-cubic-foot volume is contained a 10-in. Tannoy dual-concentric loudspeaker



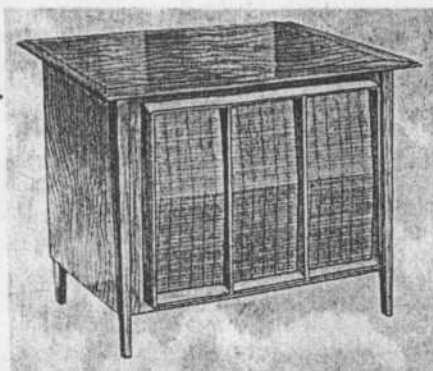
which was designed specifically for an enclosure of this volume. In common with the other Tannoy dual concentrics, this speaker incorporates two completely separate loudspeakers: a horn-loaded high-frequency unit and direct-radiator low-frequency unit. The low-frequency unit has a curvilinear cone, plastic-terminated surround, and the whole unit is dustproofed by means of an acoustically transparent center dome and rear suspension. Although not claimed to have all

the "brawn" of its 12- and 15-in. big brothers, this speaker will provide the extended range coupled with low harmonic distortion for which its elders are already well known. Power handling capability is 20 watts and impedance is 16 ohms. The Cadet is available in oiled walnut at \$145.00. Tannoy (America) Limited, P. O. Box 177, East Norwich, L. I., N. Y.

Dalton w. 12-in. dual conc	\$213.00
Belvedere w. 12-in. dual conc	203.00
'CRF' w. 15-in. dual conc	725.00
15-in. dual conc. w. x-over	179.00
12-in. dual conc. w. x-over	138.00
10-in. dual conc. w. x-over	112.75

UNIVERSITY

• **3-Way Speaker System.** Intended as a bridge between the large speaker systems of the past and the compact of the present, the University Classic II is a 3-way speaker system capable of "big" sound. The system includes a high-compliance 15-in. woofer featuring rigid diaphragm and extremely compliant, soft surround and a massive die-cast frame. Midrange is handled by an 8-in. direct radiator which features a completely enclosed

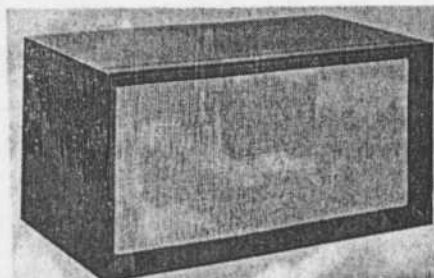


basket, thus protecting it from the effects of woofer-generated pressures inside the cabinet. The tweeter is the well-known University "Sphericon" super tweeter. Frequency range is from 20 cps to 40,000 cps. The Classic II may be used with any high-quality amplifier rated from 10 watts to 60 watts. University Loudspeakers, Inc., 80 S. Kensico Ave., White Plains, N. Y. User net price \$295.00.

Medallion XII 3-way spkr sys mah	\$139.95
RRL-12 12-in. 3-spkr sys mah	119.95
TMS-2 stereo spkr sys mah	258.00
Series 200 high-compl spkrs	
(8-15 in.)	28.00-156.00
Series 100 wide-range spkrs	
(8-15 in.)	16.95-83.00

UTAH

• **Bookshelf Speaker System.** The Utah bookshelf speaker system, SH-1, is only 10" x 10" x 20" and ¾-in. plywood is used throughout. The system is Fiberglas lined as necessary. Bass is reinforced by tuned, ducted reflex ports which have been adjusted to

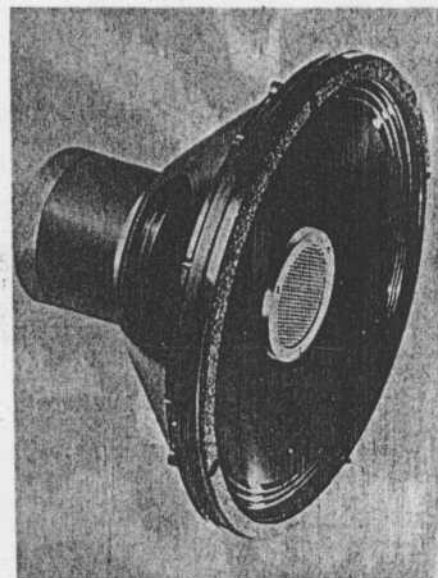


complement the response curve of the 8-in. woofer. The 8-in. woofer-midrange speaker handles frequencies from 38 cps to 4,000 cps. The 2" x 6" tweeter handles frequencies up to 17,500 cps. The power handling capa-

blities are 18 watts. Impedance of the system is 8 ohms. Available in walnut, mahogany or blond finishes. Utah Electronics Corp., Huntington, Ind. User net price \$99.95.

