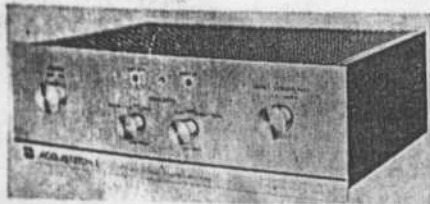


# BASIC AMPLIFIERS

## ACOUSTECH

● **Acoustech I Solid-State Stereo Power Amplifier.** A solid-state stereo power amplifier using silicon output stage (beta cutoff above one megacycle) combined with direct-coupled circuitry (no driver or output transformers) provides excellent transient response. Mil-spec glass-epoxy boards, computer-grade electrolytics, girder construction, cool running and conservative operation of all components. Extensive warranty.



**Specifications:** Freq. resp. 2.5 to 250k cps  $\pm 3$  db at 5 watts output; power bandwidth, 20 to 20k cps; power output, rms, 40 watts per channel; harmonic distortion, 0.95% at 40 watts from 20 to 20k cps; IM distortion, 0.95% at 40 watts; hum and noise, 85 db below 40-watt output; sensitivity, input for rated output, 2.5 volts; damping factor, 25; direct-coupled, meets specs at 8, 16 ohms; controls: on-off, input sensitivity; switches: high and low rolloff; convenience outlets, 1; weight, 20 lbs; dimensions, 15 $\frac{1}{4}$ " wide, 5" high, 12" deep; price, \$395. Acoustech, Inc.

## ALTEC

● **351B Solid-State Power Amplifier.** The 351B is an all transistor utility amplifier which is adaptable to a wide variety of applications. Being of solid-state design it is ideal for remote and unattended locations where an amplifier has to be stowed away on a shelf. Since the 351B draws only 6 watts from the power line at zero signal, it can be left on continuously. Its 70-volt output is for driving music distribution speakers. The 351B features a "dashguard" circuit which gives a visual warning should its output transistors become dangerously overloaded by accidental downward mismatch of output load or short-circuit.

**Specifications:** Freq. resp. 20 to 20,000 cps  $\pm 1$  db; IIF music power output, 50 watts; harmonic distortion, 1.5% at 40 watts from 25 to 10,000 cps; hum and noise, 90 db below 50-watt output; sensitivity, input for rated output, 0.45 volts; damping factor, 7.5; output impedances, 4, 8, 16, 125 (70-v) ohms; controls, level; switches, protective circuit; weight, 15 lbs; dimensions, 9 $\frac{3}{4}$ " wide, 5" high, 9 $\frac{1}{4}$ " deep; price, \$252.00. Altec-Lansing.

1. 356A power amp ..... \$117.00

## DYNA

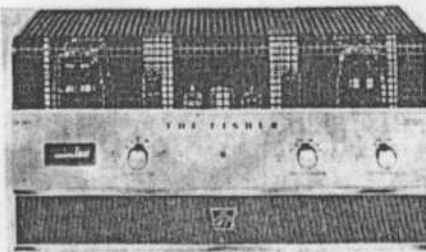
● **Stereo 70/A Stereo Power Amplifier.** Conservatively-operated, high-performance, moderate-power stereo amplifier featuring reliable operation, stability, and sound quality of the highest caliber. Fool-proof adjustment through patented Dyna "Biaset" assures long tube life, and lowest distortion.

**Specifications:** Freq. resp. 10 to 40k cps  $\pm 0.5$  db at 1 watt output; power output, rms, 35 watts per channel; harmonic distortion, 1% at 35 watts,  $\pm 1$  db from 20 to 20k cps; IM distortion, 1% at 35 watts; hum and noise, 90 db below 35-watt output; sensitivity, input for rated output, 1.3 volts; damping factor, 15; output impedances, 4, 8, 16 ohms; controls, dual bias adjust; switches, stereo-mono, power; weight, 32 lbs; dimensions, 13" wide, 6 $\frac{1}{4}$ " high, 9 $\frac{1}{2}$ " deep; price, \$129.95. Dynaco, Inc.

1. Stereo 35/A, 17 $\frac{1}{2}$  watts per channel rms ..... \$79.95  
2. Mark III/A, 60-watt mono amp. .... \$99.95  
3. Mark IV/A, 40-watt mono amp. .... \$79.95

## FISHER

● **SA-1000 150-Watt Stereo Power Amplifier.** The Fisher SA-1000, a 150-watt ultra-linear power amplifier, utilizes the newly-developed 8417 cavity-anode beam power output tubes to provide large amounts of undistorted power throughout the audio spectrum. Excellent response, a high percentage of feedback, extended (780  $\mu$ f) filtering, and a low-impedance silicon-diode power supply help make the SA-



1000 a quality instrument. A professional type of metered balancing and adjustment circuit, and the Fisher hinged control cover, make the SA-1000 pleasing to the eyes and ears of the audiophile.

**Specifications:** Freq. resp. 8 to 50k cps  $\pm 1$  db at 2 watts output; power bandwidth, 8 to 40k cps; IIF music power output, 75 watts per channel; power output, rms, 65 watts per channel; harmonic distortion, 0.25% at 75 watts at 1000 cps; IM distortion, 0.4%; hum and noise, 90 db below 75-watt output; sensitivity, input for rated output, adjustable 0.5-2.0, frequency compensated atten.; damping factor, 17; output impedances 4, 8, 16 ohms; controls, a.c. balance, bias; switches, subsonic filter, input attenuator; weight, 70 lbs; dimensions, 15 $\frac{1}{4}$ " wide, 7 $\frac{3}{4}$ " high, 12" deep; price, \$329.50. Fisher Radio Corp.

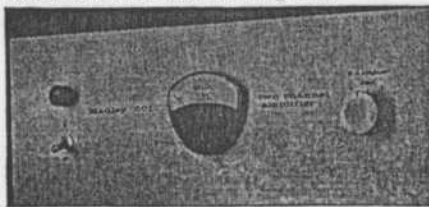
## GOTHAM

● **PFB-150 WD.** The Model PFB 150 WD power amplifier employs 5 balanced push-pull stages. The output transformer is a specially-designed toroid. It is designed for any high-power low-distortion application. The PFB 150 WA variation is used with the Gramplan head in the Gotham-Gramplan disc-cutting system.

**Specifications:** Freq. resp. 20 to 40,000 cps  $\pm 0.5$  db at 10 watts output; power bandwidth, 40 to 15,000 cps; harmonic distortion, 0.7% at 150 watts from 40 to 15,000 cps; IM distortion, 1.0% at 200 watts peak; hum and noise, 100 db below 150-watt output; gain 50 db; damping factor, 40+; output impedances, 8, 16, 32, 93 ohms; controls: gain, 2-db steps; switches: on-off, metering; weight, 107 lbs; dimensions, 19" wide, 10 $\frac{1}{2}$ " high, 11" deep (2 chassis); price, \$615.00. Gotham Audio Corp.

## HADLEY

● **Model 601 Stereo Amplifier.** The Hadley 601 amplifier is a dual amplifier designed for the discriminating listener. Each channel can deliver at least 40 watts from 13 cps to 30,000 cps with total harmonic distortion never exceeding 0.6%. The individual components are of the highest quality. Metallic-film resistors are used throughout, while the power supply embodies computer-grade electrolytic capacitors. All components are run at a fraction of their maximum ratings. Each output transformer weighs 17 lbs. and is encapsulated and sealed in a steel case for long life.



**Specifications:** Freq. resp. 3 to 130,000 cps  $\pm 1$  db at 1 watt output; power output, rms, 40 watts per channel; harmonic distortion, 0.6% at 40 watts from 20 to 20,000 cps; IM distortion, 0.5% at 40 watts; hum and noise, 80 db below 1 watt output; sensitivity, input for rated output, 1 volt; output impedances, 8, 16 ohms; weight, 55 lbs; dimensions, 15 $\frac{1}{4}$ " wide, 6 $\frac{1}{4}$ " high, 12" deep; price, \$319.50 (West). Hadley Labs.

## LEAK

● **Stereo 60 Amplifier.** Engineered for top-level performance, the Leak "Stereo 60" provides sufficient undistorted power to drive any modern speaker system.

**Specifications:** Freq. resp. 20 to 20k cps  $\pm 0.5$  db at 30-watt output; power output, rms, 30 watts per channel; harmonic distortion, 0.1% at 30 watts; hum and noise, 80 db below 30-watt output; sensitivity, input for rated output, 125 mv; damping factor, 25; output impedances 4, 8, 16 ohms; convenience outlets 2; weight 29 lbs; dimensions, 10 $\frac{1}{2}$ " wide, 13 $\frac{1}{4}$ " high, 6 $\frac{1}{4}$ " deep; price, \$219.00. Ercona Corp.

1. "Stereo 20" dual 10-watt rms amp. \$149.00  
2. "TL/50 Plus" mono 50-watt rms amp \$149.00

## MARANTZ

● **Model 8B Stereo Amplifier.** 35-watt-per-channel basic amplifier. Built-in metered test and adjust for plate-current ("bias") and dynamic balance. Exceptionally clean, stable circuit. Highest grade workmanship and parts.

**Specifications:** Freq. resp. 3 to 40,000 cps  $\pm 1$  db at 1 watt output; power bandwidth  $\pm 1$  db, 15 to 40,000 cps; power output, rms, 35 watts per channel; harmonic distortion, 0.5% at 35 watts from 20 to 20k cps; IM distortion, 0.5% at 35 watts; hum and noise, 100 db below 35-watt output; sensitivity, input for rated output, 1.3 volts; damping fac-



tor, 20; output impedances, 4, 8, 16 ohms; controls; bias, balance; switches; bias test; weight, 55 lbs; dimensions, 13 $\frac{1}{4}$ " wide, 7 $\frac{1}{4}$ " high, 10 $\frac{1}{2}$ " deep; price, \$264.00. Cover grille, \$9.00. Marantz Co.

1. Model 9, 70-w single-channel amp... \$384.00  
2. Model 9R, same as above, rack panel mount ..... \$414.00  
3. Model 970, 70-w 8-ohm, 16-ohm, 70.7V ..... \$384.00  
4. Model 970R, same as above rack-panel mount ..... \$414.00

## McINTOSH

● **MC 275 Dual 75-Watt Power Amplifier.** The MC 275 produces a full 75 watts rms continuous power from each channel simultaneously with total harmonic distortion guaranteed less than 0.5% at any frequency from 20 to 20,000 cps.

**Specifications:** Freq. resp. 16 to 60,000 cps  $\pm 0.5$  db at 75 watts per channel output; power bandwidth, 16 to 60,000 cps; power output, rms, 75 watts per channel; harmonic distortion, 0.5% at 75 watts from 20 to 20,000 cps; IM distortion, 0.5% at 75 watts eqv. sine wave power; hum and noise, 90 db below 75-watt output; sensitivity, input for rated output, 0.5 volts; damping factor, 10; output impedances, 4, 8, 16, 600 ohms 25 volt, 70.7 volt; controls: volume; switches, stereo-mono; convenience outlets, 1; weight, 75 lbs; dimensions, 12 $\frac{1}{4}$ " wide, 8" high, 17 $\frac{1}{4}$ " deep; price, \$444.00. McIntosh Laboratories.

1. MC 225 dual 25-watt stereo amp. \$198.00  
2. MC 240 dual 40-watt stereo amp. \$288.00  
3. MC 40, mono 40-watt amp. .... \$159.00  
4. MC 75, mono 75-watt amp. .... \$229.50

## PIONEER

● **MF-90 Monophonic Basic Amplifier.** The Pioneer Model HF-90M is a power amplifier with a maximum output of 100 watts. It uses a pair of EL34/6CA7 output tubes operating in an efficient Class-B push-pull circuit, to provide a large and stable output. The HF-90M is recommended for use in applications such as theaters or large auditoriums.



**Specifications:** Freq. resp. 20 to 30,000 cps  $\pm 1$  db at 0.5 watts output; IIF music power output, 100 watts per channel; power output, rms, 70 watts per channel; harmonic distortion, 1% at 70 watts from 40 to 20,000 cps; IM distortion, 1% at 70 watts; hum and noise, 75 db below 70-watt output; sensitivity, input for rated output, 0.9 volts; output impedances, 4, 8, 16 ohms; level control; 1 convenience outlet; weight, 26 $\frac{1}{4}$  lbs; dimensions, 14 $\frac{1}{4}$ " wide, 7 $\frac{1}{4}$ " high, 3 $\frac{1}{4}$ " deep. Pioneer Electric Corp.

1. HF-90MH—Identical to above, except with 200-ohm output.

# BASIC AMPLIFIER KITS

## DYNAKIT

• **Stereo-35 Power-Amplifier Kit.** A high-performance low-power amplifier with a circuit utilizing a combination of positive and negative feedback. The output transformers are of a caliber normally associated with much more expensive amplifiers. Easy to build, requiring only 3 hours, and requiring no instruments or adjustments. Preassembled etched circuit boards speed assembly and eliminate wiring errors. Compact, low profile design matches Dyna preamps and tuners.

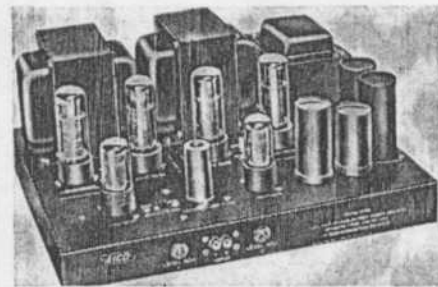


**Specifications:** Freq. resp. 20 to 20k cps  $\pm 0.25$  db at 1 watt output; power bandwidth, 15 to 35k cps; IHF music power output, 23 watts per channel; power output, rms, 17.5 watts per channel; harmonic distortion, 1% at 35 watts ( $\pm 1$  db) from 20 to 20k cps; IM distortion, 1% at 35 watts; hum and noise, 80 db below 35-watt output; sensitivity, input for rated output, 1 volt; damping factor, 10; output impedances, 8, 16 ohms; weight, 16 lbs; dimensions, 13" wide, 4" high, 5 1/2" deep; price \$59.95. Dynaco, Inc.

1. Stereo 70, 35-watt rms each channel \$99.95
2. Mark III, 60-watt rms mono amp ... \$79.95
3. Mark IV, 40-watt rms mono amp ... \$59.95

## EICO

• **HF89A 100-watt Stereo Power Amplifier Kit.** Each power amplifier section of the HF89, employed cathode-coupled phase-inverter-driven circuit, preceded by a direct-coupled voltage amplifier. Fixed-biased, push-pull EL34's are used in the output stage and provision is made for both bias and d.c.-balance adjustments. Silicon diode rectifiers provide very good regulation.



**Specifications:** Freq. resp. 5 to 100k cps  $\pm 0.5$  db at 2 watts output; power bandwidth, 15 to 100k cps; power output, rms 50 watts per channel; harmonic distortion 1% at 50 watts from 20 to 20k cps; IM distortion, 0.5% at 100 watts; hum and noise 80 db below 1 watt output; sensitivity, input for rated output, 0.55 volts; damping factor, 12; output impedance, 4, 8, 16 ohms; controls, level set, bias, d.c. bal.; switches, on-off; convenience outlets, 2; weight 40 lbs; dimensions, 15" wide, 6" high, 11" deep; price, \$99.50. Accessories, matching metal enclosure, E-8, \$4.50. EICO Electronic Instrument Co.

1. HF-87A 70-w stereo amp kit ..... \$74.95

## FISHER

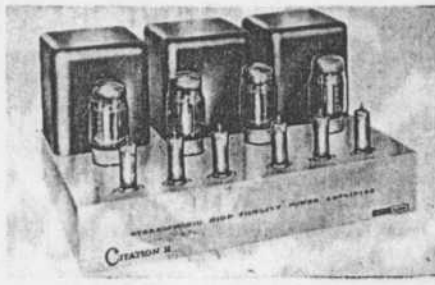
• **K-1000 "Stratakit" 150-Watt Stereo Power Amplifier.** The K-1000 is the kit version of the SA-1000, and is in all respects the same. In spite of its engineering sophistication, the K-1000 is quickly and easily assembled, providing an opportunity for even the neophyte constructor to achieve success retaining the quality inherent in the design. Since a profes-

sional type of meter is supplied, adjustments can be made by the user without need for other instruments.

**Specifications:** See SA-1000 specifications, Basic Amplifier category. Price, \$279.50. Fisher Radio Corp.

## HARMAN-KARDON

• **Citation II 120-Watt Stereo Power Amplifier.** Providing a peak power of 200 watts, the Citation II can reproduce frequencies as low as 5 cps with very low phase shift; frequencies as high as 150,000 cps with no evidence of instability or ringing. Feature: video output pentodes to assure extremely wide response and low distortion; multiple feedback loops; power supply consisting of 4 silicon diode rectifiers, choke, heavy duty electrolytics and potted transformer; military-type terminal boards and special cable harness to assure kit builder that his unit will be exact duplicate of factory-built instrument.



**Specifications:** Freq. resp. 2 to 150,000 cps,  $+0, -1.0$  db at 10 watts output; power bandwidth, 18 to 60,000 cps; power output, rms, 60 watts per channel; harmonic distortion, 0.5% at 60 watts from 20 to 20,000 cps; IM distortion, 0.5% at 60 watts; hum and noise, 90 db below 60-watt output; sensitivity, input for rated output, 1.5 volts; damping factor, 18; output impedances, 4, 8, 16 ohms; controls: (4) d.c. bias adjust, (2) a.c. balance pots; switches: balance; convenience outlets, 1; weight, 75 lbs; dimensions, 16 1/2" wide, 9" high, 11 1/2" deep; price, \$179.95. Metal enclosure, \$7.95. Harman-Kardon, Inc.

1. Citation V, 80-watt stereo power amplifier kit ..... \$119.95

## HEATHKIT

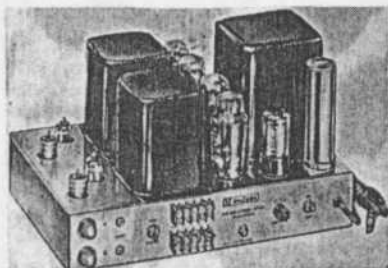
• **80-Watt Stereo Power Amplifier, Model AA-121.**

**Specifications:** Freq. resp. 6 to 25k cps  $\pm 1$  db at 1 watt output; power bandwidth, 10 to 40k cps; IHF music output, 49 watts per channel; power output, rms, 40 watts per channel; harmonic distortion, 1.5% at 80 watts from 20 to 20k cps; IM distortion, 0.5% at 80 watts; hum and noise, 85 db below 40-watt output; sensitivity, input for rated output, 1.0 volts; damping factor, 16; output impedances, 4, 8, 16, 32 ohms; controls: bias balance, bias voltage, level; switches; function, phase, on-off; convenience outlets, 2; weight, 39 lbs; dimensions, 15" wide, 7 1/4" high, 11" deep; price, \$79.95. Heath Co.

1. AA-111, 28-watt stereo power amp. \$44.95

## KNIGHT-KIT

• **KB-85 70-Watt Stereo Basic Amplifier Kit.** Extremely wide frequency response at full rated power and a large amount of reserve power. Premium quality parts are used throughout. It is highly sensitive, 0.54 volts per channel, and utilizes printed circuit construction.

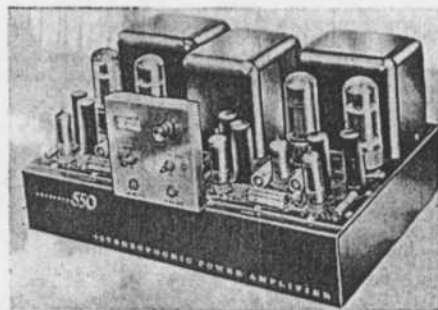


**Specifications:** Freq. resp. 15 to 31,000 cps  $\pm 0.5$  db at 70 watts output; power output, rms, 35 watts per channel; harmonic distortion, 0.25% at 70 watts; IM distortion, 0.15% at 70 watts; hum and noise, 90 db below rated output; sensitivity, input for rated output, 0.54 volts; output impedances, 4, 8, 16,

and 32 ohms; controls; (2) level, (3) balance; switches: mono-stereo, off-on; convenience outlets, 2; weight, 39 lbs; dimensions, 14" wide, 8 1/2" high, 9" deep; price, \$69.95. Case, \$6.50. Allied Radio.

## LAFAYETTE

• **KT-550 100-Watt Stereo Amplifier Kit.** A high-quality high-powered amplifier utilizing military construction techniques. The kit is easy to assemble and contains bias and balancing provisions.



**Specifications:** Freq. resp. 14 to 45,000 cps  $+0, -1$  db at 50 watts output; power output, rms, 50 watts per channel; harmonic distortion, 0.75% at 50 watts from 20 to 20,000 cps; IM distortion, 0.5% at 50 watts; hum and noise, 90 db below 50-watt output; sensitivity, input for rated output, 1 volt; damping factor, 15; output impedances, 4, 8, 16 ohms; controls: bias, high-power balance; switches: on-off; convenience outlets, 1; weight 60 lb; dimensions, 17" wide, 8 1/2" high, 12 1/2" deep. Price, \$134.50. Lafayette Radio.

## H. H. SCOTT

• **LK-150 150-Watt Stereo Power Amplifier Kit.** Matched 8550 output tubes, rated at 100 watts, are used well below manufacturer's ratings to assure long operating life. Switchable subsonic filter permits the use of the LK-150 for laboratory applications where response below 5 cps is required. Input sensitivity is switchable between 2.5 volts (for the LC-21 and other Scott preamplifiers) and 1.5 volts for preamplifiers with lower output.

**Specifications:** Freq. resp. 4 to 65k cps  $\pm 1$  db at 10 watts output; power bandwidth, 19 to 25k cps; IHF music power output, 65 watts per channel; power output, rms, 60 watts per channel; harmonic distortion, 0.5% at 65 watts from 20 to 20k cps; IM distortion, 0.5% at 72 watts; hum and noise, 90 db below 1 watt output; sensitivity, input for rated output, 1.5 or 2.5 volts; damping factor, 16; output impedances, 4, 8, 16 ohms; controls: bias adjust with built in meter; switches: on/off, sensitivity, subsonic filter; convenience outlets, 1; dimensions, 15" wide, 6 1/2" high, 11 1/4" deep; price, \$179.95. Cover, \$19.95. H. H. Scott, Inc.

# PREAMPLIFIERS

## ACOUSTECH

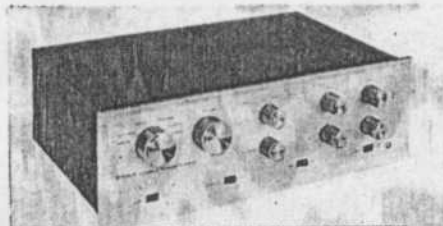
• **Acoustech II Solid-State Stereo Control Center.** High-quality performance and features are combined in a unit both easy to use and handsome in appearance. Features include a stepped decade level control which provides exact matching (within 1/4 db) boost or cut. A micro-level allows fine adjustment within 2-db steps. Muting switch reduces sound level about 20 db when changing records manually, answering phone, and so on. Appearance similar to Acoustech I.

**Specifications:** Inputs: Mag 1, Mag 2, Lo Mag 2, Hi Mag 3, Tuner, Aux 1, Aux 2; controls: stepped level, input, dual-stepped tone, mode, balance; switches: Muting, Scratch, Rumble, Tape Monitor, Loudness, Power, Equalization, Speaker; outputs: two main, 100 ohms, 13 max. volts; recording, 1500 ohms, 0.4 volts; freq. resp. 1 to 100k cps at 2.5 volts; harmonic distortion, 0.2% at 2.5 volts from 20 to 20,000 cps; IM distortion, 0.2% at 2.5 volts; sensitivity, input for 1 volt output, phono, 0.28 mv, tuner, 0.45 volts; hum and noise, 65 db below 2.5-volt output. Weight, 18 lbs; dimensions, 15 1/2" wide, 5" high, 12" deep. Price, \$348.00, includes cover, cables. Acoustech, Inc.



## DYNA

• **PAS-3/A Stereo Preamp.** A high-performance high-feedback stereo preamplifier having full flexibility for the hobbyist and exceptional ease of operation for the distaff side.

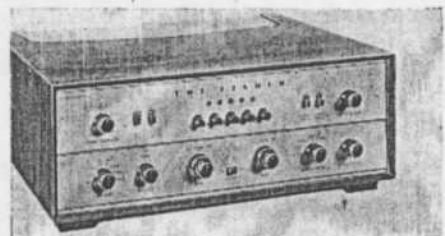


**Specifications:** Inputs: Special (low level), phono, tape head, tape FM-AM, monitor FM-MPX, Spare (high level); controls: selector, volume, balance, blend, bass and treble on each channel; switches: power, filter, monitor, loudness compensation; outputs: main, 5k ohms, 2 max. volts; recording 0.5 volts; freq. resp. 10 to 40k cps  $\pm 0.5$  db at 2 volts; harmonic distortion, 0.05% at 2 volts from 20 to 20k cps; IM distortion, 0.05% at 2 volts; sensitivity, input for 1 volt output, phono, 1 mv, tuner, 0.1 volts; hum and noise, 74 db below 10 mv input. Weight, 12 lbs; dimensions, 13" wide, 4" high, 8" deep. Price, \$109.95. Dynaco, Inc.

1. PAS-2/A stereo preamplifier ..... \$99.95
2. PAM-1/A mono preamplifier ..... \$59.95

## FISHER

• **400-CX Stereo Master Audio Control.** The Fisher 400-CX is a high-quality preamplifier styled for the home. It provides wide flexibility, with 28 controls and 18 inputs. A stereo dimension control widens or narrows the apparent acoustic distance between stereo speakers. Included in the 400-CX are facilities for direct tape monitoring without changing cable connections, separate high and low input level controls, and provision for attaching remote control. A jewel light indicator system enables the listener to determine the input source.



**Specifications:** Inputs: Mag 1, Mag 2, Tape Hd., Tape Amp., Aux 1, Aux 2; controls: Master Volume, Center Chan. Volume, Balance, Treble (2), Bass (2), Stereo Dimension (separation); switches: Input Selector, Low-Level Equalizer, Hi Low Filters, Phase Rev, Loudness Contour, Mono-Stereo; outputs: main, 30 ohms, 2.5 max. volts; recording, 5k ohms; freq. resp. 20 to 20k cps  $\pm 0.5$  db at 2.5 volts; harmonic distortion, less than 0.04% at 2.5 volts at 1 kc; IM distortion, 0.1% at 2.5 volts; sensitivity, input for 2.5-volt output, phono, 1.5 mv, tuner, 0.2 volts; hum and noise, 80 db below 2.5-volt output. Weight, 18 lbs; dimensions, 15 1/2" wide, 4 13/16" high, 12" deep. Price, \$199.50. Walnut and mahogany cabinets, \$24.95; metal cabinet, \$15.95. Fisher Radio Corp.

## HARMAN-KARDON

• **Citation 1 Stereo Control Center.** Vacuum tube stereo preamplifier with extremely flat response to 80,000 cps and special feedback-loop circuitry. Results in low distortion and phase shift. Features: step-tone tone controls; silicon diode power supply for B- and filament regulation; inputs and facilities for most stereo and mono applications.

**Specifications:** Inputs: (4) Phono, (2) Tape, (2) Tape Mon, (2) Aux, (2) Tuner, (2) Tape Head; controls: Blend, Separate Equalization, Separate Tone, Loudness, Balance; switches: Function, Phasing, Tape Monitor, third-channel, contour, hi & lo-cut filters; outputs: main, low ohms, 10 max. volts; recording, low ohms, 2 volts; freq. resp. 5 to 80,000 cps  $\pm 0.5$  db at 1.75 volts; harmonic distortion, 0.05% at 2 volts from 20 to 20k cps; IM distortion, 0.05% at 2 volts; sensitivity, input for 1 volt output, phono, 2.5 mv, tuner 0.5 volts; hum and noise, 85 db below 2-volt output. Weight, 32 lbs; dimensions, 14 1/2" wide, 6" high, 12 1/4" deep. Price, \$249.95. Walnut enclosure, \$29.95. Harman-Kardon.

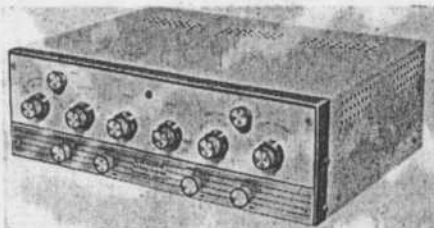
## HADLEY

• **Model 621 Solid-State Preamp.** The Hadley Model 621 is a completely solid-state stereo-phonographic preamplifier. All components are of the highest quality, including a triple shielded power transformer. Eleven-position switches are used in the tone control circuits to provide setting repeatability.

**Specifications:** Inputs: Mic, phono, tape-head, FM-mpx, FM-AM, TV, aux; controls: tone, bal, vol., sep. bass, sep. treble; switches: power, input sel., mode, equal.; outputs: (4) to amp, (2) to tape rec.; freq. resp. 5 to 100k cps  $\pm 0.5$  db; harmonic distortion, 0.15% at 2 volts from 13 to 30,000 cps; IM distortion, 0.2% at 1.5 volts; sensitivity, input for 2 volt output, phono, 1.5 mv, tuner, 0.25 volts; hum and noise, 85 db below 2 volt output. Dimensions, 15" wide, 4 1/2" high, 8" deep. Price, \$319.50 (West). Hadley Labs.

## LAFAYETTE

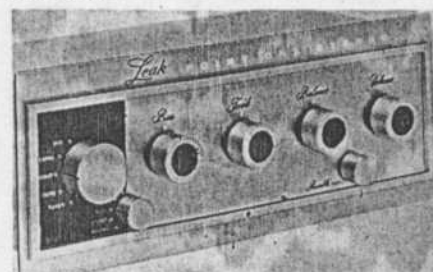
• **LA-600A Stereo Preamp.** The LA-600A is a "no-compromise" preamp with twelve input jacks (six pairs) for program sources of any type or level.



**Specifications:** Inputs: mag. phono, ceramic phono, tape head, tuner, aux; controls: rolloff, turnover, 2 pair bass and treble, bridge; switches: on-off, tape monitor, rumble filter, scratch filter, presence, loudness, function; outputs: main, 1500 ohms, 4 max. volts; recording, 2700 ohms, 2 volts; freq. resp. 5 to 40,000 cps  $\pm 1$  db; harmonic distortion, 0.1% at 2 volts from 30 to 15,000 cps; IM distortion, 0.05% at 2 volts; sensitivity, input for 1-volt output, phono, 2.2 mv, tuner, 0.094 volts; hum and noise, 80 db below 2-volt output; weight, 16 lbs; dimensions, 14" wide, 4 13/16" high, 11 1/2" deep. Price, \$134.50. Lafayette Radio.

## LEAK

• **"Point One" Stereo Preamp.** Decorator-designed, the front panel offers changeable color panels for both faceplate and knobs, enabling the user to match the color decor of any room. The escutcheon plate is interchangeable with the plate of older models, permitting 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.



**Specifications:** Inputs: record, tape, mike, tuner, tape head; controls: bass, treble, balance, volume, rumble filter; switches: function (3 position), input; freq. resp. 20 to 20k cps; harmonic distortion 0.01% at 125 mv; IM distortion 0.01% at 125 mv; sensitivity, input for 125-mv output, phono 3.5 mv, tuner 35 mv; hum and noise, 60 db below 125 mv output; dimensions: 10 1/2" wide, 3 3/4" high, 5" deep. Price \$119.50. Ercona Corp.

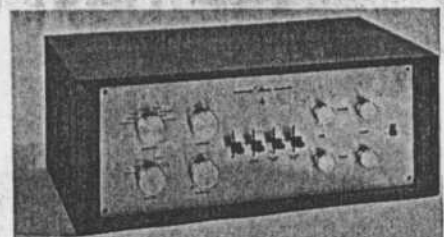
1. Varislope II professional preamp ... \$149.00

## MARANTZ

• **Model 7 Stereo Console.** The Model 7 is a stereo control center with sufficient built-in flexibility to make it "up-to-date" for a long time to come. In addition it is built to last that long, using the professional cabling and other construction techniques common to Marantz products.

**Specifications:** Inputs: mike, phono 1 and 2, tape head, FM-AM, FM-mpx, tape, TV, aux;

controls: mode, selector, vol., balance, treble, bass, switches: on-off, hi and low cut, boost, tape monitor, record equal.; outputs: main, cathode follower, 15 max. volts; freq. resp. 20 to 20k cps  $\pm 0.5$  db at 15 volts; IM distortion, 0.15% at 10 volts; sensitivity, input for



1 volt output, phono 0.5 mv, tuner, 0.075 volts; hum and noise, 80 db below 10 mv input. Weight, 15 lbs; dimensions, 15 1/2" wide, 5 3/4" high, 7" deep. Price, \$264.00, wooden cabinet, \$24.00, Marantz Company.

## McINTOSH

• **C28 Stereo Preamp.** The latest in McIntosh stereo control preamplifiers featuring the new McIntosh "PANLOC" mounting method.

**Specifications:** Inputs: Mag Phono 1 & 2, Tuner 1 & 2, Aux, Tape Hd., Mike; controls: Vol, Mode, Input, Loudness, Bass and Treble, Tape Jack, Balance, High F & Low F Filters, Record Comp; outputs: main, 20 max. volts;



freq. resp. 20 to 20,000 cps  $\pm 0.5$  db at 2.5 volts; harmonic distortion, 0.5% at 2.5 volts from 20 to 20,000 cps; IM distortion, 0.5% at 2.5 volts; sensitivity, input for 1 volt output, phono, 0.8 mv, tuner, 0.1 volts; hum and noise, 85 db below 2.5-volt output. Weight, 16 lbs; dimensions, 16" wide, 5 7/16" high, 13" deep. Price \$179.00. McIntosh Labs.

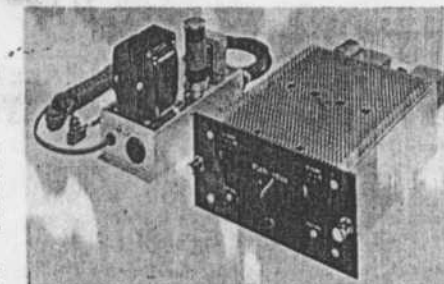
1. C11 stereo preamplifier ..... \$229.00
2. C20 stereo preamplifier ..... \$269.00

## SHURE

• **SE-1 Stereo Transcription Preamplifier.** Designed, especially for stereo broadcasting, recording studio, mastering room playback, and related applications where the highest quality of disc reproduction is required. The Model SE-1 provides precise RIAA equalization from magnetic phono reproducers at line levels. It features separate high- and low-frequency response trimmers on each channel and includes a flat position for calibration checks and special applications. Its performance meets the most critical standards with exceptionally low distortion, noise level, and susceptibility to stray r.f. fields.

**Specifications:** Inputs: 47,000-ohm phono input; controls: separate High and Low trimmers on each channel; switches: Hi-Pass, Low-Pass, Flat RIAA, on-off; outputs: main, 600 or 150 ohms; freq. resp. 30 to 15,000 cps  $\pm 1$  db at +15 dbm; harmonic distortion, 1% at +15 dbm from 50 to 10,000 cps; hum and noise, 64 db below 4 dbm output. Preamplifier requires an opening 7-in. long by 3 3/4-in. wide by 11-in. deep. Power supply requires 6-in. wide by 11-in. long by 6-in. high. The on-off switch has a 3/4-foot cable and can be located through a 1/2-in. mounting hole. Shure Bros.

(Continued on page 34)



# PRODUCT PREVIEW SECTION

(from page 30)

## PREAMPLIFIER KITS

### DYNAKIT

• **PAS-2 Stereo Preamplifier kit.** Low-cost, high-performance, highly-flexible feedback-design control center. Noteworthy for ease of construction through simplified circuitry and the use of preassembled etched circuit boards. Average construction time six hours.



**Specifications:** Inputs; phono, tape head, FM-AM, special (low level), FM-MPX, Spare (high level); controls; selector, volume, balance, blend, individual left and right bass and treble; switches: power, filter, monitor, loudness compensation; outputs: main, 5000 ohms, 2 max. volts; recording, 0.5 volts; freq. resp. 10 to 40k cps  $\pm 0.5$  db at 2 volts; harmonic distortion, 0.05% at 2 volts from 20 to 20k cps; IM distortion, 0.05% at 2 volts; sensitivity, input for 1 volt output, phono, 1 mv, tuner, 0.1 volts; hum and noise, 74 db below 10-mv input. Weight, 11 lbs; dimensions, 13" wide, 4" high, 8" deep. Price, \$59.95. PK-30 deluxe panel mount kit, \$13.95. Dynaco, Inc.

1. PAS-3 stereo preamplifier kit ..... \$69.95
2. PAM-1 mono preamplifier kit ..... \$34.95

### EICO

• **ST 84 Stereo Preamplifier Kit.** For all functions of the ST 84 all types of distortion are down to 0.05% at all levels. This is true not only at average input levels and when tone controls are set close to flat, but also at peak input levels and when tone controls are set at extreme positions.



**Specifications:** Inputs: mag ph 1, mag ph 2, tape hd, mic, tuner, (3) aux; controls: level, balance, bass chan 1, bass chan 2, treble chan 1, treble chan 2; switches: input, mode, tape mon, loudness, scratch filter, rumble filter; tape speed equal'n; outputs: main 8k ohms, 4 max. volts; recording, 1400 ohms, 4 volts; freq. resp. 5 to 25k cps  $\pm 0.3$  db at 2 volts; harmonic distortion, 0.05% at 2 volts from 20 to 20k cps; IM distortion 0.04% at 2 volts; sensitivity, input for 1 volt output, phono 1.6 mv, tuner, 0.17 volts; hum and noise 70 db below 1 volt output. Weight 8 1/2 lbs; dimensions, 15 1/2" wide, 5 1/2" high, 8 3/4" deep. Price \$59.95. EICO.

1. HF 85 stereo preamp ..... \$39.95

### HARMAN-KARDON

• **Citation A Solid State Stereo Control Center.** The Citation A features response to 1 mc with unmeasurable distortion and excellent phase linearity; 7 stages of gain mounted on separate, slide-out glass epoxy modules stabilized against extreme temperature variations; excellent square wave response with a rise time of less than one microsecond; Zener diode power supply. Kit is supplied with modules completely wired and tested at the factory. Separate bass and treble controls for each channel are electrically out of the circuit in the "flat" position.



**Specifications:** Inputs; Tape Hd, Tape Amp, (3) Phono, Aux, Tuner; controls: Blend, Balance, Separate Bass and Treble, Center Channel; switches: on/off, Function, Mode, Contour, Reverse, Hi & Lo Filters, Tape Turnover, Record Turnover & Rolloff; outputs: main, low ohms, 6 max. volts; recording, low ohms, 2 volts; stereo headphones, 8 a.c. receptacles; freq. resp. 1 cps to 1 mc  $\pm 0.25$  db at 2 volts; harmonic distortion, unmeasurable at 2 volts from 20 to 20,000 cps; IM distortion, 0.05% at 2 volts; sensitivity, input for 1 volt output, phono, 1.5 mv, tuner, 0.25 volts; hum and noise, 85 db below 2-volt output. Dimensions, 14 1/2" wide, 5 1/2" high, 7" deep. Price, \$269.95. (Assembled, \$350.00.) Walnut enclosure \$20.00. Harman-Kardon, Inc.

1. Citation I stereo preamp kit ..... \$159.95
2. Citation IV stereo preamp kit ..... \$119.95

### HEATHKIT

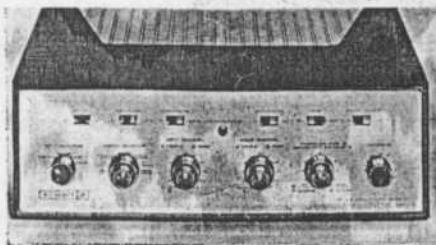
• **Stereo Preamplifier Model AA-11.** Nine push-buttons select basic functions on the front panel while secondary controls are out of sight behind fold-down panel.

**Specifications:** Inputs: Phono, Tapehead, Mic, mpX, Aux, AM; controls: Volume, Bass, Treble, Blend, Balance, Input level; switches: Scratch filter, rumble filter, stereo-mono, channel reverse, phase reverse, selector; Outputs: main, 4k ohms, 2.5 max. volts; recording 780 ohms, 0.5 volts; freq. resp. 10 to 30k cps  $\pm 2$  db at 2 volts; harmonic distortion, 0.05% at 2.5 volts from 20 to 20k cps; IM distortion, 0.09% at 2.5 volts; sensitivity, input for 2.5-volt output, phono, 2.5 mv, tuner 0.1 volts; hum and noise, 65 db below 2.5-volt output. Weight, 19 lbs; dimensions, 15 1/2" wide, 5 5/16" high, 11 1/2" deep. Price, \$84.95. Heath Co.

1. AA-141A stereo preamplifier ..... \$34.95

### H. H. SCOTT

• **LC-21 Stereo Control Center Kit.** Extremely low distortion and hum, even with magnetic inputs due to the all-aluminum chassis, shielded power supply, and d.c.-heated tubes. The LC-21 can be used for laboratory applications where frequency response below 10 cps is desired. Among the 16 front panel controls are complete tape monitor switching facilities, front panel derived-center-channel level control, and phase reverse switch.



**Specifications:** Inputs: Mag Hi, Mag Lo, Tape, Extra, Tuner, Mike; controls: Bass, Treble; Balance, Volume, Center, Ch., Level; switches: Input Selector, Stereo Selector, Rumble, Scratch, Monitor, Loudness, phase; outputs: main, 100k ohms, 10 max. volts; recording, 0.5 volts; freq. resp. 10 to 55k cps  $\pm 1.0$  db at 2.5 volts; harmonic distortion, 0.1% at 2.5 volts from 20 to 20k cps; IM distortion, 0.1% at 2.5 volts; sensitivity, input for rated output, phono, 0.3 mv, tuner, 0.5 volts; hum and noise, 85 db below 1 volt output. Weight, 13 lbs; dimensions, 15 1/2" wide, 5 1/4" high, 13 3/4" deep. Price \$99.95. Cases in various woods and metal from \$13.95. H. H. Scott, Inc.

## INTEGRATED AMPLIFIERS

### ALTEC

• **360A Amplifier.** All solid-state circuitry, matrixing network for center-channel voltage output. Automatic reset circuit breakers for overcurrent protection of each channel and a.c. line. Dual microphone inputs for stereo recording. Diffused panel illumination plus daylight power indicator. Both headset and speaker monitoring for tape recording. Front panel dual-range gain switch. Variable-cross-over-type bass tone control.



**Specifications:** Freq. resp. 20 to 20,000 cps  $\pm 1$  db; IHF music power output, 35 watts per channel; harmonic distortion, 1.5% at 25 watts from 20 to 10,000 cps; hum and noise, 84 db below 25 watts output; sensitivity, input for 25-watt output—phono, 4 mv, tuner, 400 mv; damping factor 10; output impedances, 8, 16 ohms; input—phono, tape head, tape amp, mic; weight, 24 lbs. Dimensions, 15" wide, 5 1/2" high, 11 1/2" deep. Price \$366.00 Altec-Lansing.

### BELL

• **Model 2440 44-watt Stereo Amplifier.** This compact unit offers all the features anyone needs for the home reproduction of music from a wide variety of sources.

**Specifications:** Freq. resp. 20 to 20,000 cps  $\pm 1$  db at 1 watt output; power bandwidth, 35 to 20,000 cps; IHF music power output, 22 watts per channel; power output, rms, 20 watts per channel; harmonic distortion, 1% at 20 watts from 50 to 15,000 cps; IM distortion, 1% at 20 watts; hum and noise, 63 db below 1 watt output; sensitivity, input for rated output—phono, 3 mv, tuner, 0.1 volts; damping factor 4; output impedances, 4, 8, 16 ohms and high-Z for recorder; inputs—4 phono, 2 tape head, 2 tape amp, 2 aux, 2 ceramic phono; weight, 28 lbs. Dimensions: 17 3/16" wide, 5 7/16" high, 10 1/2" deep. Bell Sound Division.

### BOGEN

• **AP30 Stereo Amplifier.** A modestly priced unit whose performance and flexibility rivals amplifiers priced much higher. 30 watts of power (15 per channel). Switched stereo headphone outlet is one of many "plus" features. Simplicity of design and functional control panel make the AP30 a delight to use.

**Specifications:** Freq. resp. 20 to 20,000 cps  $\pm 1$  db at 30 watts output; power bandwidth, 50 to 15,000 cps; IHF music power output, 15 watts per channel; power output, rms, 12 watts per channel; harmonic distortion, 0.6% at rated output; IM distortion, 0.3% at 2.5 watts; hum and noise, 70 db below 1 watt output; sensitivity, input for rated output—phono, 4.5 mv, tuner, 0.5 volts; output impedances, 8, 16 ohms; inputs—phono, tape head, tape amp, aux, tuner; weight, 16 lbs. Dimensions, 15" wide, 4 1/2" high, 11 1/2" deep. Price, \$99.95, metal enclosure, \$11.95, walnut cabinet \$26.95. Bogen.

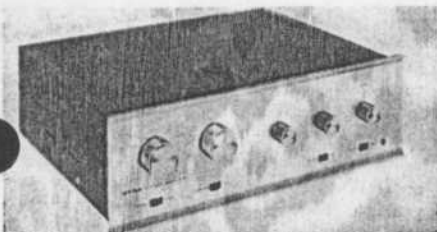
1. AP250, 50-watt stereo amp ..... \$154.95

### DYNA

• **SC-35/A Stereo Control Amplifier.** High-performance low-power amplifier with integral easy-to-use control facilities. Excellent power response, stability with any load, and overload characteristics, which are all the result of its special circuit and output transformers. Provision for third-speaker output or connection for headphones on rear panel. Dyna bandpass filter for balanced response even with noisy discs or rumble-prone players.

**Specifications:** Freq. resp. 20 to 20k cps  $\pm 0.25$  db at 1 watt output; power bandwidth, 15 to 35k cps; IHF music power output, 23

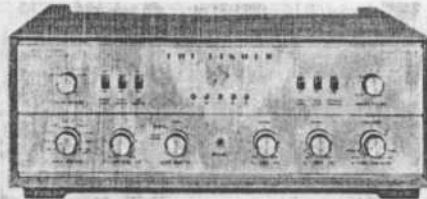




watts per channel; power output, rms, 17.5 watts per channel; harmonic distortion, 1% at 35 watts  $\pm 1$  db from 20 to 20k cps; 1M distortion, 1% at 35 watts; hum and noise, 80 db below 17-watt output; sensitivity, input for rated output—phono, 4 mv, tuner, 1 volt; damping factor 10; output impedances, 8, 16 ohms; inputs—6 phono, 2 tape head, 2 tape amp, 2 aux, 2 radio; weight, 20 lbs. Dimensions, 13" wide, 4" high, 10" deep. Price \$139.95. Dynaco, Inc.

## FISHER

• **X-202-B 80Watt Master Control Amplifier.** The Fisher X-202-B is a high-quality master control amplifier, providing versatile input and control facilities, as well as an 80-watt dual-channel power amplifier. Eighteen inputs and ten outputs accommodate every type of program source and recording instrument. Twenty controls make possible virtually complete control of sound by the listener. A power-derived center-channel output is furnished, providing three-speaker stereo without the need for an additional power amplifier. A front panel jack is provided for private listening with earphones, while the speakers are disabled.



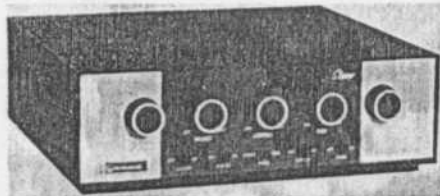
**Specifications:** Freq. resp. 20 to 20k cps  $\pm 1$  db at 2 watts output; power bandwidth, 25 to 25k cps; IHF music power output, 40 watts per channel; power output, rms, 35 watts per channel; harmonic distortion, 0.5% at 80 watts at 1 kc; 1M distortion, 0.8% at 85 watts; hum and noise, 90 db below 80-watt output; sensitivity, input for rated output phono, 3.5 mv, tuner, 0.28 volts; damping factor 10; output impedances, 4, 8, 16 ohms; inputs—4 phono, 2 tape head, 2 tape amp, 2 aux, 2 tape monitor; weight, 30 lbs. Dimensions, 15 1/4" wide, 4 13/16" high, 12 1/2" deep. Price \$249.50. Cabinets (walnut & mahogany) \$24.50, metal cabinet \$15.95. Fisher Radio Corp.

1. X-100-B, 50-watt master control amp \$169.50
2. X-101-C, 60-watt master control amp \$199.50
3. X-1000, 110-watt master control amp \$339.50

## GROMMES

• **Model E-36 36-Watt Stereo Amplifier.** A high-quality low-cost amplifier complete with 5 stereo inputs, matched controls, high and low filters, contour switch and low-heat silicon power supply.

**Specifications:** Freq. resp. 20 to 20,000 cps  $\pm 0.5$  db at 1 watt output; power bandwidth, 30 to 20,000 cps; IHF music power output,



18 watts per channel; power output, rms, 15 watts per channel; harmonic distortion, 1% at 15 watts from 40 to 15,000 cps; 1M distortion, 2% at 15 watts; hum and noise, 75 db below 15-watt output; sensitivity input for rated output—phono, 5 mv, tuner, 0.15 volts; damping factor 8; output impedances, 4, 8, 16 ohms; input—1 phono, 1 tape head, 1 tuner, 1 aux, 1 xtal. Dimensions, 13 3/4" wide, 4 3/4" high, 11" deep. Price \$119.95. Grommes.

1. 70PC 70-watt amp. .... \$199.95
2. E24 24-watt amp. .... \$ 79.95

## HARMAN-KARDON

• **Model A-1000T Solid-State 70-Watt Integrated Stereo Amplifier.** Solid-state circuitry throughout eliminates tubes and audio transformers. Features: response well beyond the range of hearing; 70 watts of power, low distortion, assured by the use of industrial grade, fast-switching silicon semiconductors and carefully regulated power supply; virtually no hum or microphonics; military-type, hinged glass epoxy boards for ruggedness and easy accessibility.