VITAVOX

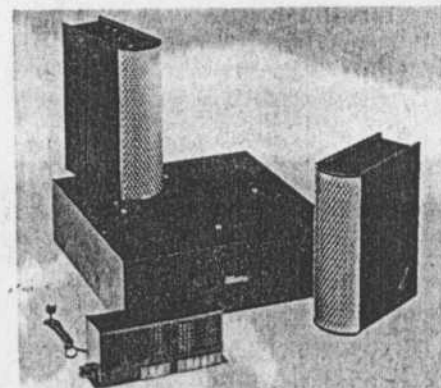
• **Coaxial Speaker.** The Vitavox DU120 coaxial loudspeaker provides full-range reproduction, and incorporates mechanically and electrically independent low- and high-frequency units. Both units are of the direct-radiator, moving-coil type, permitting a broad crossover, and are chosen because of their reliability. The magnets used in the DU120 utilize high-efficiency magnet materials, and are designed to give optimum per-



formance with price as a secondary consideration. The magnet in the low-frequency unit is of the ring type, and provides a constant field throughout the maximum excursion of the voice coil, thus eliminating nonlinear distortion. The high-frequency unit uses a center pole magnet because the cone movement is extremely small. Frequency range is 30 cps to 15,000 cps. Crossover frequency is 2000 Voice resonance is 40/45 cps. Ercona Corp., cps. Power handling capability is 15 watts. Ercona Corp., 16 W. 46 St., New York 36, N. Y. User net price \$89.50.

WEATHERS

• **Triphonic Stereo System.** An unusual approach to stereo speaker design, the Weathers stereo speaker system consists of the non-directional Hideaway Bass and a pair of Harmony stereo speakers. No bigger than an un-



abridged dictionary (11 x 9¼ x 3½ inches) the Harmony stereo speakers have a stated frequency range from 70 to 15,000 cps and have a power-handling capacity of 3 watts. The speaker is a full-range moving-coil type with an impedance of 4 ohms. The Hideaway

(Continued on page 82)

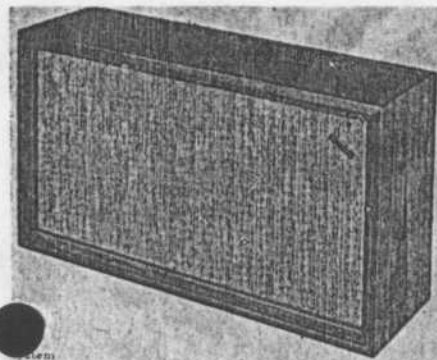
PRODUCT PREVIEW

(from page 64)

may be hidden-out-of-sight under a table, sofa, or behind drapes because of its small size (16½ x 16½ x 5½ inches) and its non-directional characteristic. Frequency range of the speaker is 30 to 80 cps and power handling capacity is 10 watts. Impedance is 8 ohms. Harmony speakers available in ebony or cordova, Hideaway Bass available in ebony. Included in system (SE-60A) is 12 watt amplifier to drive bass speaker. Weathers Industries, 66 E. Gloucester Pike, Barrington, N. J. User net price (complete system), \$169.00. Separately, Hideaway Bass, including amplifier, \$119.50.

WHARFEDALE

• **Compact Speaker System.** The most compact speaker system ever produced by Wharfedale, the W-40 features the famous "Achromatic" principle with the sand-filled panels for rigidity and non-resonance. The size of the system is 24" x 12" x 10", and the speaker complement is the newly developed 8½-in. low-frequency driver with an extremely high-flux-density magnet and which features a



new ¾-in. inverted-roll surround with a double-corrugated disc spider. The tweeter is a 5-in. cone unit. The enclosure is available in oiled walnut, polished walnut, mahogany, or unfinished. The tweeter is sealed in a compartment isolated from the low-frequency unit. British Industries Corporation, 80 Shore Road, Port Washington, N. Y. User net price \$79.50 for furniture-finish enclosure, \$69.50 unfinished.