**Specifications:** Freq. resp. 10 to 100,000 cps  $\pm 1/2$  db at 1 watt output; power bandwidth, 10 to 60k cps; IHF music power output, 40 watts (8 ohms) per channel; power output, rms, 35 watts per channel; harmonic distortion, 0.5% at 35 watts from 12 to 30k cps; 1M distortion, 0.5% at 35 watts; hum and noise, 85 db below 35-watt output; sensitivity, input for rated output—phono, 2.5 mv, tuner, 200 mv; damping factor 50; output impedances, 4, 8, 16 ohms; input—4 phono, 2 tape head, 2 tape amp, 2 aux, 2 Tape Monitor; weight, 25 lbs. Dimensions, 14 1/16" wide, 3 3/4" high, 10" deep. Price, \$369.95. CW10 enclosure, \$19.95. Harman-Kardon.

1. Award A700 integrated 70-watt stereo amp. .... \$179.95
2. Award A300 integrated 30-watt stereo amp. .... \$ 99.95

## KNIGHT

• **KN-999 100-Watt Stereo Amplifier.** 100-watt IHF rating (35-watt per channel sine wave power). All-transistor design; 19 transistors, 8 diodes. Tape monitor, scratch and rumble filter, phase, mode and stereo reverse switches; bass, treble, balance and volume controls; push button input selectors, tape phono, tuner, aux.



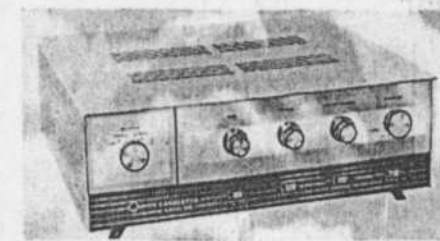
**Specifications:** Freq. resp. 20 to 25,000 cps  $\pm 0.5$  db; harmonic distortion, 1% hum and noise, 80 db below rated output. Dimensions, 13 3/4" wide, 4 1/2" high, 12 3/4" deep. Price \$199.95. Walnut case \$14.95, metal case \$4.95. Allied Radio.

1. Knight KN-950 50-watt trans. stereo amp. .... \$119.95
2. KN-940, 44-watt stereo amp. .... \$ 79.95
3. KN-924, 28-w stereo amp. .... \$ 49.95

## LAFAYETTE

• **Model LA-250A 50-Watt Integrated Stereo Amp.** A full range of controls including separation and volume balance; enabling the user to control the relationship between channels. Third channel output plus d.c. on the filaments of preamp and tone-control tubes.

**Specifications:** Freq. resp. 20 to 50,000 cps  $\pm 1$  db at 20 watts output; power bandwidth, 20 to 50,000 cps; IHF music power output, 25 watts per channel; power output, rms, 20 watts per channel; harmonic distortion, 0.25% at 1 watt from 20 to 20,000 cps; 1M distortion, 0.5% at 1 watt; hum and noise, 77 db below 20-watt output; sensitivity, input for rated output—phono 3.5 mv, tuner, 0.5 volts; output impedances, 4, 8, 16 ohms; inputs—2



phono, 2 tape head, 2 aux, 2 tuner, weight, 28 lbs. Dimensions, 14 1/2" wide, 5 1/4" high, 12 3/4" deep. Price, \$99.50. Lafayette Radio.

1. LA-240WX 40-watt integrated stereo amp. .... \$ 79.95
2. LA-224WX 24-watt integrated stereo amp. .... \$ 49.95
3. LA-200WX 44-watt transistor stereo amp. .... \$109.50

## PILOT

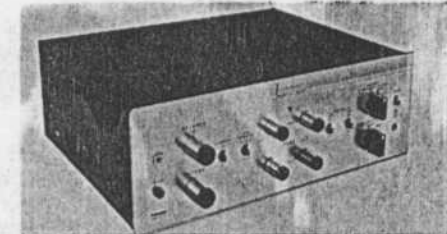
• **Model 248B.** A high-quality integrated stereo amplifier with all modern features.

**Specifications:** Freq. resp. 5 to 50k cps  $\pm 1$  db at 1 watt output; power bandwidth, 10 to 27k cps; IHF music power output, 37 watts per channel; power output, rms, 30 watts per channel; harmonic distortion, 0.5% at 30 watts from 25 to 15k cps; 1M distortion, 0.2% at 30 watts; hum and noise, 80 db below 30 watt output; sensitivity, input for rated output—phono, 3 mv, tuner, 0.12 volts; output impedances, 4, 8, 16 ohms; inputs—2 pr. phono, 1 pr. tape head, 1 pr. tape amp, 1 pr. aux, 1 pr. mic. Dimensions, 15 1/4" wide, 6 1/4" high, 12 3/4" deep. Price, \$269.50. Oiled walnut enclosure, \$22.50. Pilot Radio.

1. Model 230, 24-watt integrated stereo amp. .... \$89.50 with cover
2. Model 240, 30-watt integrated stereo amp. .... \$34.50 " "
3. Model 246, 60-watt integrated stereo amp. .... \$99.50 " "

## PIONEER

• **SM-500 Integrated Stereophonic Amplifier.** The Pioneer Model SM-500 is a stereophonic control amplifier with a maximum output of 36 watts per channel, which may be combined for a monophonic output of 72 watts. De-



signed for maximum versatility, it is capable of accommodating all forms of inputs, including phono, tape head, tuner, and so on.

**Specifications:** Freq. resp. 5 to 100,000 cps  $\pm 1$  db at 0.5 watts output; IHF music power output, 36 watts per channel; power input, rms, 25 watts per channel; harmonic distortion, 1% at 25 watts from 40 to 12,000 cps; 1M distortion, 1% at 25 watts; hum and noise, 80 db below 25-watt output; sensitivity, input for rated output—phono, 3 mv, tuner, 0.15 volts; damping factor 13; output impedances, 8, 16 ohms; inputs—4 phono, 2 tape head, 2 tape amp, 2 aux, 2 tuner, 2 mike; weight, 28 lbs. Dimensions, 15 11/32" wide, 5 29/32" high, 17 9/16" deep. Pioneer.

## H. H. SCOTT

• **Model 4270, 60-Watt Transistorized Amplifier.** The 4270 is an all-transistor amplifier with the reliability, features, and freedom from trouble associated with the Scott name. The 4270 offers longer component life, cooler operation, lower power consumption, and faster warmup time.

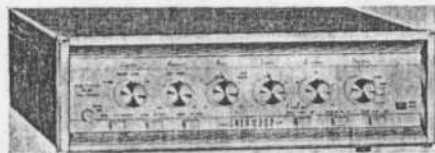
**Specifications:** Freq. resp. 20 to 15k cps at 25 watts output; power bandwidth, 19 to 20k cps; IHF music power output, 30 watts per channel; power output, rms, 25 watts per



channel; harmonic distortion, 0.8% at 25 watts from 20 to 15k cps; 1M distortion, 0.8% at 25 watts; hum and noise 70 db below 35-watt output; sensitivity, input for rated output—phono, 3 mv, tuner, 0.5 volts; damping factor 4; output impedances 4, 8, 16 ohms; inputs—2 phono, 1 tape head, 1 tape amp, 1 aux, monitor; weight, 35 lbs. Dimensions, 17 3/4" wide, 6 1/4" high, 16 3/4" deep. Price, \$295.00. Cases in various woods and metals from \$17.95 to \$29.95. H. H. Scott, Inc.

## SHERWOOD

• **S-5500111 80-Watt Amplifier and Preamp.** The S-5500111 features all the important controls and facilities and was designed to offer full power requirements for most home music systems at economical cost. Controls include friction-locked bass and treble controls, scratch and rumble filters, stereo normal/reverse switch, phase-invert switch and tape-monitor switch. A total of 6 high-level and 4 low-level inputs are provided for maximum flexibility.



**Specifications:** Freq. resp. 20 to 20k cps  $\pm 1/2$  db at 36 watts output; IIF music power output, 40 watts per channel; power output, rms, 36 watts per channel; harmonic distortion, 0.5% at 36 watts from 26 to 20k cps; IM distortion, 1.5% at 36 watts; hum and noise, 75 db below 1 watt output; sensitivity, input for rated output—phono, 1.2 mv, tuner, 0.25 volts; damping factor 5; output impedances, 4, 8, 16 ohms; input—2 phono, 2 tape head, 2 tape amp, 2 aux, 2 tuner; weight, 27 lbs. Dimensions, 14" wide, 4" high, 13 1/2" deep. Price, \$174.50. Accessories: case, \$7.50. Sherwood Electronic Labs.

1. S-500011, 80-watt amp-preamp .... \$199.50

# INTEGRATED AMPLIFIER KITS

## DYNAKIT

• **SCA-35 Stereo Control Amplifier.** Combined stereo preamplifier and power amplifier with the emphasis on performance and ease of operation. Designed to eliminate several tube stages with consequent reduction in noise and distortion and increased stability. Output transformers are of a quality level usually reserved only for much more costly equipment. Preassembled etched circuit boards make construction simple even for the novice. Provision for headphone or third speaker output on rear panel.

**Specifications:** Freq. resp. 20 to 20k cps  $\pm 0.25$  db at 1 watt output; power bandwidth, 15 to 35k cps; IIF music power output, 23 watts per channel; power output, rms, 17.5 watts per channel; harmonic distortion, 1% at 35 watts ( $\pm 1$  db) from 20 to 20k cps; IM distortion, 1% at 35 watts; hum and noise, 80 db below 17-watt output; sensitivity, input for rated output—phono, 4 mv, tuner, 1 volt; damping factor 10; output impedances, 8, 16 ohms; inputs—6 phono, 2 tape head, 2 tape amp, 2 aux, 2 radio; weight 20 lbs. Dimensions, 13" wide, 4" high, 10" deep. Price, \$99.95. Dynaco, Inc.

## EICO CLASSIC SERIES

• **2036K 36-Watt Stereo Amplifier Kit.** Combines audio control preamp and power amplifiers.

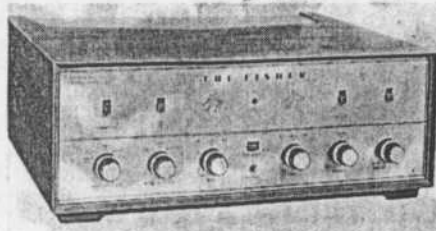


**Specifications:** Freq. resp. 20 to 60,000 cps  $\pm 3$  db; power bandwidth, 30 to 20,000 cps; IIF music power output, 18 watts per channel; harmonic distortion, 1% at 36 watts; IM distortion, 2% at 36 watts; hum and noise, 62 db; sensitivity, input for rated output—tuner, 10 mv. Price, \$74.95. Eico.

1. 2036K 50-watt stereo amplifier .... \$92.50  
2. 5T70K 70-watt stereo amplifier .... \$99.95  
3. 5T40K 40-watt stereo amplifier .... \$79.95

## FISHER

• **KX-100 Stratakit 50-Watt Stereo Master Control Amplifier.** The Fisher KX-100 is a 50-watt master control amplifier kit, styled to match all other Fisher units. It combines simplicity of construction with maximum flexibility and high performance characteristics. A power-derived center-channel output is provided, obviating the need for an additional power amplifier. The preamplifier contains a full complement of controls and switches, including facilities for switched direct tape monitoring, without changing connections. An earphone jack is provided for private listening, while the speakers are disabled. Even the novice kit-builder will build this technically advanced amplifier with ease.

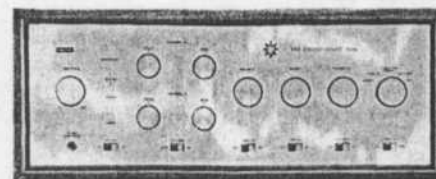


**Specifications:** Freq. resp. 20 to 20,000 cps  $\pm 1$  db at 2 watts output; power bandwidth, 28 to 20,000 cps; IIF music power output, 25 watts per channel; power output, rms, 24 watts per channel; harmonic distortion, 0.5% at 50 watts at 1 kc; IM distortion, 0.3% at 25 watts; hum and noise, 85 db below 25-watt output; sensitivity, input for rated output—phono, 3.5 mv, tuner, 0.3 volts; damping factor 8; output impedances, 4, 8, 16 ohms; inputs—4 phono, 2 tape head, 2 tape amp, 2 aux, 2 tuner; weight, 24 lbs. Dimensions, 15 1/2" wide, 5 1/4" high, 12 1/2" deep. Price, \$129.50. 10-UW, 10-UM; walnut and mahogany cabinets \$24.95, MC-2; metal cabinet \$15.95. Fisher Radio.

1. KX-200, 80-watt stereo master control amp ..... \$169.50

## HARMAN-KARDON

• **Model A50K 50-Watt Integrated Stereo Amplifier Kit.** Performance at a moderate price, features; stereo headphone output on front panel; ambiance control for center channel; speaker phasing switch; illuminated push-button on-off switch; blend indicator; tape monitor; separate bass and treble; separate hi-cut and lo-cut filters; balance and stereo contour controls.



**Specifications:** Freq. resp. 12 to 70,000 cps  $\pm 1$  db at 1 watt output; power bandwidth, 20 to 20k cps; IIF music power output, 25 watts per channel; power output, rms, 20 watts per channel; harmonic distortion, 0.8% at 20 watts from 20 to 20k cps; IM distortion, 1% at 25 watts; hum and noise, 85 db below 25-watt output; sensitivity, input for rated output—phono, 3 mv, tuner, 200 mv; damping factor 15; output impedances, 4, 8, 16 ohms; inputs—2 phono, 2 tape head, 2 tape amp, 2 tuner, 2 aux, 2 tape mon; weight, 32 lbs. Dimensions, 15 1/4" wide, 5 7/16" high, 12" deep. Price, \$119.95. Metal enclosure \$12.95, walnut enclosure \$29.95. Harman-Kardon

1. Award A30K, 30-watt integrated stereo amplifier ..... \$79.95

## HEATHKIT

• **70-Watt Transistor Stereo Amplifier Model AA-21.** Featuring simplified operation with transistor performance, the AA-21 hides the secondary controls behind a hinged front panel, exposing only the necessary primary controls.

**Specifications:** Freq. resp. 13 to 25k cps  $\pm 1$  db at 70 watts output; power bandwidth, 8 to 40k cps; IIF music power output, 50 watts per channel; power output, rms, 35 watts per channel; harmonic distortion, 2% at 70 watts from 20 to 20k cps; IM distortion, 1.0% at 70 watts; hum and noise, 60 db below 1 watt output; sensitivity, input for rated output—phono, 2.5 mv, tuner, 0.3 volts; unity damping factor; output imped-

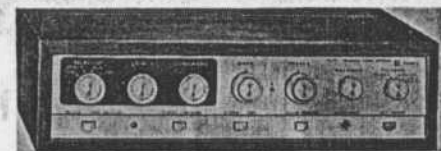
ances, 4, 8, 16 ohms; inputs—2 phono, 2 tape head, 2 tape amp, 2 aux, 2 FM; weight, 28 lbs. Dimensions, 15 1/4" wide, 5" high, 14" deep. Price, \$134.95. Heath Co.

1. AA-100, 50-watt stereo amp ..... \$84.95  
2. AA-22, 40-watt transistor stereo amp \$99.95  
3. AA-151, 28-watt stereo amp ..... \$59.95  
4. AA-201, 6-watt stereo amp ..... \$31.95

## KNIGHT-KIT

• **KG-870 Transistor 70-Watt Stereo Amplifier Kit.** Twenty-two transistor, four silicon diode circuit. Four predriver transistors are silicon for high stability. Instant warm-up, no microphonics. Virtually no hum or noise. Cool operation. Transistors plug into sockets. Fused power supply. Stereo headphone jack. Speaker phasing switch. Dual-concentric clutch-type bass and treble controls.

**Specifications:** Freq. resp. 20 to 25,000 cps  $\pm 1$  db at rated output; IIF music power output, 35 watts per channel; power output, rms, 28 watts per channel; harmonic distortion,



tion, 0.5% at rated output; IM distortion, 1% at rated output; hum and noise, 80 db below rated output; sensitivity, input for rated output—phono, 3 mv, tuner, 1.0 volts; output impedances, 4, 8, 16 ohms; inputs—1 phono, 1 tape head, 1 tape amp, (monitor), 2 aux, 1 tuner; weight, 12 lbs. Dimensions, 13" wide, 2 1/4" high, 11" deep. Price, \$99.95. Walnut case \$12.95, metal case \$5.95. Allied Radio.

1. KG-320, 32-watt trans. stereo amp. kit \$59.95  
2. KG-400, 32-watt stereo amp. kit .... \$59.95  
3. KA-55, 40-watt stereo amp. kit ..... \$79.95  
4. KG-250, 20-watt stereo amp. kit ..... \$39.95  
5. KA-95, 70-watt stereo amp. kit ..... \$99.95

## LAFAYETTE

• **KT-900 Transistor Amplifier.** Individual concentric bass, treble, and volume controls, stereo selection of R channel, L channel, stereo, reverse. Rumble and scratch filters. Printed-terminal board construction.

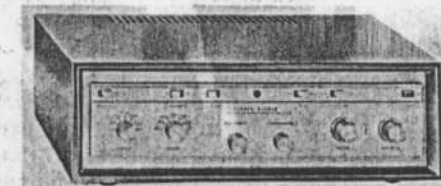


**Specifications:** Freq. resp. 5 to 25,000 cps  $\pm 1$  db at 60 watts output; IIF music power output, 60 watts per channel; harmonic distortion, 0.5% at 35 watts from 5 to 25,000 cps; IM distortion, 1%; hum and noise, 75 db below 35-watt output; sensitivity, input for rated output—phono, 2.8 mv, tuner, 200 mv; output impedances, 4, 8, 16 ohms; inputs—2 phono, 2 tape head, 2 aux, 2 tuner; weight, 25 lbs. Dimensions, 13 1/2" wide 4" high, 12 1/2" deep. Price, \$134.50. Lafayette Radio.

1. KT-250AWX, 50-watt integ. amp ... \$74.50  
2. KT-236AWX, 36-watt integ. amp ... \$59.50

## PACO

• **Model SA-50 Integrated Amplifier.** The SA-50 features a two-position equalization switch, 7-position mode selector, tape monitor switch, contour switch, 2 speaker-system selector switches, 7-position input selector, calibrated balance control, dual bass and treble control.



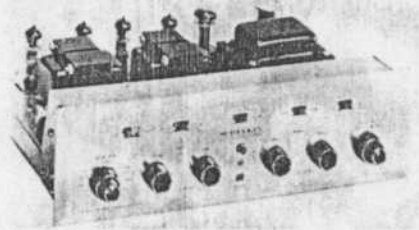
**Specifications:** Freq. resp. 30 to 60,000 cps  $\pm 1$  db at 1 watt output; IIF music power output, 25 watts per channel; power output, rms, 20 watts per channel; harmonic distortion, 0.5% at 20 watts; IM distortion,



at 20 watts; hum and noise, 80 db below watt output; sensitivity, input for rated tpt—phono, 5 mv, tuner, 0.075 volts; mping factor 22; output impedances, 4, 8, ohms; inputs—2 phono, 1 tape head, 1 e amp, 1 aux, 1 Mic; weight, 25 lbs. Dimensions, 15 1/2" wide, 5 1/2" high, 11 1/2" deep. Price, \$89.95. MC-5 metal enclosure \$7.95.

## H. H. SCOTT

**LK-30—Dual 15-Watt Stereo Amplifier Kit.** budget-priced amplifier kit, with power and tures of amplifiers selling at much higher ces. Hefty output transformer gives power wn to the lowest audible frequencies. This iversatively-rated stereo amplifier will ve even inefficient loudspeakers.



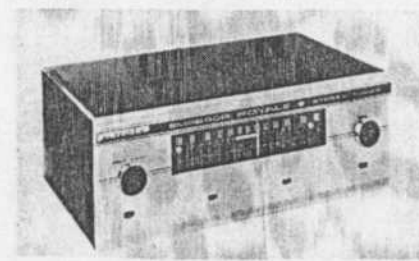
**Specifications:** Freq. resp. 20 to 20k cps  $\pm$  1 at 7.5 watts output; power bandwidth, 25 15k cps; IHF music power output, 15 watts r channel; power output, rms, 12 watts per annel; harmonic distortion, 0.8% at 12 tts from 20 to 20k cps; IM distortion, 3% at 12 watts; hum and noise, 70 db ve 15-watt output; sensitivity, input for ted output—phono, 5 mv, tuner, 0.5 volts; mping factor 10; output impedances, 4, 8, 16 ms; inputs—2 phono, 2 tape amp, 2 aux, initor; weight, 20 lbs. Dimensions, 15 1/2" de, 5 1/2" high, 13 1/2" deep. Price, \$99.95. ses in various woods and metals from 3.95.

LK-48, dual 24-watt amp ..... \$129.95  
LK-72, dual 40-watt amp ..... \$164.95

## BASIC TUNERS

### ALTEC

**314A Emperor Royale FM-MPX Tuner.** De- ned for FM-multiplex network relay and broadcast work and for off-the-air stereo nitoring, it utilizes wide-band circuitry. atomatic mpx all-electronic switching idites stereo FM programming. Requires a S11 panel for rack mounting.



**Specifications:** 12 tubes; cascade front end; rix, bar tuning indicator; controls—tuning; itches—power, a.f.c. defeat, muting, mpx use filter, stereo-mono; freq. resp.  $\pm$  1 db om 20 to 20,000 cps; sensitivity 1.2  $\mu$ v for -db quieting with 300-ohm antenna; stereo paration 30 db; time division stereo circuit; nensions: 15" wide, 5 1/2" high, 11 1/2" deep; ight, 12 1/4 lbs. Price \$350.00. Altec-Lansing.  
315A ..... \$256.00

### BELL

**2441 S-1 Stereo FM-AM Tuner.** The 2441 1 is a sensitive tuner for reception in ad- se locations as well as strong signal areas. **Specifications:** FM: 8 tubes; cascade front 3 i.f. stages; ratio detector; 1 audio ounter tuning indicator; output signal tts; 3 outputs; controls—AM tuning, d tuning; switches—off-on, a.f.c., selector; eq. resp.  $\pm$  2 db from 30 to 53k cps; signal- noise ratio 55 db; IHF volume sensitivity 2  $\mu$ v; capture ratio 4 db; selectivity 250 kc 6 db; IHF usable sensitivity 1.8  $\mu$ v; har-

monic distortion (100% mod.) 0.4%; stereo separation 28 db; switching stereo circuit; reactance tube a.f.c. circuit; drift  $\pm$  5 kc; dimensions of set: 10 1/2" wide, 5 7/16" high, 10 1/2" deep; weight, 18 lbs. AM: 4 tubes; superhet circuit; 3-gang tuning capacitor; ratio detector; 3 i.f. stages; meter tuning indicator; IHF usable sensitivity 3  $\mu$ v; IHF volume sensitivity 2  $\mu$ v; freq. resp.  $\pm$  3 db from 30 to 8k cps; harm. dist. 1%. Price \$189.95. Bell Sound.

1. 2421 S-1 stereo FM-AM tuner .... \$159.95  
2. 2419 stereo FM tuner ..... \$149.95

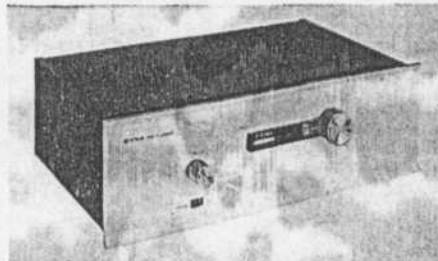
### BOGEN

**TP250 FM-Stereo Tuner.** The TP250 FM tuner features design simplicity in the "Simple Scanner" dial, the "Stereo-Minder" indicator, quick-acting electronic tuning eye, and tape recording filter, the TP250 compares with tuners costing much more.

**Specifications:** 10 tubes + 3 crystal diodes; grounded-grid front end; 3 i.f. stages; ratio detector; electronic eye tuning indicator; output signal 0.75 volts; 2 outputs; controls—mode, tuning; switches—a.f.c., power; freq. resp.  $\pm$  5 db from 30 to 15,000 cps; signal-to-noise ratio 60 db; IHF volume sensitivity 0.5  $\mu$ v; capture ratio 4 db; selectivity 40 db; IHF usable sensitivity 2.5  $\mu$ v; AM suppression 50 db; harmonic distortion (100% mod.) 0.5%; stereo separation 28 db; matrix stereo circuit; reactance tube a.f.c. circuit; drift 20 kc; dimensions: 12 1/2" wide, 4 1/2" high, 11" deep; weight, 16 lbs. Price \$159.95. Bogen.

### DYNA

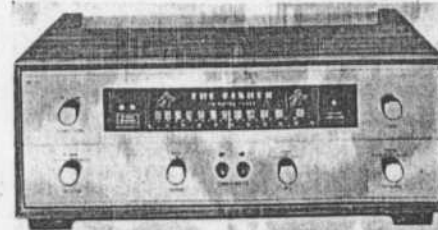
**FMS/A Multiplex FM Tuner.** Stereo multi- plex FM tuner providing automatic electronic switching from mono to stereo, center-of- channel tuning for minimum distortion and maximum separation. A front panel volume control adds convenience for the tape record- ist, and provides manual muting. The ex- clusive "stereocator" beam indicates stereo or mono broadcasts as the station is tuned.



**Specifications:** 11 tubes, cath. cpld. front end; 4 i.f. stages; bal. bridge detector; 2 au- dio stages; EMMS01 tuning indicator; output signal 2 volts; 2 outputs; controls—tuning, volume; switches—on-off; freq. resp.  $\pm$  0.5 db from 30 to 15,000 cps; signal-to-noise ratio 67 db; IHF volume sensitivity 0  $\mu$ v; capture ratio 5 db; selectivity 54 db; IHF usable sensitivity 6  $\mu$ v (in stereo operation), 4  $\mu$ v mono; AM suppression 63 db; harmonic dis- tortion (100% mod.) 0.5%; stereo separation 30 db; env. det. stereo circuit; drift 30kc max.; dimensions: 13" wide, 4" high 8" deep; weight, 13 lbs. Price \$169.95. Dynaco, Inc.

### FISHER

**MF-300 Remote Control FM-Stereo Tuner.** The Fisher MF-300 combines the ease of mo- tor tuning with excellent performance char- acteristics. The MF-300 automatically stops the tuner at the point of maximum fidelity. "Stereo Beacon"  $\otimes$  automatically indicates the



presence of stereo broadcasts. The tuner au- tomatically switches between stereo and mono- phonic modes of operation. A stereo filter re- duces noise on stereo programs from weak stations. Remote control of the tuner is pos- sible by using the RK-20, enabling the audio- fan to control the tuning process, volume, and power on-off.

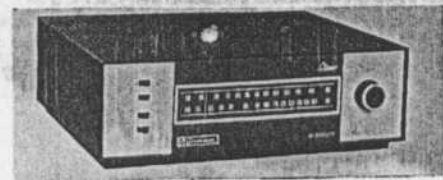
**Specifications:** 16 tubes, 24 diodes, cascade front end; 5 i.f. stages; ratio detector; 4 audio stages; "Stereo Beacon"  $\otimes$  tuning indi-

cator; output signal 2.0 volts; 4 outputs; controls—manual and automatic tuning; switches—stereo filter, mode selector, mut- ing, a.f.c. antenna; freq. resp.  $\pm$  1 db from 20 to 15,000 cps (after de-emphasis); signal-to- noise ratio 70 db; IHF volume sensitivity, be- low noise level; capture ratio 1.5 db; selec- tivity 65 db; IHF usable sensitivity 1.6  $\mu$ v; AM suppression better than 50 db; har- monic distortion (100% mod.) 0.4%; stereo separation 35 db; time-switching multiplex stereo circuit; varactor diode a.f.c. circuit; drift 0.01% without a.f.c. Dimensions: 15 1/2" wide, 4 13/16" high 13" deep; weight 17 1/2 lbs. Price, \$350.50. Fisher Radio.

1. FM-50-B, FM-stereo tuner "Stereo Beam"  $\otimes$  ..... \$199.50  
2. FM-100-B, FM-stereo tuner with "Stereo Beacon"  $\otimes$  ..... \$249.50  
3. FM-200-B, FM-stereo tuner with "Stereo Beacon"  $\otimes$  ..... \$299.50  
4. FM-1000, FM-stereo tuner with "Stereo Beacon"  $\otimes$  (relay quality) ... \$429.50  
5. FMR-1, same as FM-1000, but rack- mounted ..... \$439.50

### GROMMES

**E-105 FM-AM Stereo Tuner.** Features fine FM-stereo reception, flywheel tuning, "Stereo Sentry" that actuates bar-type tuning indicator, wide-band drift-free circuitry and low- heat silicon power supply.

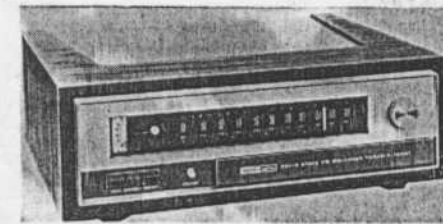


**Specifications:** FM: 9 tubes + 9 diodes; grounded-grid front end; 3 i.f. stages; bal. ratio detector; 2 audio stages; bar tube tuning indicator; output signal 1 volt; 2 out- puts; controls—tuning; switches—FM or AM, a.f.c., stereo-mono, power; freq. resp.  $\pm$  0.5 db from 20 to 20,000 cps; signal-to-noise ratio 60 db; capture ratio 5 db; selectivity 300 kc; IHF usable sensitivity 4  $\mu$ v; AM suppression 50 db; harmonic distortion (100% mod.) 0.5%; stereo separation 35 db; switching stereo circuit; tube a.f.c. circuit; drift 10 kc; dimensions: 13 1/2" wide, 4 1/2" high, 11" deep. AM: superhet circuit; 2-gang tuning capaci- tor; diode detector; 1 i.f. stage; bar tube tuning indicator; IHF usable sensitivity 10  $\mu$ v; freq. resp.  $\pm$  3 db from 20 to 6500 cps; harm. dist. 1.0%. Price \$139.95. Grommes.

1. 102M, FM-AM stereo tuner ..... \$159.95  
2. 101M, FM-stereo tuner ..... \$139.95  
3. E-104, FM-AM stereo tuner ..... \$129.95

### HARMAN-KARDON

**Model F-1000T Solid-State FM-Stereo Tuner.** Wideband solid-state circuitry throughout. Features: "Stereo Logic" circuit (automati- cally switches tuner to stereo when station broadcasts stereo), solid state a.f.c., mesa alloy-diffused junction transistors in quadra- tuned front end, D'Arsonval tuning meter, 3-position range selector.



**Specifications:** 18 transistors, 8 diodes; Quadra-Tuned front end; 4 i.f. stages; wide- band detector; 2 audio stages; D-Arsonval tuning indicator; output signal 1.75 volts; 4 outputs; controls—"Stereo Logic," muting, tuning; switches—a.f.c.-defeat, stereo-defeat, local-suburban-distance, on-off; freq. resp.  $\pm$  1/2 db from 5 to 50,000 cps; signal-to-noise ratio 70 db; IHF volume sensitivity 0  $\mu$ v; capture ratio 4 db; selectivity 250 kc at 3 db; IHF usable sensitivity 2.0  $\mu$ v; AM suppression 60 db; harmonic distortion (100% mod.) 0.1%; stereo separation 30 db; switching stereo cir- cuit; solid-state a.f.c. circuit; drift  $\pm$  5 kc; dimensions: 14 1/16" wide, 3 3/8" high, 8" deep; weight, 20 lbs. Price \$299.95. Enclosure \$19.95. Harman-Kardon.

1. Award Model T300X, AM/FM-stereo tuner ..... \$149.95  
2. Citation III, FM-stereo tuner ..... \$315.00  
3. Award F500X, FM-stereo tuner .... \$179.95

## KARG

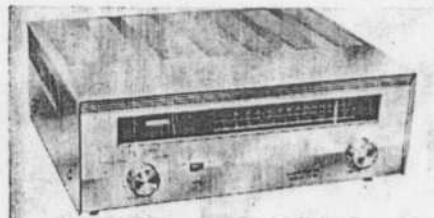
• **Model SXT-1A Crystal-controlled Stereo FM Tuner.** 12 crystal-controlled FM channels, customer's choice. Dial marked in call letters of stations selected. Low distortion level not dependent on operator's tuning skill. No microphonics. Extreme simplicity of controls (Station Selector, volume, Stereo-Mono), stereo signal indicator light. Remote tuning control optional. Twin 19-ke filters in audio outputs. Gated-beam limiter with threshold adjustment. Faraday-screened input balun.

**Specifications:** 9 tubes, cascade front end; 2 i.f. stages; Foster-Seely detector; 1 audio stage per channel; output signal 3 volts; 3 outputs; controls—Station Selector, Volume; switches—Stereo-Mono; freq. resp.  $\pm 1/2$  db from 30 to 15k cps; signal-to-noise ratio 65 db; capture ratio 3 db; IIF usable sensitivity 2.2  $\mu$ v; AM suppression 34 db; harmonic distortion (100% mod.) 0.5%; stereo separation 33 db; Time Div. stereo circuit; drift 0.025% max.; dimensions: 15 1/2" wide, 5" high, 5 1/2" deep; weight, 13 lbs. Price \$329.95. Karg Labs.

1. Model FMX-9, ster. FM tuner ..... \$199.95
2. Model FMX-10, ster. FM tuner .... \$229.95
3. Model SXT-3A, crystal stereo FM tuner, prof. .... \$390.00
4. Model SXT-4A, crystal single-chan. ster. monitor ..... \$335.00
5. Model XT-1A, crystal mono FM tuner \$229.95

## LAFAYETTE

• **LT-810 FM-Stereo Tuner.** Stereo tuning indicator, built-in multiplex circuit, 3-gang tuning capacitor.



**Specifications:** 10 tubes, 8 diodes; grounded front end; 4 i.f. stages; Ratio detector; audio stage; EM-84 tuning indicator; output signal 1 volt; 2 outputs; control—tuning; switches—selector, a.f.c. on/off; freq. resp.  $\pm 2$  db from 20 to 20,000 cps; capture ratio 8 db; harmonic distortion (100% mod.) 1%; stereo separation 30 db; matrix stereo circuit; reactance a.f.c. circuit; dimensions: 13 1/2" wide, 5 3/4" high, 9 1/4" deep; weight, 12 lbs. Price \$76.50. Lafayette Radio.

1. LT-78C, AM-FM-stereo tuner ..... \$89.50

## LEAK

• **"Trough Line II" FM-Stereo Tuner.** An ideal companion for the "Point One" stereo preamplifier.

**Specifications:** FM: Tube complement (2) ECF80, ECC84, ECC85, EF80, EM84, EZ80 (2) OA79 cascade front end; no. of i.f. stages 3; type of detector Foster Seely; type of tuning indicator maximum closure; output signal 1 volt; no. of outputs 2; controls—tune, volume, on-off; switches—a.f.c., local-distance; IIF usable sensitivity 2 $\mu$ v; drift 15 kc without a.f.c. (3 kc with); dimensions: 10 1/2" wide, 3 3/4" high, 7 3/4" deep; weight, 11 lbs. Other features: cathode follower—sensitivity switch for locations of high signal strength. Accessories: Supplied with color inserts to match room decor. Price \$149.00. Ercona Corp.

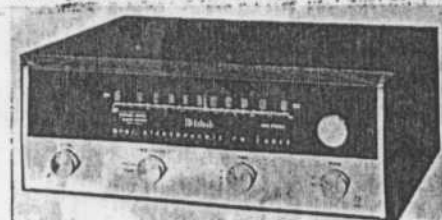
## MARANTZ

• **Model 10 FM-Stereo Tuner.** A no-compromise tuner incorporating an unusual visual-display tuning and multipath indicator. New i.f. circuit eliminates alignment problems.

**Specifications:** 22 tubes plus CRT; 6 i.f. stages; Foster-Seely detector; CRT tuning indicator; controls—scope centering, tuning; switches—stereo test, automatic-mono, muting, power, panel dim; freq. resp.  $\pm 1$  db from 20 to 15,000 cps; signal-to-noise 70 db; IIF usable sensitivity 0  $\mu$ v; adj. channel rejection 100 db; alt. channel rej. 135 db; IIF usable sensitivity 1.5  $\mu$ v; AM suppression 70 db; harmonic distortion (100% mod.) 0.5%; stereo separation 30 db, 20 to 15,000 cps; dimensions: 15 1/2" wide, 5 3/4" high, 15" deep; weight, 30 lbs. Price \$555.00 (\$565 West). Marantz Co.

## McINTOSH

• **MR67 FM-Stereo Tuner.** A sensitive FM multiplex stereo tuner having the new McIntosh "PANLOC" mounting method and a front panel MULTIPATH indicator.

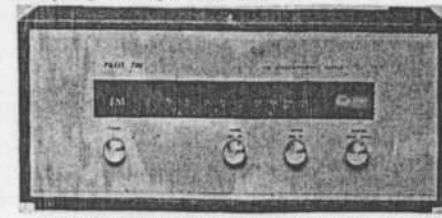


**Specifications:** 13 tubes/12 semiconductors; Nuvistor front end; 4 i.f. stages; 2 audio stages; electronic tuning indicator; output signal 2.5 volts; 4 outputs; controls—tuning, volume; switches—Mode, Power, Muting, Multipath-signal strength; freq. resp.  $\pm 1/2$  db from 20 to 20,000 cps; signal-to-noise ratio 70 db; capture ratio 1.7 db; IIF usable sensitivity 2.5  $\mu$ v; harmonic distortion (100% mod.) 0.5%; stereo separation 30 db; peak detecting—self matrixing stereo circuit; drift 25 kc; dimensions: 16" wide, 5 7/16" high, 13" deep, weight, 24 1/2 lbs. Price \$299.00. McIntosh Lab.

1. MX110, FM-stereo tuner-Preamplifier \$399.00
2. MR65B, FM-stereo tuner ..... \$329.00

## PILOT

• **Model 780.** High performance FM/FM-stereo tuner. Excellent capture ratio and signal-sampling multiplex circuit.



**Specifications:** 9 tubes; 4 i.f. stages; ratio detector; 2 audio stages; center-zero meter tuning indicator; output signal 1.5 volts; 2 outputs; controls—tuning, output level; switches—power, selector, muting (FM); freq. resp.  $\pm 1$  db from 20 to 20k cps; capture ratio 1 db; selectivity 44 db, alt. channel; IIF usable sensitivity 1.8  $\mu$ v; harmonic distortion (100% mod.) 0.25%; stereo separation 30 db; synchronous switching stereo circuit; drift 30 kc max.; dimensions: 15 1/4" wide, 6 1/4" high, 12 3/4" deep. Price \$199.50 (old walnut enclosure, \$22.50 addit.) Pilot Radio.

1. 285, FM-AM stereo tuner ..... \$159.50
2. 280B, FM-stereo tuner ..... \$ 99.95
3. Mark III, Basic FM tuner ..... \$ 49.95

## PIONEER

• **AFT-15 AM-FM-Multiplex Tuner.** The Pioneer AFT-15 is a precision-engineered tuner that is a companion unit to the Pioneer SM-500 integrated stereophonic amplifier. It incorporates a cascade r.f. tuning circuit using the latest Nuvistor.



**Specifications:** FM: 10 tube; cascade front end; 3 i.f. stages; Foster-Seely detector; eye-tube tuning indicator; output signal 1 volt; 2 outputs; switches—afe on-off, sensitivity, selector, distant-local; freq. resp.  $\pm 1$  db from 30 to 15,000 cps; signal-to-noise ratio 50 db; IIF usable sensitivity 1.5  $\mu$ v; AM suppression 60 db; harmonic distortion (100% mod.) 0.5%; stereo separation 30 db; time-division switching stereo circuit; reactance tube a.f.c. circuit; drift less than 10 kc; dimensions: 15 11/32" wide, 5 20/32" high, 13 37/64" deep; weight, 19 lbs. AM: 3 tube Super-heterodyne circuit; 3-gang tuning capacitor; 1 i.f. stage; eye-tube tuning indicator; switches: i.f. bandwidth selector; IIF usable sensitivity 6.3  $\mu$ v; freq. resp.  $\pm 1$  db from 30 to 15,000 cps; harm. dist. 0.5%. Pioneer.

## H. H. SCOTT

• **310E FM/MPX Tuner.** Features are: 1. "Auto-Sensor" circuitry for fully automatic operation; 2. Inter-station noise suppressor; 3. Convenient front-panel recorder output jack; 4. Stereo Threshold; 5. Three limiting stages.

**Specifications:** 13 diodes, 15 tube; cascade front end; 4 i.f. stages; ratio detector; 2 audio stages; meter tuning indicator; output signal 1.2-2 volts; 2 sets of outputs; controls "Dynaaural," squelch, stereo threshold, tuning; switches: selector, a.g.c., function; freq. resp.  $\pm 1$  db from 30 to 15k cps; signal-to-noise ratio 65 db; IIF volume sensitivity 0  $\mu$ v; capture ratio 2.2 db; sensitivity 50 db;



IIF usable sensitivity 1.9  $\mu$ v; AM suppression 60 db; harmonic distortion (100% mod.) 0.5%; stereo separation 30+ db; time-switching stereo circuit; drift 20 kc; dimensions in case: 15 1/2" wide, 15 3/4" high, 13 3/4" deep; weight, 14 lbs. Price \$279.95. H. H. Scott, Inc.

1. 4312 transistor FM/mpx tuner .... \$265.00
2. 4310 FM/mpx tuner ..... \$475.00

## SHERWOOD

• **S2100II FM-MPX-AM Stereo Tuner.** The Model S2100II enables you to enjoy modern stereocasts via FM multiplex. Front-panel controls and complete FM-multiplex stereo circuitry are furnished to provide low-distortion stereo reception. The S2100II also features the reception of AM broadcasts with the excellent fidelity afforded by the 15-ke-wide "hi-f" band



pass. A sharply selective 5-ke pass-band is also selectable on the front panel for "pulling-in" weaker AM broadcasts. Stereo-MX programs are each identified on the S2100II by the instant indication on Sherwood's new Stereo-lite.

**Specifications:** FM: tube complement 12 tubes, 9 diodes, rectifier; type of front end cascade r.f. amp; no. of i.f. stages 2; type of detector balanced; zero-center meter tuning indicator; output signal 1.2 volts; controls tuning, selector; switches off-on, hush; freq. resp.  $\pm 0.5$  db from 20 to 20,000 cps; signal-to-noise ratio 60 db; selectivity 200 kc at -3 db; IIF usable sensitivity 1.8  $\mu$ v; harmonic distortion (100% mod.) 1/4%; drift 15 kc; dimensions: 14" wide, 4" high, 12 1/2" deep; weight, 24 lbs. AM; type of circuit superhet; type of detector diode; no. of i.f. stages 1; meter tuning indicator; usable sensitivity 2  $\mu$ v at 60% mod. for 0.5 v. out. 6 db S/N; freq. resp. (wide) -6 db from 20 to 7500 cps. Price, \$200.50. Sherwood Electronic Labs.

## BASIC TUNER KITS

### DYNAKIT

• **FM-1 Tuner Kit plus FMX-3 Multiplex Integrator Kit.** The FM-1 is a high performance mono tuner, with provision for adding the FMX-3 multiplex integrator at any time, which converts it to a fully-automatic stereo FM tuner.

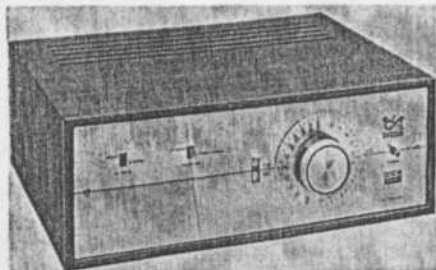




**Specifications:** 9 tubes; cathode-coupled front end; 4 i.f. stages; balanced bridge detector; 2 audio stages; EM-84 tuning indicator; output signal 2 volts; 2 outputs; controls—tuning; volume; switches—on-off; freq. resp.  $\pm 0.5$  db from 10 to 40,000 cps; signal-to-noise ratio 70 db; IHF volume sensitivity 0  $\mu$ v; capture ratio 5 db; selectivity 54 db; IHF usable sensitivity 4  $\mu$ v; AM suppression 63 db; harmonic distortion (100% mod.) 0.25%; stereo separation 30 db; envelope detection stereo circuit; drift less than 30kc; dimensions: 13" wide, 4" high, 8" deep; weight, 12 lbs. Other features—fully automatic electronic switching from mono to stereo with indicator light. Price, \$109.90. Dynaco, Inc.

## EICO

• **220K FM-Stereo Tuner Kit.** A new design featuring new styling and top performance in an easy-to-build kit.



**Specifications:** 11 tubes; 4 i.f. stages; ratio detector; eye tube tuning indicator; output signal 1 volt; signal-to-noise ratio 55 db; capture ratio 3 db; IHF usable sensitivity 3  $\mu$ v; harmonic distortion (100% mod.) 0.6%; stereo separation 30 db; dimensions: 15 1/2" wide, 5 1/2" high, 11 1/2" deep; weight, 12 lbs. Price, \$92.50. Eico.

1. ST97 FM-stereo tuner ..... \$99.95
2. ST96 FM-AM stereo tuner ..... \$89.95
3. HFT90A FM tuner ..... \$39.95
4. HFT94 AM tuner ..... \$39.95
5. HFT92 FM-AM tuner ..... \$59.95

## FISHER

• **KM-60 FM-Stereo Tuner.** The KM-60 is a quality tuner which features "Stereo Beam" (indicates the presence of stereo programming), a stereo noise filter, and the ease of construction which characterizes the Strata-Kit line. Critical stages are prealigned at the factory, and the final touch-up for perfect alignment is easily accomplished with the aid of the built-in tuning meter. Level controls are provided for the precise balancing of the two channels, and an input attenuator is included to prevent overloading of the front end by nearby stations. The tuner is designed to be the equivalent of a factory-wired Fisher tuner.

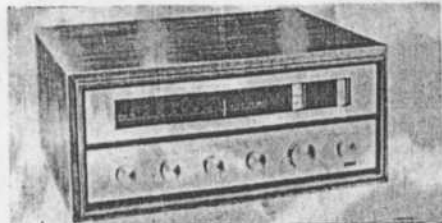


**Specifications:** 11 tubes, 12 diodes; cascade front end; 4 i.f. stages; ratio detector; 2 audio stages; meter tuning indicator; output signal 2.0 volts; 4 outputs; controls—tuning; switches—selector, stereo filter, power; freq. resp.  $\pm 1$  db from 20 to 15,000 cps (after de-emphasis); signal-to-noise ratio 70 db; IHF volume sensitivity below noise level; capture ratio 2.5 db; selectivity 60 db; IHF usable sensitivity 1.8  $\mu$ v; AM suppression 50 db; harmonic distortion (100% mod.) 0.5%; stereo separation 35 db; time-division multiplex stereo circuit; drift 0.01%; dimensions: 15 1/2" wide, 4 1/8" high, 13" deep; weight, 18 lbs. Price, \$169.50. Fisher Radio.

## HARMAN-KARDON

• **Citation IIIX FM-Stereo Tuner.** All the complex stages pre-aligned and adjusted at factory. Features: wide-band circuitry, excellent sound quality, built-in multiplex adapter, and high stability.

**Specifications:** 7 tubes; Nuvistor front end; 3 i.f. stages; Foster-Seely detector; 2 audio stages; Level & Balance tuning meters; output signal 2 volts; 3 outputs; controls—



a.f.c., loudness, tuning; switches—on/off, range selector, function, muting; freq. resp.  $\pm 0.5$  db from 1 to 52,000 cps; signal-to-noise ratio 75 db; IHF volume sensitivity 0  $\mu$ v; capture ratio 3.5 db; IHF usable sensitivity 1.65  $\mu$ v; AM Suppression 70 db; harmonic distortion (100% mod.) 0.1%; stereo separation 30 db; switching stereo circuit; solid-state a.f.c. circuit; drift  $\pm 5$  kc; dimensions: 14 1/2" wide, 6" high, 12 1/2" deep; weight, 35 lbs. Other features: Completely assembled FM cartridge eliminates problems of i.f. alignment, oscillator adjustment, and lead length. Price, \$230.00. Harman-Kardon.

1. Award F50XK, FM-stereo tuner kit.. \$129.95

## HEATHKIT

• **Transistor AM/FM-Stereo Tuner Model AJ-43.**

**Specifications:** FM: 7 transistors; grounded base r.f. stage front end; 4 i.f. stages; ratio detector; meter tuning indicator; output signal 0.5 volts; 2 outputs; controls—tuning, squelch, level, meter; switches—a.f.c., mode, signal strength, on-off; freq. resp.  $\pm 1$  db from 20 to 20,000 cps; signal-to-noise ratio 40 db; IHF volume sensitivity 1.0  $\mu$ v; capture ratio 7.5 db; selectivity 30 db; IHF usable sensitivity 2.5  $\mu$ v; AM suppression 35 db; harmonic distortion (100% mod.) 1.0%; stereo separation 40 db; automatic switching stereo circuit; diode a.f.c. circuit; dimensions: 15 1/2" wide, 5 1/4" high, 14 1/4" deep; weight, 18 lbs. AM: 4 transistors; r.f. amp superhet circuit; 3-gang tuning capacitor; diode detector; 1 i.f. stage; meter tuning indicator; controls—tuning, level, meter; switches—mode; IHF usable sensitivity 5  $\mu$ v; IHF volume sensitivity 3.0  $\mu$ v; freq. resp.  $\pm 3$  db from 20 to 5000 cps; harm. dist. 1.0%. Other features 10 kc whistle filter. Price, \$119.95. Heath Co.