W60BR 2-way spkr sys (the Provincial) \$134.50
W70BR 3-way spkr sys (Provincial) 189.50

TURNTABLES AND RECORD CHANGERS

AR

• **Single-Speed Turntable.** This turntable is Acoustic Research's first product outside of the loudspeaker field. A single speed (33½-rpm) turntable, it comes complete with arm, oiled walnut base, transparent dust cover, cables, and even an overhang adjustment device and stylus-force gauge. Belt drive, syn-



chronous motor, 3.5-lb. machined, individually balanced aluminum platter. Manufacturer states that a condition of sale is that these turntables meet NARTB specifications for broadcast equipment on wow, flutter, rumble, and speed accuracy. Acoustic Research, Inc., 24 Thorndike St., Cambridge 41, Mass. User net price, \$58.00.

BOGEN

• **Series B Turntables.** Equipped with tone arms and featuring continuously variable speed and automatic cueing, the Bogen Series B turntables, B60 and B61, are similar in



design and differ only in the type of turntable platter used. Thus the Model B60 turntable uses a 3¼-lb. formed steel platter whereas the B61 has a platter made of a 7¼-lb. machined zinc alloy casting. Both models use the modified PA1 transcription tone arm. A convenient lever on the turntable deck automatically lowers or raises the tone arm at any point on the record, thus assuring gentle contact between the stylus tip and the record. Speed may be varied from 29 to 86 rpm continuously by sliding a lever on the deck. There are click-stop positions for the four standard speeds. Bogen, A Division of the Siegler Corp., P. O. Box 500, Paramus, N. J. User net prices: B60, \$49.95; B61, \$59.95.

COLLARO

• **Four-Speed Transcription Turntable.** Manufactured in England, the new Collaro 4-speed turntable, Model 4TR-200, features a dynamically balanced, 8½-lb. non-magnetic turntable platter. The weight is distributed carefully to take advantage of flywheel effect to achieve smooth rotation. The motor is a heavy duty shaded 4-pole induction type



and it is isolated and resiliently mounted by means of three tension springs parallel to the plate. This mounting method tends to eliminate rumble. Flutter is less than 0.04 per cent, wow is less than 0.15 per cent, and rumble is -50 db. Rockbar Corp., 650 Halstead Ave., Mamaroneck, N. Y. User net price, \$49.50.

• **Stereo Record Changer.** The Collaro Model TSC-740 "Coronation II" is a deluxe stereo changer and player equipped with the "Sensimagic" two-piece tone arm and a detachable 5-terminal plug-in head shell. The "Sensimagic" feeler mechanism, synchronized with the tone arm, automatically changes and "finds" the record to be played. The spring-damped and counterbalanced tone arm is designed for minimum record wear. Wow and



flutter are less than 0.25 per cent rms at 33½ rpm. The heavy rim-weighted balanced turntable has an extra-thick rubber mat and is driven by a 4-pole induction motor which is dynamically balanced. Rockbar Corp., 650 Halstead Ave., Mamaroneck, N. Y. User net price, \$42.50.

TSC-640 "Conquest II" \$38.50

DUAL

• **Four-Speed Changer-Turntable.** The new Dual-1006 "Custom" is a combination record changer and turntable offering four-speed operation. The "roller-feeler" record indexing action permits intermixing of any size records for completely automatic operation. A shaded four-pole induction motor is used which goes from rest to correct speed in one-quarter of



a revolution. The platter is laminated and concentrically gridded for increased rigidity. The one-piece tone arm tracks and trips at 1.5 grams and is adjustable for a wide range of tracking forces. The arm has a built-in tracking-force gauge. A lock-in cartridge holder is provided for use with all standard cartridges. With built-in stereo-mono switch. United Audio Products, 202 E. 19th St., New York 3, N. Y. User net price, \$79.95. Wood base, walnut or mahogany, \$6.95.

ELECTRO-ACOUSTIC

• **Four-Speed Turntable-Changer.** Featuring low stylus force (2.5-3 grams) for a record changer, the new Electro-Acoustic 7000 Series provides performance exceeding NARTB