1. Deluxe AM/FM-stereo tuner, model AJ-41 ..... \$119.95
2. Transistor AM/FM-stereo tuner, model AJ-33 ..... \$ 99.95
3. AM/FM-stereo tuner, model AJ-32 ..... \$ 89.95
4. FM-stereo tuner, model AJ-12 ..... \$ 69.95

## KNIGHT-KIT

• **KG-70 Transistor AM-FM-Stereo Tuner Kit.** All-transistor construction. Factory wired and aligned FM front end and i.f. FM-AM signal-strength tuning meter. Edge illuminated dial. Automatic stereo indicator light.

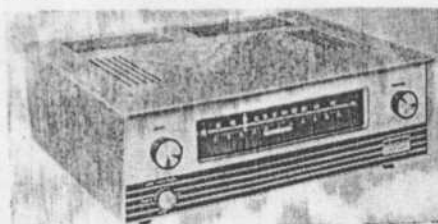
**Specifications:** FM: 15 trans., 15 diodes; 2 i.f. stages; ratio detector; 3 audio stages; meter tuning indicator; output signal 1 volt; 4 outputs; controls—selector, tune; switches—power, a.f.c.; freq. resp.  $\pm 1$  db from 20 to 20,000 cps; signal-to-noise ratio 30 db; selectivity 3 db; IHF usable sensitivity 2  $\mu$ v; AM Suppression 50 db; harmonic distortion (100% mod.) 1%; stereo separation 30 db; envelope detection stereo circuit; dimensions: 11" wide, 2 1/4" high, 9 1/4" deep; weight, 8 lbs. AM: 3-gang tuning capacitor; diode detector; 2 i.f. stages; meter tuning indicator; IHF usable sensitivity 3  $\mu$ v. Other features: Built-in ferrite loopstick AM-FM 300-ohm folded dipole. Price, \$99.95 less case. Walnut case, \$12.95, metal case, \$5.95. Allied Radio.

1. KG-50, AM-FM-stereo tuner kit ..... \$69.95
2. KF-90, AM-FM-stereo tuner kit ..... \$99.95
3. KG-65, AM-FM tuner ..... \$49.95
4. KG-35, FM tuner ..... \$35.95

## LAFAYETTE

• **KT-650.** Multiplex output, low distortion, silicon rectifier.

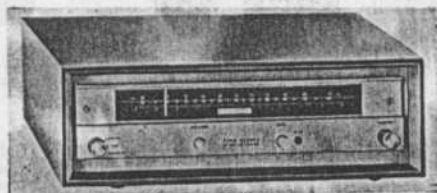
**Specifications:** 8 tubes; grounded grid front end; 4 i.f. stages; Foster-Seely detector; 1



audio stage; EM-84 tuning indicator; output signal 1.75 volts; controls—variable a.f.c., level, tuning; switches—power; freq. resp.  $\pm 1/2$  db from 15 to 35,000 cps; signal-to-noise ratio 57 db; capture ratio 8 db; IHF usable sensitivity 3  $\mu$ v; AM suppression 48 db; harmonic distortion (100% mod.) 0.15%; reactance tube a.f.c. circuit; dimensions: 14" wide, 5" high, 11" deep; weight, 13 1/2 lbs. Price, \$54.50. Lafayette Radio.

## PACO

• **Model ST-55MX FM-Stereo Multiplex Tuner.** Multiplex noise filter cancels high-frequency noise without distorting the full frequency range of the audio signal. EMS4 tuning eye indicator for accurate station tuning and signal strength indication. Soft Gold, Solid Aluminum Control Panel.

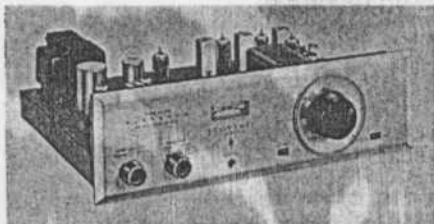


**Specifications:** 12 tubes; grounded-grid front end; 4 i.f. stages; Foster-Seely detector; eye tube tuning indicator; output signal 1.5 volts; 2 outputs; controls—tuning; switches—power, a.f.c., function sel; freq. resp.  $\pm 1$  db from 20 to 15k cps; IHF usable sensitivity 2.5  $\mu$ v; harmonic distortion (100% mod.) 1%; stereo separation 30 db; matrixing stereo circuit; reactance tube a.f.c. circuit; dimensions: 15 1/2" wide, 5 1/2" high, 11 1/2" deep; weight, 23 lbs. Price, \$109.95 (less enclosure). Paco.

1. ST-55MXK, semi-kit ..... \$139.95
2. ST-25MX, FM-stereo tuner kit ..... \$ 69.95 (less enclosure)

## H. H. SCOTT

• **LT-110 FM/mpx Tuner Kit.** The new LT-110 utilizes the same front end used in the famous Scott 310D "Broadcast Monitor" tuner. The front end and multiplex sections are pre-wired and pre-aligned at the factory eliminating the need for elaborate test equipment in alignment. The silver-plated front end, copper-bonded-to-aluminum chassis and Wide-Band design all contribute to an IHF sensitivity of 2.2 microvolts. The L-T-110 uses a simplified Ez-A-Line method. Foolproof stereo indicator.



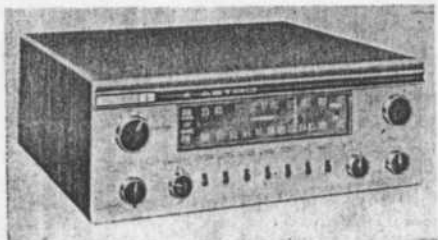
**Specifications:** 9 tubes, 12 diodes; cascade front end; 3 i.f. stages; ratio detector; 2 audio stages; meter tuning indicator; output signal 1.2-2 volts; 4 outputs; controls—"Sonic Monitor" selector; switches—stereo noise filter, age, "Sonic Monitor," Pwr/Mono/Stereo/Filter in; freq. resp.  $\pm 1$  db from 30 to 15k cps; signal-to-noise ratio 60 db; IHF volume sensitivity 0  $\mu$ v; capture ratio 6.0 db; selectivity 35 db; IHF usable sensitivity 2.2  $\mu$ v; AM Suppression 55 db; harmonic distortion (100% mod.) 0.8%; stereo separation 30 + db; time-switching stereo circuit; drift 20 kc; dimensions in case: 15 1/2" wide, 5 1/4" high, 13 1/4" deep; weight, 12 lbs. Price, \$104.95. H. H. Scott, Inc.

1. LT-111, FM/mpx tuner ..... \$119.95

## TUNER-AMPLIFIERS

### ALTEC

• **708A Astro, AM-FM Stereo Tuner-Amplifier.** This tuner-amplifier is typical of the best grade of equipment that can be found in the home and thus serves ideally for checking the broadcast or recorded product in the exact manner in which it will be heard by the final listener-customer. It features power transis-



tors in the output stage to provide transient response as well as 55 watts output with low heat generation, allowing the unit to be mounted safely in fine executive cabinetry.

**Specifications:** FM: Total of 18 tubes, 12 transistors, 5 diodes for set; cascade front end; eye tube tuning indicator; IHF usable sensitivity 2  $\mu$ v; stereo separation 30 db; time division stereo circuit. AM: eye tube tuning indicator; sensitivity 2.9  $\mu$ v. **AMPLIFIER:** Freq. resp. 20 to 20,000 cps  $\pm$  1 db; IHF music power output 27.5 watts per channel; harmonic distortion, 1% at 20 watts from 25 to 10,000 cps; sensitivity, input for 20-watt output at 1000 cps—phono, 4 mv, aux. 450 mv; damping factor 10; output impedances 4, 8, 16 ohms; dimensions, 15" wide, 5 1/2" high, 14 1/4" deep; weight, 28 lbs. Price \$570.00. Altec-Lansing.

## BELL

• **2445-S2 Stereo Receiver.** The 2445-S2 face plate is brushed-gold finish, and the case is finished in walnut-color vinyl-clad steel. Amplifiers have individual bass and treble controls. The tuner has meters for tuning and antenna orientation.

**Specifications:** FM: 8 tubes; cascade front end; 3 i.f. stages; ratio detector; 1 audio stage; meter tuning indicator; output signal 1.5 volts; 3 outputs; switches—mono-stereo tape monitor, a.f.c. filter, contour; freq. resp.  $\pm$  2 db from 30 to 53k cps; signal-to-noise ratio 55 db; IHF volume sensitivity 1.2  $\mu$ v; capture ratio 4 db; sensitivity 250ke—6 db; IHF usable sensitivity 1.8  $\mu$ v; harmonic distortion (100% mod.) 0.4%; stereo separation 28 db; switching stereo circuit; reactance tube a.f.c. circuit; drift  $\pm$  5 kc; AM: 4 tubes; superhet circuit; 3-gang tuning capacitor; 2 i.f. stages; meter tuning indicator; IHF usable sensitivity 3  $\mu$ v; IHF volume sensitivity 2  $\mu$ v; freq. resp.  $\pm$  3 db from 30 to 8k cps; harm. dist. 1%. **AMPLIFIER:** Freq. resp. 35 to 20k cps  $\pm$  1 db at 1 watt output; power bandwidth, 50 to 20k cps; IHF music power output 22 watts per channel; power output, rms, 18 watts per channel; harmonic distortion, 1% at 1 watt from 35 to 20k cps; IM distortion 0.8% at 5 watts; hum and noise, 76 db below 22-watt output; sensitivity, input for rated output—phono, 3 mv, aux. 0.1 volts; damping factor 4; output impedances 4, 8, 16 ohms; inputs—3 phono, 1 tape head, 1 tape amp, 1 aux; dimensions, 17 3/16" wide, 5 7/16" high, 13 3/4" deep; weight, 35 lbs. Price \$319.95. Bell Sound.

1. 2425-S2 30 watt AM-FM stereo receiver ..... \$269.95

## BOGEN

• **RP60 FM/AM Stereo Receiver.** Combining an FM/AM stereo tuner with an integrated stereo preamplifier and 60-watt amplifier, the RP60, heart of the home music system, represents flexibility in a single unit. For FM broadcasts, the RP60 is equipped with a "Stereo-Minder" indicator that lights up when a station is transmitting in FM stereo. For private enjoyment of stereo, the RP60 has been designed with an outlet on the front panel for stereo headphones. Brushed gold finish adds decorator look.

**Specifications:** FM: 10 tubes + 6 diodes; grounded-grid front end; 3 i.f. stages; ratio detector; electronic eye tuning indicator; 5 outputs; controls—program sel, mode, volume, balance, bass treble, power, tuning; switches—rumble filter, scratch filter, loudness, tape monitor, a.f.c., stereo filter; freq. resp.  $\pm$  1 db from 20 to 20,000 cps; signal-to-noise ratio 60 db; IHF volume sensitivity  $\pm$  5  $\mu$ v; capture ratio 4 db; selectivity 40 db; IHF usable sensitivity 2.5  $\mu$ v; AM suppression 50 db; harmonic distortion (100% mod.) 0.5%; stereo separation 30 db; time division stereo circuit; reactance tube a.f.c. circuit; drift 20 kc; dimensions: 15 15/16" wide, 5 1/4" high, 15" deep; weight, 28 lbs. AM: 4 tubes + 1 diode; superhet circuit; 3-gang tuning capacitor; 2 i.f. stages; electronic eye tuning indicator; IHF usable sensitivity 10  $\mu$ v; IHF volume sensitivity 10  $\mu$ v; freq. resp.  $\pm$  3 db from 30 to 5000 cps; harm. dist. 1%. **AMPLIFIER:** Freq. resp. 20 to 30,000 cps  $\pm$  1 db at 60 watts output; power bandwidth, 50 to 15,000 cps; IHF music power output 30 watts per channel; power output, rms, 27 watts per

channel; harmonic distortion, 0.6% at rated output; IM distortion 0.3% at 2.5 watts; hum and noise, 50 db below 1 watt output; sensitivity, input for rated output—phono, 4.5 mv, aux. 0.5 volts; output impedances 4, 8, 16 ohms; inputs—2 phono, 2 tape head, 2 tape amp, 2 aux. Price \$314.95. Bogen.

1. RPF60 FM-stereo rec., 60-w. amp. . . \$279.95
2. RP100-BM FM-AM mono rec., 15-w \$186.60

## FISHER

• **500-C 75-Watt Stereo Multiplex Receiver.** The FISHER 500-C consists of an FM-multiplex tuner, a master audio control center, and a 75-watt dual-channel power amplifier combined on the same chassis. Featuring four wide-band i.f. stages, three short-time-constant limiters, and a 1-mc-wide detector bandwidth. Multiplex is derived by the use of a synchronous oscillator in conjunction with two balanced diode bridges. The control center provides facilities for tape monitoring, a full complement of controls and filters, and an earphone jack. "Stereo Beacon" automatically switches the receiver between the stereo- and monophonic modes of operation.



**Specifications:** FM: 24 tubes, 6 diodes, sil. rect.; golden synchrode front end; 4 i.f. stages; ratio detector; "Stereo Beacon" and meter tuning indicator; signal-to-noise ratio 80 db; IHF volume sensitivity below noise level; capture ratio 2.5 db; selectivity 60 db; IHF usable sensitivity 1.8  $\mu$ v; AM suppression better than 50 db; harmonic distortion (100% mod.) 0.5%; stereo separation 35 db; time-division multiplex stereo circuit; drift 0.01%. **AMPLIFIER:** Freq. resp. 25 to 25,000 cps  $\pm$  1.5 db at 2 watts output; power bandwidth, 20 to 20,000 cps; IHF music power output 37.5 watts per channel; power output, rms, 33 watts per channel; harmonic distortion, 0.5% at 75 watts at 1 kc; IM distortion 0.7% at 70 watts; hum and noise, 80 db below 75 watt output; sensitivity, input for rated output—phono, 3.3 mv, aux. 0.23 volts; damping factor 10; output impedances 4, 8, 16 ohms; inputs—4 phono, 2 tape head, 2 tape monitor, 2 aux; dimensions, 17 1/2" wide, 5 1/4" high, 13 1/2" deep; weight, 36 1/2 lbs. Price \$389.50. Walnut and mahogany cabinets available. Fisher Radio.

1. 400, 60-watt FM-stereo rec. . . . . \$329.50
2. 800-C, 75-watt AM-FM-stereo rec. . \$449.50

## GROMMES

• **502M 30-Watt FM/AM Stereo Receiver.** A compact FM/AM receiver requiring only two speakers to complete the system. FM section has flywheel tuning, "stereo-sentry" tuning indicator and a.f.c. Matched-ganged controls simplify operation.

**Specifications:** FM: 17 tubes + 11 diodes; grounded-grid front end; 3 i.f. stages; bal. ratio detector; bar tube tuning indicator; controls—tuning, selector, loudness, balance, bass treble; switches—stereo-mono, contour, a.f.c., power; freq. resp.  $\pm$  1 db from 20 to 20,000 cps; signal-to-noise ratio 60 db; capture ratio 5 db; selectivity 300 kc; IHF usable sensitivity 4  $\mu$ v; AM suppression 50 db; harmonic distortion (100% mod.) 0.5%; stereo separation 35 db; switching stereo circuit; reactance tube a.f.c. circuit; drift 10 kc; dimensions: 13 1/4" wide, 4 15/16" high, 13 1/4" deep. AM: superhet circuit; 2-gang tuning capacitor; 1 i.f. stage; bar tube tuning indicator; IHF usable sensitivity 10  $\mu$ v; freq. resp.  $\pm$  3 db from 20 to 6500 cps; harm. dist. 1.0%. **AMPLIFIER:** Freq. resp. 20 to 20,000 cps  $\pm$  1 db at 1 watt output; power bandwidth, 30 to 20,000 cps; IHF music power output 15 watts per channel; power output, rms, 15 watts per channel; harmonic distortion, 1% at 10 watts from 40 to 15,000 cps; IM distortion 2% at 15 watts; hum and noise, 72 db below 15 watt output; sensitivity, input for rated output—phono, 6 mv, aux. 0.25 volts; damping factor 4.5; output impedances 4, 8, 16 ohms; inputs—1 phono, 1 tape head, 1 aux. Price \$199.95. Cover, \$7.50. Grommes.

1. 500M 70-watt stereo rec. . . . . \$299.95

## HARMAN-KARDON

• **Model TA7000X 70-Watt AM/FM, FM-Stereo Receiver.** AM/FM and FM-stereo tuner, stereo preamp with input facilities and controls for every purpose, plus 70-watt amplifier capable of driving modern speaker systems. Special features: "Stereo Logic" circuit automatically switches tuner to stereo; stereo light, stereo headphone, tape monitor, solid-state power supply, massive output transformers.

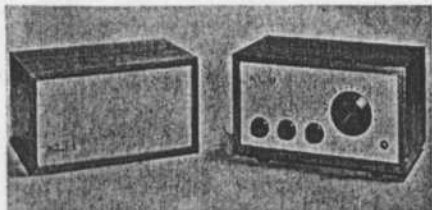


**Specifications:** FM: 9 tube sections; low-noise triode front end; 4 i.f. stages; solid-state Foster-Seely detector; D'Arsonval meter tuning indicator; output signal 1 volt; 2 tape outputs; controls—gain, blend, balance, tuning, tone, function; switches—stereo normal/reverse, lo-cut, hi-cut, equal, contour, mode, on/off; freq. resp.  $\pm$  1 db from 15 to 70,000 cps; signal-to-noise ratio 70 db; IHF volume sensitivity 0  $\mu$ v; capture ratio 5 db; IHF usable sensitivity 3.2  $\mu$ v; AM suppression 50 db; harmonic distortion (100% mod.) 0.1%; stereo separation 30 db; switching stereo circuit; reactance tube a.f.c. circuit; drift  $\pm$  10 kc. AM: 4 tube; superheterodyne circuit; 3-gang tuning capacitor; 2 i.f. stages; level meter tuning indicator; IHF usable sensitivity 80  $\mu$ v; freq. resp.  $\pm$  3 db from 50 to 5000 cps; harm. dist. 1%. **AMPLIFIER:** Freq. resp. 12 to 70,000 cps  $\pm$  1 db at 1 watt output; power bandwidth, 40 to 30k cps; IHF music power output 35 watts per channel; power output, rms, 30 watts per channel; harmonic distortion, 1% at 30 watts from 40 to 20k cps; IM distortion 1% at 30 watts; hum and noise, 85 db below 30-watt output; sensitivity, input for rated output—phono, 2.0 mv, aux. 200 mv; damping factor 15; output impedances 4, 8, 16 ohms; inputs—2 phono, 2 tape head, 2 tape amp, 2 aux; dimensions, 16" wide, 6 1/4" high, 13 1/2" deep; weight, 40 lbs. Price \$339.95. Metal enclos., \$12.95, walnut enclos., \$29.95. Harman-Kardon.

1. TA3000X 30-watt stereo FM-AM rec. \$249.95

## KLH

• **Model Eight FM Recording System.** A complete FM receiving system housed in two walnut cabinets, each of which measures 10 1/2" w x 5 1/2" h x 6 1/2" d. One section consists of a

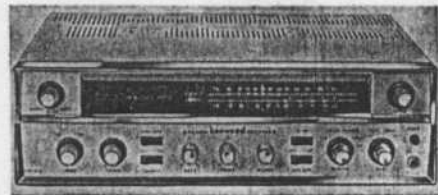


tuner-amplifier; the other section contains a wide-range speaker system. Jacks are provided to permit the use of the tuner section with other equipment and for the addition of a multiplex adapter. Weight 15 lbs. \$159. Aux. speaker \$54. Stereo adapter, \$104.00. KLH.

## KENWOOD

• **KW-40, 40-Watt Stereo Receiver.** A complete receiving system in a compact package including AM, FM, FM-stereo, amplifier, and audio control center.

**Specifications:** FM: 10 tubes, 4 diodes; 4 i.f. stages; ratio detector; 1 audio stage; meter tuning indicator; output signal 2 volts; 2 outputs; controls—dimension; switches—selector, a.f.c.; freq. resp.  $\pm$  1 db from 20 to 20,000 cps; IHF usable sensitivity 1.0  $\mu$ v;

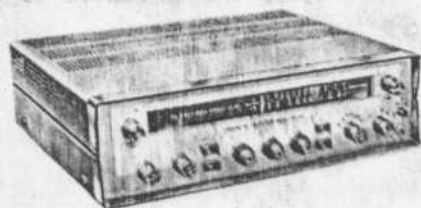




harmonic distortion (100% mod.) 1%; stereo separation 38 db; matrix stereo circuit; AM: 3 tubes, 1 diode, superhet circuit; 3-gang tuning capacitor; 1 i.f. stage; meter tuning indicator; switches—selector, a.v.c.; IHF usable sensitivity 20  $\mu$ v; freq. resp.  $\pm 1/2$  db from 50 to 15,000 cps. **AMPLIFIER:** freq. resp. 20 to 30,000  $\pm 1/2$  db; IHF music power output 20 watts per channel; power output, rms, 18 watts per channel; harmonic distortion, 1%; sensitivity, input for rated output—phono, 3 mv, aux. 0.03 volts; output impedances 8, 16 ohms; inputs—phono, tape head, tape amp, aux. crystal; dimensions, 17 3/4" wide, 5 1/2" high, 14" deep; weight, 31 lbs. Kenwood Elect.

## LAFAYETTE

• **J.A.-226C 40-Watt FM/AM Stereo Receiver.** "Pilot Monitor" Stereo indicator shows when station is tuned to FM stereo multiplex broadcast. 2 3-gang tuning capacitors, front panel stereo headphone receptacle.



**Specifications:** FM: 20 tube/7 diodes; ratio detector; EM-84 tuning indicator; freq. resp.  $\pm 0.5$  db from 20 to 20,000 cps; IHF usable sensitivity 3.5  $\mu$ v; harmonic distortion (100% mod.) 0.7%; stereo separation 30 db; matrix stereo circuit; reactance a.f.c. circuit; dimensions: 17 1/2" wide, 5 3/4" high, 15" deep; weight, 45 lbs. AM: 3-gang tuning capacitor; EM-84 tuning indicator; controls—concentric bass/treble, blend volume, balance, dimension, hum balance; switches—5-position program selector, mode, FM noise filter, rumble filter, speaker/headphone switch, phase, loudness, on-off, a.f.c., spk. impedance. **AMPLIFIER:** Freq. resp. 20 to 20,000 cps  $\pm 2$  db at 40 watts output; IHF music power output 20 watts per channel; power output, rms, 18 watts per channel; harmonic distortion, 1.5% at 20 watts from 20 to 20,000 cps; hum and noise, 80 db below 1 watt output; sensitivity, input for rated output—phono 2 mv, aux. 0.1 volts; output impedances 8, 16 ohms; inputs—4 phono, 2 tape head. Price \$189.95. Lafayette Radio.

## PILOT

• **Model 746.** Integrated, high performance AM/FM/FM-stereo receiver. Excellent capture ratio, extremely low distortion. Center-speaker output, headphone jack, flywheel tuning, built-in AM and FM antenna.

**Specifications:** FM: 9 tubes; cascode front end; 4 i.f. stages; ratio detector; 2 audio stages; center-zero meter tuning indicator; output signal 1.5 volts; 2 outputs; controls—tuning, volume, balance, bass, treble; switches—phono input selector, FM muting, loudness, tape mon., rumble, funct. selector, mode, power (auto shutoff), spkr. selector, scratch; freq. resp.  $\pm 1$  db from 20 to 20,000 cps; IHF volume sensitivity 1.8  $\mu$ v; capture ratio 1 db; selectivity 44 db alt. channel; IHF usable sensitivity 1.8  $\mu$ v; harmonic distortion (100% mod.) 0.25%; stereo separation 30 db; synchronous switching stereo circuit; drift 30 kc; dimensions: 17 1/2" wide, 6 1/4" high, 13 5/16" deep. AM: 5 tubes; 3-gang tuning capacitor; 2 i.f. stages; meter tuning indicator; IHF usable sensitivity 3  $\mu$ v; IHF volume sensitivity 5  $\mu$ v; freq. resp.  $\pm 3$  db from 20 to 6000 cps; harm. dist. 0.5%. **AMPLIFIER:** Freq. resp. 10 to 40,000 cps  $\pm 1$  db at 1 watt output; power bandwidth, 22 to 23k cps; IHF music power output 30 watts per channel; power output, rms, 22 watts per channel; harmonic distortion, 0.5% at 22 watts from 30 to 15k cps; IM distortion 0.25% at 22 watts; hum and noise, 80 db below 22-watt output; sensitivity, input for rated output—phono, 3.5 mv, aux. 0.12 volts; output impedances 4, 8, 16 ohms; inputs—4 phono, 2 tape head, 2 tape amp; dimensions, 17 1/2" wide, 6 1/4" high, 3 5/16" deep. Price \$399.50. Oiled walnut enclosure, \$27.50. Pilot Radio.

• **610 FM-stereo 24-watt rec. .... \$199.50**  
with cover  
• **625A FM-stereo 30-watt rec. .... \$249.50**  
with cover  
• **625A AM-FM-stereo 30-watt rec. ... \$299.50**  
with cover  
• **654MA FM-stereo 60-watt rec. .... \$329.50**  
with cover

## PIONEER

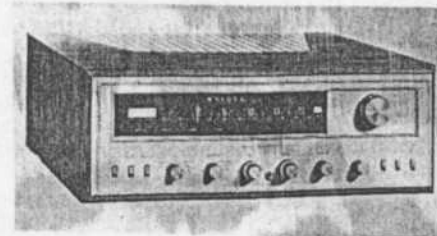
• **SM-600 Tuner-Amplifier.** The Pioneer SM-600 tuner-amplifier is a complete stereophonic receiver with an output of 40 watts per channel. It provides reception of all radio broadcasts, including AM, FM, and FM multiplex stereo. The preamplifier section is designed for maximum versatility and is capable of accommodating all forms of inputs.



**Specifications:** FM: 10 tube; cascode front end; 3 i.f. stages; Foster Seely detector; eye-tube tuning indicator; output signal 1 volt; 1 output; controls—tuning; switches—a.f.c. defeat, distant/local; freq. resp.  $\pm 1$  db from 30 to 15,000 cps; signal-to-noise ratio 50 db; IHF usable sensitivity 1.5  $\mu$ v; AM suppression 60 db; harmonic distortion (100% mod.) 0.8%; stereo separation 30 db; time-division switching stereo circuit; reactance tube a.f.c. circuit; drift 10 kc; AM: 3 tube; super-heterodyne circuit; 3-gang tuning capacitor; 1 i.f. stage; eye-tube tuning indicator; switches—bandwidth selector; IHF usable sensitivity 6.3  $\mu$ v; freq. resp.  $\pm 1$  db from 30 to 15,000 cps; harm. dist. 0.5%. **AMPLIFIER:** Freq. resp. 15 to 100,000 cps  $\pm 1$  db at 0.5 watts output; IHF music power output 40 watts per channel; power output, rms, 27 watts per channel; harmonic distortion, 1% at 27 watts from 40 to 12,000 cps; IM distortion 3% at 25 watts; hum and noise, 80 db below 27 watts output; sensitivity, input for rated output—phono, 2.3 mv, aux. 0.16 volts; damping factor 9; output impedances 8, 16 ohms; inputs—4 phono, 2 tape head, 2 tape amp, 2 aux; dimensions, 17 45/64" wide, 5 5/64" high, 17 9/32" deep; weight, 37 lbs. Pioneer.

## H. H. SCOTT

• **340B FM/MPX Tuner/Amplifier.** The 340B features: 1. Complete tape monitoring facilities, all controls operate on playback; 2. Powered third channel for direct connection of remote speakers or for a three-speaker system; 3. "Auto-Sensor" circuitry for fully automatic operation; 4. Indicator lights prevent inadvertent use of Tape Monitor control; 5. Convenient front-panel earphone receptacle for private listening.

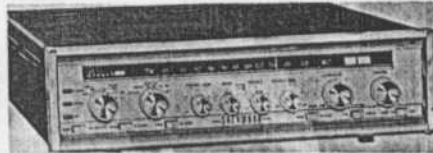


**Specifications:** FM: 10 tubes, 22 diodes; cascode front end; 3 i.f. stages; ratio detector; meter tuning indicator; output signal 1.0 volts; recorder output; controls—input selector, bass, treble, balance, loudness, tuning; switches—rumble, scratch, monitor, comp., speakers, power; freq. resp.  $\pm 1$  db from 30 to 15k cps; signal-to-noise ratio 60 db; IHF volume sensitivity 0  $\mu$ v; capture ratio 6.0 db; selectivity 35 db; IHF usable sensitivity 2.2  $\mu$ v; AM suppression 55 db; harmonic distortion (100% mod.) 0.8%; stereo separation 30+ db; time-switching stereo circuit; drift 20 kc. **AMPLIFIER:** Freq. resp. 20 to 20k cps  $\pm 1$  db at 1/2-power output; power bandwidth, 20 to 20k cps; IHF music power output 35 watts per channel; power output, rms, 30 watts per channel; harmonic distortion, 0.8% at rated power from 20 to 20k cps; hum and noise, 80 db below 30 watt output; sensitivity, input for rated output—phono, 3, 9, 180 mv, aux. 0.5 volts; damping factor 8:1; output impedances 4, 8, 16 ohms; inputs—3 phono, 1 tape amp, 1 aux, 1 center-channel out; dimensions, 16 1/4" wide, 5 1/2" high, 13 1/2" deep; weight, 35 lbs. Price \$399.95. H. H. Scott, Inc.  
1. 380 same as 340B but with AM .... \$459.95

## SHERWOOD

• **S-8000 III FM-Stereo 80-Watt Receiver.** This unit contains all of the electronics for a complete home-music system on a single compact chassis. The S-8000 III features two 40-watt amplifiers, complete with dual preamplifiers for phono and tape plus a highly sensitive FM tuner with complete wired-in circuitry for receiving FCC-approved FM multiplexed stereocasts. Just add speakers to complete your stereo home hi-fi music system.

**Specifications:** FM: 20 tubes, 3 silicon rect., 9 diodes; cascode front end; 2 i.f. stages; ratio detector; 2 audio stages; meter type of tuning indicator; output signal 1.5 volts; no. of outputs, stereo pair; controls—FM-tuning, loudness, stereo balance, hush, bass, treble, phono gain; switches—off-on, hi-filter, lo-filter, phase rev, tape monitor, loudness contour; freq. resp.  $\pm 1/2$  db from 20 to 20k cps; signal-to-noise ratio 55 db; capture ratio 2.4 db; IHF usable sensitivity 1.9  $\mu$ v; harmonic



distortion (100% mod.) 1/2%; stereo separation 40 db; type of stereo circuit phase loaded osc. and bal. synth. detector; drift 15 kc. Other features, "interchannel hush" or noise squelch, flywheel tuning. **AMPLIFIER:** Freq. resp. 20 to 20k cps  $\pm 1/2$  db at 36 watts output; IHF music power output 40 watts per channel; power output, rms, 36 watts per channel; harmonic distortion, 1/2% at 36 watts; hum and noise, 75 db below 1 watt output; sensitivity, input for rated output—phono, 1.2 mv, aux. 1/4 volt; damping factor 5; output impedances 4, 8, 16 ohms; inputs—stereo phono, stereo tape head, stereo tape amp, stereo aux. Dimensions, 16 1/4" wide, 4" high, 14" deep; weight, 34 lbs. Price \$319.50. Case, \$9.50. Sherwood Electronic Labs.

## TUNER AMPLIFIER KITS

### DYNAKIT

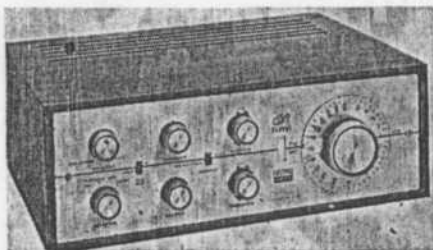
• **FM-1 Tuner Kit plus FMA-2 Amplifier Kit.** Combination of two kits provides a 10-watt mono tuner-amplifier for background listening, or as an auxiliary system for portable or outdoor use. The FMA-2 fits into the space on the tuner which may alternately house a multiplex adapter. The sole controls on this unit are volume, tuning, and on-off switch. The normal tuner outputs are unaffected.



**Specifications:** FM: 9 tubes; cathode-coupled front end; 4 i.f. stages; balanced-bridge detector; 2 audio stages; eye tuning indicator; output signal 2 volts; 2 outputs; controls—volume, tuning; switches—on-off; freq. resp.  $\pm 0.5$  db from 10 to 40k cps; signal-to-noise ratio 70 db; IHF volume sensitivity 0  $\mu$ v; capture ratio 5 db; selectivity 54 db; IHF usable sensitivity 4  $\mu$ v; AM Suppression 63 db; harmonic distortion (100% mod.) 0.25%; drift 30 kc-max.; dimensions: 13" wide, 4" high, 8" deep; weight, 13 lbs. **AMPLIFIER:** Freq. resp. 12 to 35k cps  $\pm 1$  db; power bandwidth, 20 to 20k cps; power output, rms, 10 watts; harmonic distortion, 1% at 10 watts from 30 to 15k cps; IM distortion 1% at 10 watts; hum and noise, 70 db below 10-watt output; damping factor 10; output impedances 8, 16 ohms. Price \$109.90. Dynaco, Inc.

### EICO

• **2536 FM-Stereo Receiver Kit.** An FM-stereo tuner and a 36-watt stereo amplifier on one chassis.



**Specifications:** FM: ratio detector; signal-to-noise ratio 55 db; capture ratio 3 db; IHF usable sensitivity 3  $\mu$ v; harmonic distortion (100% mod.) 0.6%; stereo separation 30 db. **AMPLIFIER:** Freq. resp. 15 to 40,000 cps  $\pm$  1 db; power bandwidth, 30 to 20,000 cps; IHF music power output 36 watts per channel; power output, rms, 28 watts per channel; harmonic distortion, 0.2% at 1 watt from 30 to 20,000 cps; IM distortion 0.2% at 1 watt; output impedances, 8, 16 ohms; inputs—mag. phono, tape head, tape amp, aux; dimensions, 15 $\frac{1}{2}$ " wide, 5 $\frac{1}{2}$ " high, 13 $\frac{3}{4}$ " deep. Price \$154.95. EICO.

## HARMAN-KARDON

• **Model FA30YK 30-Watt FM-Stereo Receiver Kit.** Sensitive FM tuner with r.f. and oscillator stage pre-assembled and factory aligned, stable stereo adapter; 30-watt amplifier featuring output transformers with special grain-oriented cores; silicon-diode solid-state supply; all input and control facilities.

**Specifications:** FM: 7 tube sections; triode/tetrode front end; 3 i.f. stages; ratio detector; output signal 1 volt; 2 outputs; controls—tuning, ganged bass & treble, blend, balance, loudness, function; switches—on/off, equalization, contour, rumble, scratch, FM-AFC; freq. resp.  $\pm$  1 db from 20 to 35,000 cps; sig-

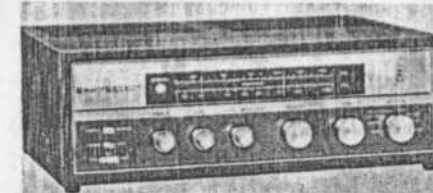


nal-to-noise ratio 70 db; IHF volume sensitivity 2  $\mu$ v; capture ratio 6 db; IHF usable sensitivity 3.5  $\mu$ v; AM Suppression 50 db; harmonic distortion (100% mod.) 1%; stereo separation 30 db; switched stereo circuit; solid-state a.f.c. circuit; drift  $\pm$  10 kc. **AMPLIFIER:** Freq. resp. 15 to 70,000 cps  $\pm$  1 db at 1 watt output; power bandwidth, 50 to 20k cps; IHF music power output 15 watts per channel; power output, rms, 12 watts per channel; harmonic distortion, 1% at 12 watts from 20 to 20k cps; IM distortion 1% at 12 watts; hum and noise, 85 db below 12 watt output; sensitivity, input for rated output—phono, 2.0 mv. aux. 0.125 volt; damping factor 10; output impedances 8, 16 ohms; inputs—4 phono, 2 tape head, 2 tape amp, 2 aux; dimensions, 15 $\frac{1}{2}$ " wide, 5 7/16" high, 11 $\frac{1}{2}$ " deep; weight, 35 lbs. Price \$169.95. Metal enclosure, \$12.95, walnut enclosure \$29.95. Harman-Kardon.

## KNIGHT-KIT

• **KU-45A AM-FM-Stereo Receiver Kit.** All-in-one AM-FM-stereo receiver kit with pre-assembled and prealigned FM front end. Push-button on-off. 32-watts continuous sine wave power. Stereo indicator light. Complete with AM and FM antennas.

**Specifications:** FM: 17 tubes; tuned r.f. front end; 3 i.f. stages; ratio detector; eye tube tuning indicator; controls—bass, treble, selector, volume, tune, separation, balance; switches—stereo reverse, stereo-mono, a.f.c., dsr, on-off; freq. resp. 20 to 20,000 cps; IHF usable sensitivity 2.5  $\mu$ v; stereo separation 30 db. **AMPLIFIER:** Freq. resp. 30 to 16,000 cps  $\pm$  1 db at rated output; power output,



rms, 16 watts per channel; harmonic distortion, 1% at rated output; hum and noise, 75 db below rated output; sensitivity, input for rated output—phono, 2 mv; output impedances 4, 8, 16 ohms; dimensions, 16 $\frac{1}{2}$ " wide, 4 $\frac{3}{4}$ " high, 13" deep; weight, 39 lbs. Price \$139.95. Walnut case \$14.95, metal case \$7.95. Allied Radio.

## PACO

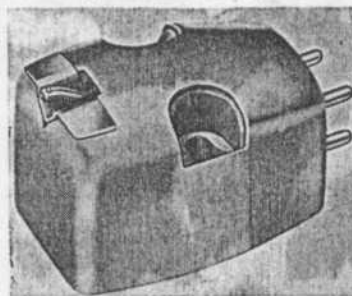
• **Model ST-26 FM Tuner-Amplifier.** The ST-26 features: Flywheel tuning, built-in multiplex jack to accommodate multiplex adapter, switched ceramic cartridge, switched bass boost.

**Specifications:** FM: 7 tubes; grounded-grid front end; 3 i.f. stages; ratio detector; 1 audio stage; eye tube tuning indicator; output signal 1 volt; 2 outputs; controls—tuning, volume; switches—on-off, a.f.c., function, mode; IHF usable sensitivity 4  $\mu$ v; AM Suppression 25 db; varicap semiconductor a.f.c. circuit; drift 30 kc. **AMPLIFIER:** Freq. resp. 60 to 15k cps  $\pm$  2 db harmonic distortion, 1.5% at 1 kc; output impedances 4, 8 ohms; inputs—1 phono; dimensions, 13" wide, 3 $\frac{3}{4}$ " high, 8 $\frac{3}{4}$ " deep; weight, 7 lbs. Price \$54.95. Metal enclosure, \$4.95, walnut finish enclosure, \$14.95. Paco.

## PHONO CARTRIDGES

### ADC

• **ADC-1.** Designed for use with tone arms and turntables of the highest quality, the ADC-1 is individually calibrated and comes with complete performance report card. The stylus can be replaced in less than 10 seconds and comes out with a flick of your finger—no tools or special skill are required.



**Specifications:** Moving magnet; freq. resp. 10 to 20,000 cps  $\pm$  2 db; output, 1.25 mv/cm rec. velocity; channel separation, 33 db at 1 kc, 20 db at 10 kc; recommended load, 47k ohms; recommended tracking force—professional arms, 0.75–1.5 gms, effective stylus mass, 0.5 mg; compliance—lateral, 20  $\times$  10<sup>-6</sup> cm/dyne, vertical, 20  $\times$  10<sup>-6</sup> cm/dyne; no. of terminals, 4; mounting dimensions, std; weight, 6.8 gms, stylus radius, 0.6 mil. Price, \$49.50. Audio Dynamics.

1. ADC-2, ..... \$46.50  
2. ADC-3, ..... \$37.50

### BENJAMIN ELAC

• **ELAC 322 with 0.52-mil Diamond Stylus.** The new ELAC 322 magnetic cartridge is specifically designed for stereo records and utilizes a 0.52-mil diamond stylus. Maximum compliance has been obtained by reducing moving mass without sacrificing stylus shank rigidity. This has been achieved by employing magnesium, which is lighter and more rigid than aluminum. The resultant low distortion achieved in the ELAC 322 (less than 2% IM and less than 1% harmonic distortion) has rarely been feasible in electro-mechanical transducers.

**Specifications:** Freq. response 20 to 20,000 cps  $\pm$  2 db; output, 7 mv/cm rec. velocity; channel separation, 25 db at 1 kc, 20 db at 10 kc; recommended load, 33–50k ohms; recommended tracking force—professional arms, 1.5 gms, changers, 2.5 gms, effective stylus mass, 1.2 mg; compliance—lateral, 14  $\times$  10<sup>-6</sup> cm/dyne, vertical, 14  $\times$  10<sup>-6</sup> cm/dyne; inductance, 650 mh; 4 terminals; mounting dimensions, std.; weight, 11 gms, including brackets. Additional features: Mu-metal Shielded Case. Stylus assembly is removable and can be replaced without tools. Price, diamond, \$49.50; replacement stylus, \$25.00. Benjamin.

1. ELAC stereo/mono cartridge model 222 \$39.50

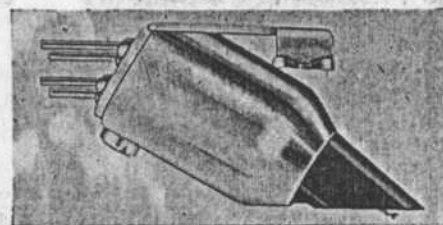
## DUAL

• **DMS-900 Magnetic Stereo Cartridge.** Featuring excellent performance with tracking force of less than 2 grams, the Dual DMS-900 is constructed so that stylus can be easily replaced—just lift out the easily grasped assembly.

**Specifications:** Variable reluctance; freq. resp. 20 to 20,000 cps  $\pm$  3 db; output, 1 mv/cm rec. velocity; channel separation, 28 db at 1 kc; recommended load, 12–47 k ohms; recommended tracking force—professional arms, 1.5–5 gms, changers 2–5 gms; compliance—lateral 4  $\times$  10<sup>-6</sup> cm/dyne, vertical, 3  $\times$  10<sup>-6</sup> cm/dyne; inductance, 250 mh, d.c. resistance 800 ohms/channel; no. of terminals, 4; mounting dimensions, std.; weight 14 gms. Price, diamond, \$34.50; replacement stylus, \$17.25. United Audio.

## DYNACO—B&O

• **Stereodyne II.** Magnetic moving-iron stereo cartridge featuring a symmetrical design utilizing a quadri-coil push-pull circuit providing low impedance, a hum-bucking push-pull system, and complete mu-metal shielding for near-zero hum pickup under any conditions. High output ensures a superior signal-to-noise ratio. Exceptional tracking, high compliance, and low moving mass for prolonged record and stylus life.



**Specifications:** Freq. response 30 to 15k cps  $\pm$  2 db; output, 1.5 mv/cm rec. velocity; channel separation, 30 db at 1 kc, 15 db at 10 kc; recommended load, 47k ohms; recommended tracking force—professional arms, 1–2.5 gms, changers, 2–4 gms, effective stylus mass, 1 mg; compliance—lateral, 7  $\times$  10<sup>-6</sup> cm/dyne, vertical, 7  $\times$  10<sup>-6</sup> cm/dyne; inductance, 185 mh; d.c. resistance, 1200 ohms; 4 terminals; mounting dimensions, 1/2"; weight, 10 gms. Additional features: extremely low hum pickup; replaceable stylus; built-in stylus protection feature (retractable within nose cone). Price, diamond, \$29.95; replacement stylus, \$14.95. Dynaco.

## EMPIRE

• **Model 880P.** "Dyna-Life" stylus, one of the lightest, hand polished diamond 0.6-mil radius tip.

**Specifications:** Freq. response 8 to 20,000 cps  $\pm$  2 db; output, 8 mv; channel separation, 30 db at 1 kc, 20 db at 10 kc; recommended load, 47k ohms, recommended tracking force—professional arms, 0.5–3 gms, changers, 1.5–5 gms, effective stylus mass, 0.5 mg; compliance—lateral, 20  $\times$  10<sup>-6</sup> cm/dyne, vertical, 20  $\times$  10<sup>-6</sup> cm/dyne; d.c. resistance, 500 ohms; mounting dimensions, std.; weight, 12 gms.

Additional features: No magnetic attraction, virtually indestructible "Dyna-Life" stylus. Price, diamond, \$19.95; replacement diamond stylus, \$12.95. Empire Scientific.

1. Model 880 same as above except lower compliance, 0.7-mil stylus.

## FAIRCHILD

• **F-7 Stereo Cartridge System.** Low output stereo cartridge, moving-coil design, in combination with transistorized pre-amplifier. Preamp has own long-life power supply which brings up output of F-7 to usable level. Through this combination of low-mass low-output cartridge and self-contained pre-pre-

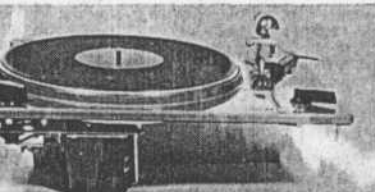




Specifications: Speeds—16, 33 1/2, 45, 78 rpm; drive; 4-pole motor; turntable diameter, 12"; rubber mat; dimensions of chassis, 11 1/2" x 12"; clearance required above mounting board, 4 1/2"; below, 3"; type of mounting, leveling shock nuts, controls, speed, on, tracking weight; type of pickup plug; material, plastic; number of leads to be connected to number of leads to chassis, 5. Price, \$49.95. Allied Radio.

## PIONEER

PL-4U Turntable with Arm. The PL-4U turntable with tone arm is a well-designed turntable designed to meet professional requirements. It uses a precision-engineered four-



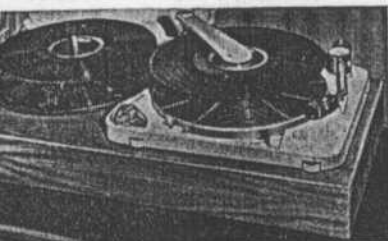
hysteresis-synchronous motor with a die-cast turntable adjusted to perfect static balance, and features a precise auto-cueing system. The tone-arm is tubular and manufactured to rigid specifications for minimum tracking error and no resonances. Specifications: Speeds—33, 45, 78 rpm; rim drive; 4-pole hysteresis-synchronous motor; turntable; light metal alloy; wow and flutter—less than 0.17%, ±0.05%; dimensions—17" x 13 1/2" x 8 1/2"; total weight—12 lbs. Pioneer.

## STANTON

Model 800B Stereotable. Gyropole action, only turntable with magnetic suspension, platter actually floats on air, eliminating all rumble. Unified arm and platter suspension eliminates mechanical feedback. Rigidly mounted motor allowing the base to dissipate vibration. Separate arm mounting board giving easy access to tone arm receptacles. Magnetic arm-board mounting. Specifications: Speeds—33 rpm; puck drive; synchronous motor; turntable diameter, 12"; turntable weight, 2 lb. 7 oz.; shaft diameter, 1/4"; turntable material, alum.; rubber mat; wow, 0.04%; flutter, 0.05%; dimensions of chassis, 14" x 11 1/2"; clearance required above mounting board, 1 1/2"; below, 3"; controls, on-off; Stanton 400A cartridge; mounting dimensions, 1/2"; number of leads to chassis, 4; number of cables to chassis, 2. Price, \$95. Stanton Magnetics.

## THORENS

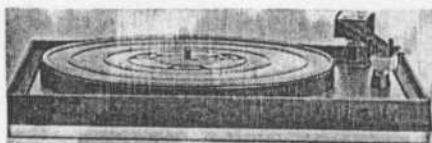
TD-224. Here is the ultimate in high fidelity and convenience—a fine 2-in-1 instrument that combines all the benefits of a professional turntable with all the conveniences of an automatic record changer. More than five years in development, the TD-224 meets the standards of the most ardent discriminating perfectionist. It combines the essence of a TD-124 with an automatic cueing mechanism of unusual design.



Specifications: Speeds—16, 33 1/2, 45, 78 rpm; belt and idler drive; 4-pole motor; turntable diameter, 12"; turntable weight, 8 lbs.; turntable material, aluminum; rubber mat; wow and flutter below 0.1%; type of mounting, rubber grommet; controls, 4; type of pickup head, plug-in; material, aluminum; std. cartridge; mounting dimensions, std.; number of leads to head, 4; number of leads to chassis, 5; automatic in-line for 10", 12" records. Price, \$250.00. Extra heads, \$5.00; bases, \$30.00. Elpa.

## WEATHERS

Low-Silhouette Turntable Series, ML-66-A. Low-silhouette turntable complete with vis-



cos-damped universal tone arm. Plug-in head accepts any make cartridge, micrometer adjustment for normal range tracking forces. Base and tone arm of non-resonant walnut in oiled or ebony finish.

Specifications: Speeds—33 1/2 rpm; rim drive; 2 hysteresis-synchronous motors; turntable diameter, 12"; turntable weight, 11 oz.; turntable material, aluminum; ring-support mat; wow and flutter, 0.04%; dimensions, 15 15/16" x 14 1/16"; type of mounting, self-contained cabinet; number of leads to head, 4; number of leads to chassis, 5. Price, \$99.50. Weathers Ind.

1. K-66 turntable with integ. arm and LDM cartridge ..... \$129.50
2. K-66 pickup system with preamp .. \$195.50
3. K-803 pickup system with preamp.. \$189.45
4. K-834 two-speed (33-1/3 & 45 rpm) version of K-803 ..... \$204.00

## LOUDSPEAKER MECHANISMS

### RICHARD ALLAN

● Slim-Line Loudspeaker, Model CG 12T. A quality English import crafted with care and finesse. Suited for building into popular "slim-line" cabinets. This is part of a new range of loudspeakers incorporating the latest advances



in magnetic design. The use of ceramic magnets in these speakers results in a considerable reduction in weight and depth. Flux density 14,000 lines per square cm, magnet type Ferrobar, total flux 82,000 Maxwells, freq. response 25 to 15,000 cps. Price \$53.99. Richard Allen Sales.

1. Model 860 8" ..... \$ 5.49
2. Bronze 8" with whizzer ..... \$19.99
3. Bronze 10" ..... \$31.99
4. 410T tweeter ..... \$ 5.99
5. 1214 ..... \$51.99

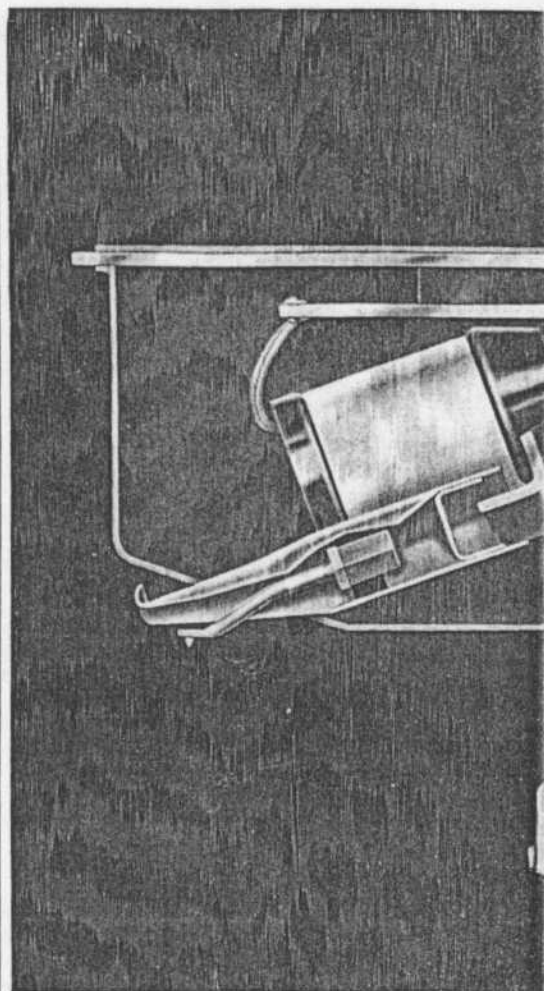
### ALTEC

● 605A Duplex Loudspeaker. An improved version of the famous 604 series, the new 605A provides unusually smooth response in the highs, extremely high linearity, and clean transient response in the lows.



Specifications: Type, duplex; power handling capacity 35 watts; impedance 16 ohms; frequency response, from 20 to 22,000 cps; magnet weight, i.f., 40 oz., h.f., 8 oz.; voice coil diameter, i.f., 3", h.f., 1 1/4"; free air resonance frequency 25 cps. Dimensions: 15 5/16" dia. 10" deep; weight, 37 lbs. with network. Price \$168.00. Altec Lansing Corp.

1. 601C ..... \$108.00
2. 602C ..... \$132.00
3. 415C ..... \$ 65.00
4. 803B ..... \$ 60.00
5. 755C ..... \$ 29.95



less than 2% i/m distortion but...

this alone is not enough. For optimum stereo performance, stereo integrity as well as fidelity—spatial quality. The new Elac 322, with less than 2% intermodulation harmonic distortion, is capable of producing an image of the sound groove—from 20 to 20,000 cycles, ± 10% relative crosstalk damping over the most directional frequencies out to 20,000 cycles. Channel separation is practical at 1000 cycles, 20 db at 10,000, and an astonishing 40 db at 20,000. The 322 tracks at from 1.5 to 3 grams with most with .52 mil diamond stylus and universal mount. Also hear the new, compatible mono/stereo Elac. At your hi-fi dealer now. For complete details, write BENJAMIN ELECTRONIC SOUND CORP., 80 Swaim Street, Westbury, N.Y./U.S. distributor for Miracord and other Electroacoustic (Elac)® Record Playing Components.

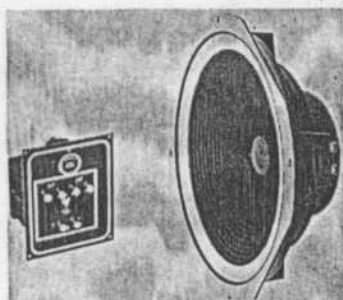
NEW ELAC 322 STEREO



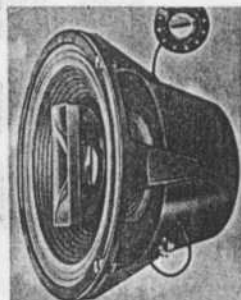
Electro-Voice



Goodman



JBL



Knight



Lafayette

### BOZAK

• **B-207A Coaxial Speaker.** The B-207A is a 2-way speaker intended for infinite-baffle enclosures and "large" sound. It is capable of handling modern, high-powered amplifiers.

**Specifications:** 2-way; power handling capacity 20-60 watts; impedance 8 ohms; frequency response  $\pm 3$  db from 40 to 20,000 cps; magnet weight 40 oz; voice coil diameter  $1\frac{1}{2}$ " ; free-air resonance frequency 30 cps; recommended enclosure volume 5 cu ft minimum. Dimensions 15" diameter 7" deep; mounting dimensions, (8)  $\frac{1}{4}$ -in. holes on  $14\frac{1}{2}$ " circle; cutout diameter  $12\frac{1}{2}$ " ; weight 13 lbs. Price \$89.50. Other features: Designed for infinite-baffle mounting. R. T. Bozak Co.

- 1. B-199A woofer, 12-inch ..... \$52.00
- 2. B-209B midrange speaker, 6 $\frac{1}{2}$  inch. \$51.00
- 3. B-200Y dual tweeter ..... \$32.00
- 4. B-800 8-inch wide-range speaker ... \$45.00

### ELECTRO-VOICE

• **120TRX Triaxial Three-Way Reproducer.** A complete three-way loudspeaker system offering the installation ease and convenience of a single component. Consists of a 12-inch woofer with ceramic magnet and die-cast frame, special horn-loaded, compression-operated mid-range driver with ring diaphragm, and compression-operated diffraction horn tweeter. Three-way crossover network featuring acoustical balance controls. Units are mounted on a panel of rigid aluminum. Ideal for custom built-in installations. Finished in neutral gray with contrasting machined aluminum trim.

**Specifications:** Three-way; power handling capacity 30-watts program, 60 watts peak; impedance 8 ohms; frequency response,  $\pm 5$  db from 40 to 20k cps; sensitivity (watts input for +85-db level 10 feet on axis) 1 watt; magnet weight 22 oz. woofer, 1.5 oz. mf, 3.0 oz. hf; voice-coil diameter 2" (woofer) 1" (m.f.) 1" (h.f.); free-air resonance frequency 43 cps; recommended enclosure volume 8 cu. ft. Dimensions 13" wide, 20" high x 12" deep. Price \$100.00. Other features AK7 grille cloth trim kit available as an accessory. Electro-Voice.

- 1. SP12B 12-in. Radax® coaxial speaker \$ 37.50
- 2. 12TRXB 12-in. 3-way loudspeaker . \$ 70.00
- 3. SP8B 8-in. Radax® coaxial speaker . \$ 32.00
- 4. 15TRX 15-in. 3-way loudspeaker .. \$155.00
- 5. BB1 VHF kit w/tweeter, crossover, wiring harness and level control ... \$ 45.00

### GOODMANS

• **Trutriaxiom Model 900C, 12" Loudspeaker.** The "Trutriaxiom" series of loudspeakers incorporate three separate voice coils.

**Specifications:** Triaxiom; power handling capacity 20 watts; impedance 16 ohms; frequency response,  $\pm 3$  db from 40 to 15,000 cps; sensitivity (watts input for +85-db level 10 feet on axis)  $\frac{1}{4}$  watt; magnet weight 16 oz; voice-coil diameter  $1\frac{3}{4}$  in.; free-air resonance frequency 40 cps; recommended enclosure volume 4 cu. ft. Dimensions 12" dia.  $5\frac{1}{2}$ " deep; mounting dimensions, (4)  $\frac{1}{4}$ -in. holes on  $11\frac{1}{4}$ " circle; cutout diameter 11"; weight, 9 $\frac{1}{2}$  lbs. Price \$49.95. Rockbar Corp.

- 1. 12" Trutriaxiom model 902C ..... \$59.95
- 2. 15" Trutriaxiom model 905C ..... \$69.95

### JBL

• **LE 14C Composite Transducer.** Consists of two completely independent concentrically-mounted JBL precision transducers. The large 4" voice coil of the low-frequency unit permits the high-frequency transducer to be mounted on the same plane. Acoustic radiating area is equal to that of many 15" units,

yet the LE14C may be installed in enclosures which ordinarily would accept nothing larger than a 12" speaker. A separate crossover network, mounted in a black die-cast aluminum case, is supplied as part of the composite transducer.

**Specifications:** Composite 2-way; power handling capacity 30 watts; impedance 16 ohms; voice-coil diameter LF 4"; free-air resonance frequency 25 cps; recommended enclosure volume 1.6 cu. ft. or more. Dimensions 14" max. dia.  $5\frac{1}{2}$ " deep; cutout diameter 12 7/16"; weight, 24 lbs. Price \$150.00. Other features Lans-a-loy cone suspension, variable high frequency control. James B. Lansing.

### KNIGHT

• **KN-612HC Three-Way Speaker.** High compliance 12" woofer cone, 4.6 lb ceramic magnet, whizzer cone for mid-range, and a compression tweeter for highs.

**Specifications:** 3-way; power handling capacity 50 watts; impedance 9 ohms; frequency response, 30 to 19,000 cps; magnet weight 4.6 lb; free-air resonance frequency 35-45 cps. Dimensions 12" dia. 7 $\frac{1}{2}$ " deep; weight, 32 lbs. Price \$59.95. Allied Radio.

- 1. KN-839 8" 3-way speaker ..... \$19.95
- 2. KN-830 12" 3-way speaker ..... \$26.95
- 3. KN-800 HC 3-way speaker ..... \$39.95

### LAFAYETTE

• **SK-58 12-inch 2-Way Speaker.** The SK-58 is a 2-way speaker with a 12-in. free-edge woofer plus a 3-in. cone-type tweeter, with the tweeter mounted on the same axis as the woofer. A built-in LC network distributes the frequencies to the appropriate speaker. The free edge of the woofer is connected to the speaker basket by a sheepskin surround.

**Specifications:** Type, coaxial; power handling capacity 20 watts; impedance 8 ohms; frequency response, from 30 to 15,000 cps; magnet weight 20 oz; free air resonance frequency 40 cps; recommended enclosure volume 6 cu. ft. Dimensions: 12 $\frac{1}{2}$ " dia., 6 $\frac{1}{4}$ " deep; cutout diameter 10 $\frac{1}{2}$ " ; weight 11 lbs. Price \$27.00. Other features: brilliance level control, 3" cone tweeter. Lafayette Radio.

- 1. SK-180 10" 3-way ..... \$32.50
- 2. SK-215 15" 3-way ..... \$64.50
- 3. SK-216 12" 3-way ..... \$54.50
- 4. SK-217W 12" 3-way ..... \$39.95
- 5. SK-128 8" biaxial ..... \$19.50

### NESHAMINY

• **Model 350 Woofer.** The model 350 can achieve fine bass response in a totally closed cabinet of small size. This long-travel dynamic woofer perfectly complements the mid/high range electrostatic. Its very light cone with slight apex weighting and specially treated cloth suspension achieve piston action without breakup or doubling. Recommended for use in Fiberglass-filled cabinet.

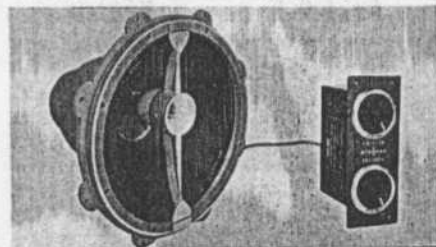
**Specifications:** 11" dynamic; power-handling capacity 100 watts; impedance 8 ohms; frequency response,  $\pm 3$  db from 30 to 2000 cps; magnet weight 18 oz; voice-coil diameter 1.3 in.; free-air resonance frequency 40 cps; recommended enclosure volume 2.2 cu. ft. Dimensions: 11 $\frac{1}{4}$ " dia. 5" deep; mounting dimensions, (6) holes on 10 13/16" circle; cutout diameter 11 5/16"; weight, 10 lbs. Price \$37.00. Neshaminy.

### PIONEER

• **PAT-30X 12-inch 3-way Loudspeaker.** The Pioneer PAT-30X is a deluxe 3-way loudspeaker comprised of a cloth-ed woofer, and two speakers for mid- and high-frequency reproduction. Exponential horn type speakers are used for mid- and high-frequency reproduction. The PAT-30X provides smooth wide-

range reproduction without peaks or dips over the entire audio spectrum.

**Specifications:** 3-way; power handling capacity 60 watts; impedance 16 ohms; frequency response,  $\pm 10$  db from 20 to 20,000 cps; sensitivity (watts input for +85-db level 10 feet on axis) 0.75 watts; magnet weight 87 oz; voice-coil diameter 3 1/16 in.; free air resonance frequency 23-32 cps; recommended enclosure volume 8 $\frac{1}{2}$  cu. ft. Dimensions 13 $\frac{1}{2}$ " dia. 9 13/16" deep; mounting dimensions, (8)  $\frac{1}{4}$ -in. holes on 12 13/16" circle; cut out diameter 11 $\frac{1}{2}$ " ; weight 24 lbs.

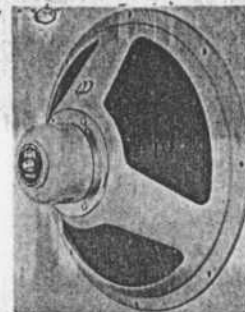


Other features: Uses an external independent crossover network and level controls. Pioneer.

- 1. PAX-30M 12" 2-way speaker
- 2. PAX-30L 12" 2-way speaker with exponential horn type tweeter
- 3. PIM-30L 12" dual-cone 2-way speaker
- 4. PAX-20F 8" 2-way speaker
- 5. PAX-25F 10" 2-way speaker

### R & A

• **700 Series MK IV Models.** The latest models from this well-known British speaker manufacturer. The fundamental resonances of the speakers vary according to their size. Fre-



quency response to 18,000 cps. Power handling capacity 10, 20, 25, and 30 watts respectively for Model 750 (5"), Model 780 (8"), Model 7100 (10"), and Model 7120 (12") speakers. Voice-coil impedance 8 ohms for all models. Price, \$9.95-\$18.95. Ercona Corp.

### ROYAL

• **"Royal" Speaker Line.** The Permoflux "Royal" Speaker line includes 8- and 12-inch speakers in deluxe and standard configurations. The speaker cone in this series is flexible, slotted, 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 provide a smooth distribution of high frequencies. Minimum baffle requirements.

**Specifications:** 12"; power handling capacity 20 watts; impedance 8 ohms; frequency response, 30 to 12,000 cps; magnet weight 16 oz; Dimensions 12 7/32" dia. 6 $\frac{1}{2}$ " deep; weight, 5 $\frac{1}{2}$ " lbs. Price \$32.50. Permaflux Corp.



1. Royal Standard 12 ..... \$25.00
2. Royal Deluxe 8 ..... \$22.50
3. Royal Standard 8 ..... \$17.50
4. Royal 8 ..... \$15.00

## SONOTONE

● **WR8-BII 8" Coax.** Provides smooth response over entire frequency range. Uses high-frequency cone radiator to extend range to 20,000 cps. Highly efficient. Terminals color coded to simplify correct phasing in multiple speaker systems. Power handling capacity 20 watts; impedance 8 ohms; frequency response, 45 to 20,000 cps. Price \$13.50. Sonotone Corp.

1. CA-12A 12" coax w. built-in cross-over network ..... \$31.00
2. W-12 12" woofer ..... \$19.00
3. T-64 6 x 4 elliptical-cone tweeter ... \$12.00

## STENTORIAN

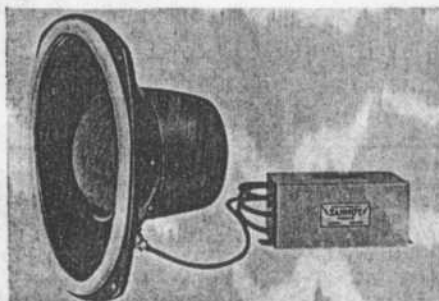
● **10" Full-Range Loudspeaker.** Designed for use in wide-range systems.

**Specifications:** dynamic; power handling capacity 10 watts; impedance 4, 8, & 12 ohms; frequency response,  $\pm 3$  db from 30 to 14,000 cps; magnet weight 32 oz; voice-coil diameter 1 in.; free air resonance frequency 35 cps; recommended enclosure volume 4-6 cu. ft. Dimensions 11 $\frac{1}{4}$ " dia. 4 $\frac{1}{2}$ " deep; mounting dimensions, (4) 3/16-in. holes on 10 25/32" circle; cutout diameter 9 $\frac{1}{2}$ "; weight, 6 $\frac{1}{2}$ " lbs. Price \$18.95. Other features: universal voice coil, cambric cone. Barker Sales.

1. 8" model HF812 ..... \$ 14.95
2. 12" model HF1214 ..... \$ 52.50
3. Duplex 12" (concentric) ..... \$119.00
4. Duplex 15" (concentric) ..... \$159.50
5. Tweeter T359 ..... \$ 14.95

## TANNOY

● **10" Monitor Dual-Concentric Loudspeaker.** This is the smallest and most compact of the "Monitor Dual-Concentric" line of Tannoy speakers. There is, in addition, a 12" and 15" model. The principle incorporates a horn-loaded high-frequency tweeter, closely integrated with the curvilinear LF diaphragm and voice-coil assembly. The units come complete with their individual crossover network system.



**Specifications:** dual concentric; power handling capacity 20 watts; impedance 16 ohms; frequency response,  $\pm 3$  db from 27 to 20k cps; magnet assembly 6 $\frac{1}{4}$  lbs; L.F. voice-coil diameter 2 $\frac{1}{4}$ " (HF, 2"); free air resonance frequency 27 cps; recommended enclosure volume 1 $\frac{1}{2}$  cu. ft. minimum. Dimensions 11 $\frac{3}{8}$ " dia. 6 $\frac{1}{4}$ " deep; mounting dimensions, (4)  $\frac{1}{4}$ -in. holes on 11" circle; cutout diameter 9"; weight, 9 lbs. Price \$112.75. Other features: Crossover weight 2 $\frac{1}{4}$  lbs.; finish, hard enamel. Tannoy of America.

1. 15" Monitor Dual Concentric ..... \$179.00
2. 12" Monitor Dual Concentric ..... \$138.00

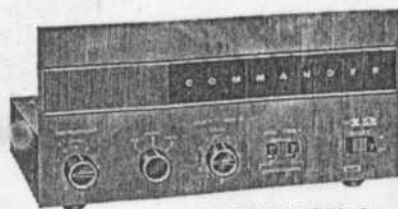
## UTAH

● **8-in. Uni-Drive Speaker, Model D8LA.** An 8-in. speaker with good performance at a moderate price.

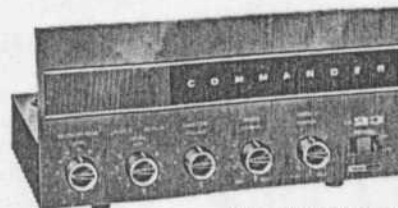
**Specifications:** Dual-cone type, 18-w power handling capacity, 8-ohm impedance; frequency response, 40 to 16k cps; 10-oz. magnet. Dimensions: 8 3/32" dia., 4" deep; mounting dimensions, (8)  $\frac{1}{4}$ " holes on 7 11/16" circle; cutout diameter, 7 3/16"; weight, 4 lbs. Price, \$14.25. Utah Electronics.

1. D8J, 8" 6.8-oz. magnet, 1" v.c. .... \$10.50
2. D12J, 12" 6.8-oz. magnet, 1" v.c. ... 12.33
3. D12LA, 12" 10-oz. magnet, 1 $\frac{1}{4}$ " v.c. 16.20
4. D12P, 12" 21.5-oz. magnet, 1 $\frac{1}{2}$ " v.c. 24.00

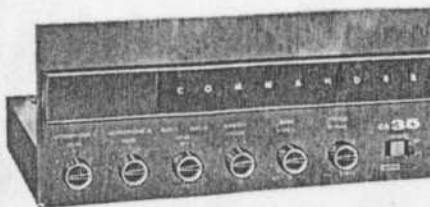
# Harman-Kardon Shatters Old Concepts of Economy-Class Public Address Amplifiers!



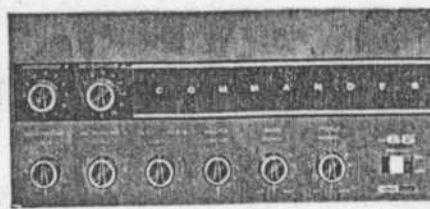
COMMANDER CA-12



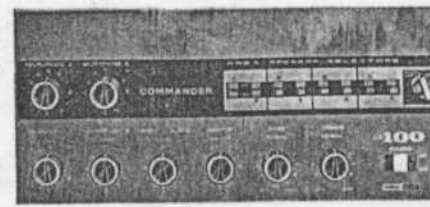
COMMANDER CA-23



COMMANDER CA-35



COMMANDER CA-65  
with extra mic pre-amp installed



COMMANDER CA-100  
with extra mic channels and  
area selector switch assembly

## New performance and versatility standards with the "CA" SERIES COMMANDER

**Unprecedented!** 5 New Commanders... every one with **CERTIFIED POWER RATING!** Now you can plan a job accurately, get the results you expect!

**Versatile!** Inputs for High and Low Impedance Mics—with on-chassis socket for plug-in mic matching transformer! Every quality or cable length requirement is now satisfied!

**Expandable!** Add Mic Channels as Needed! Space provided on medium and high power models for two additional mic channels. Up to four mic inputs now possible.

**Fidelity!** Socket for an optional plug-in mag phono-tape head preamp with genuine built-in RIAA and NARTB equalization. Works in aux channel; avoids loss of a mic input.

**Adaptability!** Every Commander can be set up for precedence operation, essential for background music systems, special and emergency announcements, etc. CA-12 has MIX-MUSIC-PAGE switch; all others function automatically.

**Flexible!** Optional area speaker selector assembly installs in CA-35/65/100 to provide selective paging and musicasting to any or all of 8 areas.

*It's impossible... to add here the numerous other MAJOR features of this remarkable new economy class public address line. But, a big new free catalog tells you the whole story about Commander an provides valuable, revealing information about public address amplifiers generally... Send for it.*

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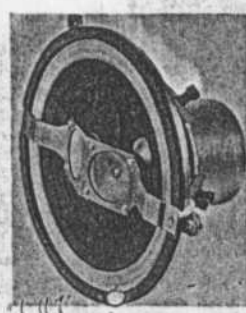
University



Vitavox



Wharfedale



Wigo



Wolverine

### UNIVERSITY

Model 312 Series 200. Wide-range, 3-way speaker using the University "Diffusicon" principle and the Sphericon super-tweeter. Specially damped cloth surround and exceptionally rigid cone afford rich bass response. Efficiency is high.

Specifications: 3-way; power handling capacity 35 watts; impedance 8-16 ohms; frequency response, 28 to 40k cps; recommended enclosure volume 4 cu. ft. (minimum). Dimensions 13" dia, 6 1/2" deep; mounting dimensions, 8 7/32 in. holes on 11 9/16" circle; cutout diameter 11". Price, \$73.00. University.

- 1. Model 315-C, 15" 3-way..... \$156.00
- 2. C-15HC 15" woofer..... \$89.50
- 3. Model 6201 Series 200 12" 2-way . \$ 57.75
- 4. Sphericon T-202 super-tweeter .... \$ 24.95
- 5. Mode C-8M 8" midrange ..... \$ 16.95

### VITAVOX

DU120 Duplex-Coaxial Loudspeaker. Balanced full-range reproduction. Designed specifically for listening in the home. Incorporates mechanically and electrically independent low- and high-frequency units. Both units are of the direct radiator moving-coil type. Magnets are made of high-efficiency materials. Price, \$89.50. Ercona Corp.

- 1. AK121 (12" low resonance) ..... \$ 79.95
- 2. AK120 (12" full range) ..... \$ 69.95
- 3. K15/40 (15" full range) ..... \$109.50
- 4. K15/40 (15" low resonance) ..... \$119.50
- 5. S2 Pressure Unit ..... \$149.50

### WHARFEDALE

Super 12 RS/DD Full-Range 12" Loudspeaker. A full-range 12" speaker with an unusually powerful magnet system.

Specifications: Full-range; power-handling capacity 40 watts; impedance 12-15 ohms;

frequency response, 25 to 15,000 cps; magnet weight 256 oz; voice-coil diameter 1 1/4 in.; free-air resonance frequency 28-33 cps; recommended enclosure volume 2 cu. ft. or more. Dimensions 12 3/4" dia, 7" deep; mounting dimensions, (4) 3/16"-in. holes on 12 3/4" circle; cutout diameter 10 7/8"; weight, 22 lbs. Price \$89.50. Other features 190,000 gauss total flux; density, 17,000 gauss; roll surround for small enclosures, cast basket, aluminum voice coil. British Ind.

- 1. Super 8/RS/DD 8" full-range speaker \$26.50
- 2. Super 10/RS/DD 10" full-range speaker ..... \$47.50
- 3. Super 3 treble speaker ..... \$26.50
- 4. W12/RS Woofer ..... \$52.50
- 5. W15/RS Woofer ..... \$89.50

### WIGO

Model CX-212 12" Coaxial. The CX-212 consists of a 12" extended range woofer, plus a twin-tweeter array with a built-in crossover network.

Specifications: 2-way; power handling capacity 30 watts; impedance 16 ohms; frequency response from 30 to 15,000 cps; magnet weight 29 oz.; free air resonance frequency 40 cps. Price \$79.50. Other features: flux density 12,500 gauss. United Audio Products.

- 1. ERD-12 extended range (12") ..... \$ 59.50
- 2. CX-2 twin-tweeter array ..... \$ 20.00
- 3. ER-85 extended-range (8") ..... \$ 21.00
- 4. TW-400 tweeter (4") ..... \$ 12.50
- 5. WD-155 super woofer (16") ..... \$169.50

### WILDER

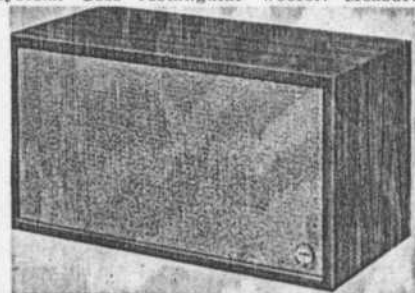
Twin-Stereo, Model 808-A Loudspeaker. An 8-in. speaker sold in matched pairs for stereo. The 808-A has a rugged die-cast basket and close-tolerance cone.

Specifications: 8" with whizzer; power handling capacity 25 watts; impedance 8 ohms;

## LOUDSPEAKERS IN SMALL ENCLOSURES

### ADC

ADC-12 Bookshelf Speaker System. An unusually good buy in a compact speaker system. Uses rectangular woofer. Measures

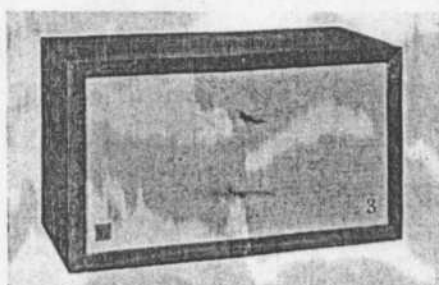


23 3/4" x 13" x 11 1/4" in a handsome walnut cabinet. Response from 38 to 20,000 cps. \$139.50. Audio Dynamics Corp.

- 1. ADC-14 ..... \$175.00
- 2. ADC-16 ..... \$220.00

### ACOUSTIC RESEARCH

AR-3. The AR-3 is a three-speaker full-range system utilizing the acoustic-suspension principle. Both the 2-in. mid-range and



the 1 1/2-in. tweeter utilize hemispherically shaped diaphragms as direct radiators.

Specifications: Type of enclosure, sealed; speakers 12" l.f., 2" m.f., 1 1/2" h.f.; type of crossover network, L-C; impedance 4 ohms; sensitivity (watts input for + 85-db level 10 feet on axis) 1.39 watts; magnet weights; l.f., 53 oz.; m.f., 53 oz.; h.f. 17 oz.; voice coil diameters: l.f., 2" m.f., 2" h.f. 1 1/2"; Dimensions: 25" wide, 14" high, 11 1/2" deep; weight, 52.5 lbs.; various finishes available. Prices, \$202-\$225. Accessories: Speaker stand \$30.00; speaker base \$7.50, Acoustic Research.

- 1. AR-2a, mahogany or birch ..... \$122.00
- 2. AR-2, mahogany or birch ..... \$ 96.00

### ALTEC

341A "Coronado." The 341A "Coronado" is styled to match a pair of "Carmels" or "Avalons" when used as the center speaker in a three-channel stereo system, or can be used in pairs, or monophonically. Housing a 4 1/4 12" woofer and a 3000 sectoral horn and driver

frequency response from 30 to 17,000 cps; magnet weight 16 oz; voice coil diameter 2 in.; free-air resonance frequency 44 cps; recommended enclosure volume 3 cu. ft. Dimensions: 8 1/2" dia, 4 3/4" deep; mounting dimensions, 3/4-in. holes on 7 1/2" circle; cutout diameter 6 3/4"; weight, 11 1/2 lbs. Price \$98.00 pr. Wilder Engineering Products.

- 1. 1208-A, 12" twin stereo spkrs. .... \$121.27
- 2. 12200-A, 12" biaxial ..... \$ 60.00
- 3. 12145, 12" biaxial ..... \$ 45.00
- 4. 8172-A, 8" biaxial ..... \$ 28.00

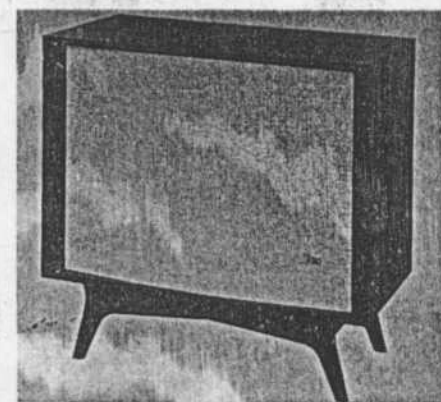
### WOLVERINE

LT12 Three-way Speaker. The Wolverine 3-way speakers feature concentric mounting of all reproducing elements. The LT12 incorporates in the high-frequency section, the Sonophase® throat design. The high-frequency section also incorporates a diffraction horn for proper dispersion. An adjustable "brilliance" control is incorporated to allow matching of response to room acoustics. Includes a two-way crossover network, edge-wise wound aluminum voice coil, a ceramic magnet, and rigid die-cast frame.

Specifications: 3-way; power handling capacity 20 watts; impedance 8 ohms; frequency response, 40 to 18,000 cps; sensitivity (watts input for +85-db level 10 feet on axis) 1 watt; magnet weight, woofer 12 oz, tweeter, 1.47 oz.; voice-coil diameter woofer 2", tweeter 1"; free-air resonance frequency 60 cps; recommended enclosure volume 4 cu. ft. minimum. Dimensions 12 1/4" dia, 5 15/32" deep; mounting dimensions, (4) 1/4-in. holes on 11 1/4" circle; cutout diameter 10 1/4"; weight, 11 lbs. Price \$32.00. Other features—step-type acoustical balance control. Electro-Voice.

- 1. LS12 12" Radax® speaker ..... \$21.00
- 2. LS8 8" Radax speaker ..... \$19.50
- 3. LS15 15" Radax speaker ..... \$26.50
- 4. HF1 high-frequency kit ..... \$25.00
- 5. MF1 mid-range kit ..... \$29.00

with the new Altec Mylar diaphragm, the "Coronado" provides a full 40-22,000 cps frequency response with 20 watts maximum input power. The 341A cabinet is furnished in either walnut or mahogany and measures 30"



H x 19" W x 14" D and is lined with fiberglass. Price, \$199.50. Altec-Lansing.

- 1. 834A "Monterey" ..... \$174.00
- 2. 835B "Monterey, Jr." ..... \$ 85.50
- 3. 836A "Lido" ..... \$117.00

### ARGOS

PHF-1S Petite. The Petite is a very small, slim profile (only 3 3/4" deep) two-speaker system. It incorporates a new Jensen high-com-



pliance woofer, designed especially for Argos. The Petite may be used anywhere—shelf, table, wall, or floor.

**Specifications:** speakers 1 l.f., 1 h.f.; power handling capacity 10 watts; type of crossover network, capacitor; impedance, 8 ohms; frequency response  $\pm 5$  db from 50 to 15,000 cps; volume control, hanger brackets for wall, solid brass attachable legs. Dimensions: 18" wide,



12" high, 3 3/4" deep; weight 8 1/2 lbs.; finishes available and prices: hand rubbed oiled walnut, \$24.95; Argos Products.

- |                  |         |
|------------------|---------|
| 1. AD-1AS .....  | \$39.95 |
| 2. TSE-1S .....  | \$24.95 |
| 3. TSE-3AS ..... | \$39.95 |
| 4. HFWB-8S ..... | \$17.95 |

### AUDIO-TECH

• **ME-12 Loudspeaker System.** Continuously adjustable tweeter output. Color-coded binding posts for easy stereo connection. Guaranteed for 2 years against defective materials and for workmanship.

**Specifications:** Type of enclosure, infinite baffle; speakers 12" l.f., 2" h.f.; power handling capacity 30 watts; type of crossover network, capacitor; impedance 16 ohms; frequency response from 40 to 20,000 cps; magnet weights: l.f., 32 oz.; h.f., 1.47 oz.; voice coil diameters: l.f., 2"; h.f., 1/2"; fused to protect against overload. Dimensions: 14" wide, 24" high, 12" deep; weight, 35 lbs.; oiled walnut, \$129.00. Audio Tech Laboratories.

- |                                   |          |
|-----------------------------------|----------|
| 1. JA-15 loudspeaker system ..... | \$250.00 |
|-----------------------------------|----------|

### BOZAK

• **B-302A Urban 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-209B midrange speaker and one 10102 crossover network to provide crossover at 800 cps.



**Specifications:** infinite baffle; speakers: one l.f., one m.f., two h.f.; power handling capacity, 20-60 watts; crossover network: three-way LC, 6 db/octave at 800 and 2500 cps; impedance 8 ohms; freq. resp.  $\pm 3$  db from 40 to 20,000 cps; magnet weights: l.f., 24 oz.; m.f., 24 oz.; h.f., 16 oz.; voice-coil diameters: l.f., 1 1/2"; m.f., 1 1/2"; h.f., 3/4". Dimensions: 24" wide, 30" high, 20" deep; weight 80 lbs.; walnut, mahogany, ebony \$254.50; French Provincial cherry \$290.00. C-305U matching equipment cabinet \$285.00. R. T. Bozak Mfg. Co.

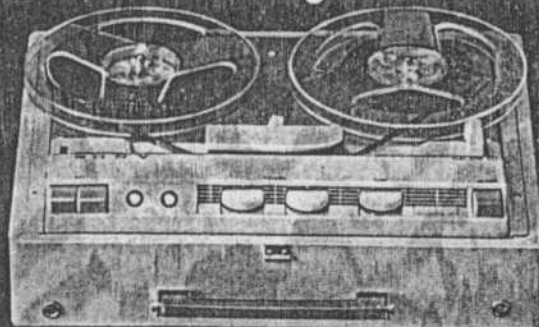
- |  |          |
|--|----------|
| 1. B-305 Urban speaker system .....    | \$397.50 |
| 2. B-305 Provincial speaker system ... | \$440.00 |
| 3. B-4000 speaker system .....         | \$495.00 |
| 4. B-310A speaker system .....         | \$770.00 |

### CABINART

• **Mark 3.** An 8" extended-range loudspeaker system using the bass-reflex principle of operation with a unique horn coupling. This principle enables the total back radiation to be used effectively thus maintaining critical damping while increasing the bass response.

(Continued on page 78)

new  
Sony



for  
portable  
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for  
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**SUPERSCOPE**

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For literature or name of nearest dealer write Superscope, Inc., Dept. 7 Sun Valley, California

# PRODUCT PREVIEW SECTION

(from page 63)

**Specifications:** bass-reflex/horn enclosure; extended-range speaker; power handling capacity 10 watts; impedance 8 ohms; frequency response  $\pm 7$  db from 70 to 19,000 cps; sensitivity (watts input for +85-db level 10 feet on axis)  $\frac{1}{4}$  watts; magnet weight, 6.8 oz. voice-coil diameter 1"; other features: 3" whizzer cone 65 cps resonant freq. (free air) annulus cone, dual diameter Alnico 5 magnet; Dimensions: 23" wide, 11" high, 9 $\frac{1}{2}$ " deep; weight, 26 lbs.; finishes available and prices: unfinished birch \$19.50; Oiled Walnut \$30.00. Cabinet.

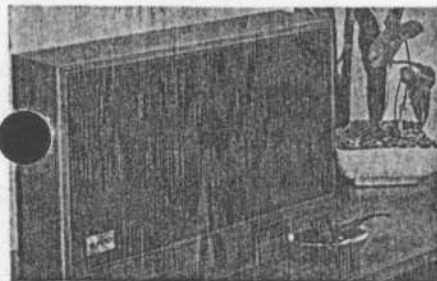
## DUKANE

• **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 Duke-20 full-range system. The "Ionovac" section has a frequency range from 3500 to 20,000 cps. The Duke-20 includes two mid-range speakers and a 12-in. high-compliance woofer in addition to the "Ionovac." Price, \$187.50. Dukane Corp.

1. Duke-10 tweeter ..... \$ 79.50
2. Duke-30 wide-range system ..... \$199.50
3. Duke-40 wide-range system ..... \$149.50
4. Duke-50 bookshelf system ..... \$139.50

## EICO

• **HFS-6 3-Way 3-Speaker System.** The new EICO HFS-6 can be set into a bookshelf, mounted on a wall, placed on a table, or concealed behind curtains or drawdrapes. It is the practical system in pairs for stereo, especially where space is restricted.

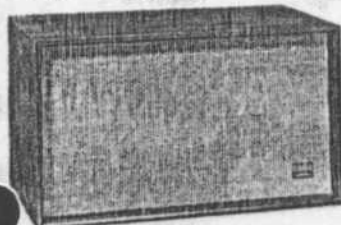


**Specifications:** ducted-port enclosure; speakers—10" l.f., 8" m.f., dome-radiator h.f.; power handling capacity 25 watts; L-C crossover network; impedance 8 ohms; frequency response 50 to 20,000 cps; magnet weights: l.f. 12 oz.; dimensions: 23 $\frac{1}{4}$ " wide, 13 $\frac{1}{2}$ " high, 5 $\frac{3}{4}$ " deep; weight, 25 lbs. Kit, \$52.50, wired \$62.50. EICO.

1. HFS-10 2-way speaker system ..... \$29.95
2. HFS-1 2-way speaker system ..... \$47.95

## ELECTRO-VOICE

• **E-V Four, Three-Way High-Compliance System.** Three-way system with 12-inch ceramic magnet woofer, compression driver and diffraction horn combination for mid-range, and 5-inch dynamic cone tweeter. Three-way etched circuit board crossover at 300 and 3500 cps. Two step-type level controls for listening room balance. Mid-range unit is new driver-horn combination utilizing a ring-type diaphragm. Tweeter makes use of special polyurethane foam suspension to lamping and compliance. Completely sealed enclosure.



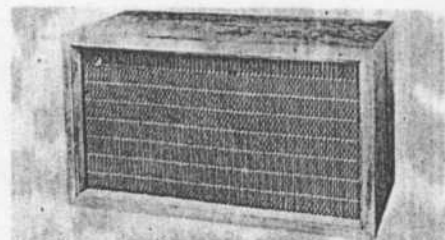
**Specifications:** acoustically-sealed enclosure; speakers—12" l.f., horn-loaded compression driver m.f., 5" h.f.; power handling capacity 9 watts; three-way etched circuit board crossover network; impedance 8 ohms; frequency response 30 to 20,000 cps; sensitivity

(watts input for +85-db level 10 feet on axis) 4 watts; magnet weights: l.f., 1 lb. 6 oz.; m.f., 1.5 oz.; h.f., 6.8 oz.; voice coil diameters: l.f., 2"; m.f., 1"; h.f., 1"; other features: complete instructions for installation printed on back panel, finished on all four sides. Dimensions: 25" wide, 14" high, 13 $\frac{1}{2}$ " deep; weight, 44 lbs. Electro-Voice.

1. E-V Six, 4-way high-compliance system ..... \$300.00
2. E-V Two, 2-way high-compliance bookshelf system ..... \$ 96.00
3. Regina 200, 2-way slim-line high compliance system ..... \$ 89.50
4. Marquis 300, 3-way direct radiator. \$190.00
5. Coronet 1, 8" pre-finished loudspeaker system kit ..... \$ 39.00

## EMI

• **DL5529—Bookshelf Speaker System.** Woofer has patented elliptical aluminum-center cone and polyvinyl chloride cone suspension, resulting in a smooth mid-frequency response and greatly reduced transient distortion. Tweeters have curved diaphragms.



**Specifications:** infinite baffle enclosure; speakers—13 $\frac{1}{2}$ " x 8 $\frac{1}{2}$ " l.f., and m.f., (2) 3 $\frac{1}{2}$ " h.f., power handling capacity 20 watts rms; L-C crossover network; impedance 4 ohms; frequency response  $\pm 3$  db from 40 to 15,000 cps; finishes available and prices: walnut \$159.00; unfinished walnut \$154.00. Scope Electronics.

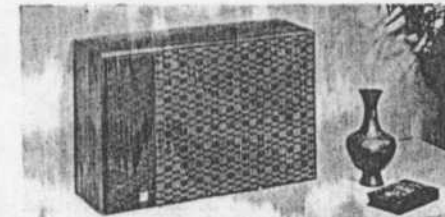
1. Model 711, 3-way bookshelf ..... \$249.00
2. Model 319, 2-way bookshelf ..... \$ 99.75
3. Model 630, 2-way bookshelf ..... \$ 69.75
4. Baffle No. 1, 2-way ..... \$115.00

## GRADO

• **Lab. "Jr." Speaker System.** Utilizes a speaker-cone loading scheme which tends to improve frequency response. Dimensions: 16" wide, 16" high, 10" deep; weight, 22 lbs.; finishes available and prices: walnut \$89.50. Grado Labs.

## JENSEN

• **TF-4 5-Speaker 4-Way Slender Loudspeaker System.** This Jensen system combines 5-speaker 4-way sound with a new full-size but slender format. Choice of grille fabric; a custom-woven two-tone pattern, or all-over rattan.

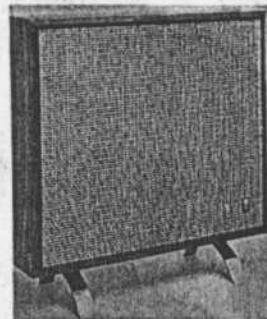


**Specifications:** "Bass-Superflex" enclosure; speakers—1 l.f., 1 m.f., 3 h.f.; power handling capacity 25 watts; impedance 8 ohms; frequency response 25 cps to beyond audibility. Dimensions: 25 $\frac{1}{2}$ " wide, 16" high, 8 $\frac{1}{2}$ " deep; weight, 42 lbs.; finishes available prices: oiled walnut \$114.50; unfinished gum hardwood \$97.50. Jansen.

1. X-11 compact 2-spkr 2-way system \$ 29.75
2. X-20 compact 3-spkr 2-way system \$ 39.95
3. TR-9 slim 3-spkr 3-way system ... \$ 89.50
4. TF-3 shelf 4-spkr 3-way system ... \$ 99.50
5. 3-P/1 slim 5-spkr 4-way system ... \$119.50

## JBL

• **Trimline 54.** The JBL "Trimline 54" couples an LEST full-range transducer with a passive low-frequency radiator. Both units are in-

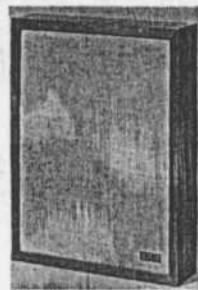


stalled in a matching acoustical enclosure of slim design. The passive radiator effectively doubles the acoustic radiating area at low frequencies, providing improved performance, lower distortion, and increased power handling capacity.

**Specifications:** modified reflex enclosure; speakers—1 l.f. (passive), 1 full range; power handling capacity 25 watts; impedance 16 ohms; voice coil diameters: full range, 2". Comes equipped with hanging brackets. Brass legs optional. Dimensions: 20" wide, 23 $\frac{3}{4}$ " high, 5 $\frac{1}{4}$ " deep; weight 34 lbs.; Oiled walnut \$117.00; C54-150 brass legs \$12.00. James B. Lansing.

## KLH

• **Model Fourteen.** The KLH Model Fourteen is a newly developed compact loudspeaker system incorporating two small highly compliant full-range direct radiators and a passive electronic network which reshapes the power output of any conventional amplifier so



that it exactly matches the low-frequency power requirements of the Model Fourteen. Impedance, 8 ohms; power handling capacity, 12 watts. Dimensions: 14" wide, 18" high, 3 $\frac{3}{4}$ " deep; weight 14 lbs. Oil or satin walnut, \$49.50. KLH.

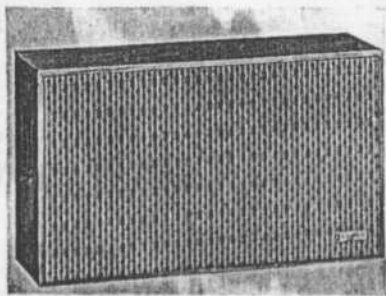
1. Model Four, oil walnut ..... \$231.00
2. Model Six, oil walnut ..... \$134.00
3. Model Ten, oil walnut ..... \$ 99.00

## KNIGHT

• **KN-2275 Four-Way Four-Speaker System.** Four-way four-speaker system with 10" woofer, 8" mid range, 3 $\frac{1}{2}$ " closed-back cone-type upper range speaker, and compression-type tweeter with adjustable level control.

**Specifications:** power handling capacity 50 watts; impedance 8 ohms; frequency response  $\pm 1$  db from 30 to 20,000 cps; magnet weights: l.f., 16 oz.; voice coil diameters: l.f., 1 $\frac{1}{2}$ "; electrical crossovers at 600; 4000 and 10,000 cps. Dimensions: 20" wide, 13 $\frac{1}{2}$ " high, 6 $\frac{1}{2}$ " deep; weight, 35 lbs.; finishes available and prices: Walnut veneer \$79.95. Allied Radio.

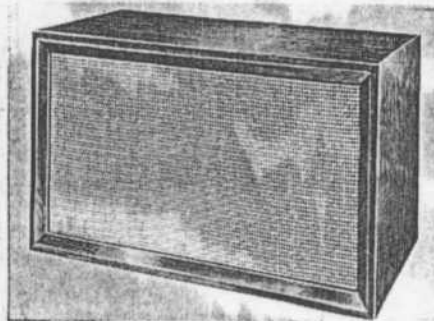




1. KN-2250 12" 3-way speaker sys. .... \$69.95
2. KN-2210 2-way speaker sys. .... \$19.95
3. KN-1286 8" speaker sys. .... \$29.95
4. KN-1284 8" speaker sys. .... \$19.95
5. KN-2222 3-way speaker sys. .... \$29.95

### LAFAYETTE

• **Elliptoflex® Enclosure with SK-58 Speaker.** The Elliptoflex enclosure is a ducted-port system wherein the port is elliptical in shape and is located directly in front of the speaker. This system is designed to improve low-frequency by providing a smooth transition from front to rear (cone) radiation.



**Specifications:** Type of enclosure ducted port; speakers—12" l.f., 3" h.f.; power handling capacity 20 watts; type of crossover network LC; impedance 8 ohms; frequency response from 40 to 15,000 cps; magnet weight: l.f., 20 oz. Dimensions: 23 7/16" wide, 14" high, 13 5/16" deep; weight, 35 lbs; finishes available and prices: mahogany, walnut, blonde \$64.50; oil walnut, unfinished \$59.50. Lafayette Radio Electronics.

1. SK-270 "Decorette II" thinline .... \$59.95
2. SK-235 "Slenderette" thinline .... \$39.95
3. SK-236 "Slenderette II" thinline .... \$29.95
4. SK-265 "Slenderette III" thinline ... \$19.50
5. SK-404 "Miniduct" bookshelf .... \$39.50

### LEAK

• **"Piston Action Sandwich."** "Sandwich" cone construction eliminates break-up and its associated distortions. The result is a smooth frequency response. This invention carries U. S. Patent protection.

**Specifications:** sealed enclosure; speakers—1 l.f., 1 h.f.; power handling capacity 50 watts; six-element half-section crossover network impedance 15 ohms; frequency response ± 2 db from 35 to 18,500 cps; sensitivity (watts input for ± 8-db level 10 feet on axis) 0.5 watts; voice coil diameters: l.f., 2"; h.f., 1". Dimensions: 15" wide, 26" high, 12" deep; weight, 49.5 lbs. Scandinavian walnut \$199.00; unfinished utility \$189.00. Ercona Corp.



### MURRAY-TONE

• **Camille Series CG Speaker System.** Embodying a spherical radiating "cavity-generator" principle. Extremely small in size.

**Specifications:** "cavity-generator" enclosure; speakers—8"; power handling capacity 8 watts; impedance 8 ohms; frequency response

30 to 17,000 cps; dimensions: 11" wide, 8" high, 4 1/4" deep; weight, 5 lbs.; maple, walnut or oak \$39.95. Murray-Carson Corp.

### NESHAMINY

• **Model Z-500 Compact Shelf Speaker.** The Z-500 incorporates the JansZen Electrostatic reproducer in a moderately-priced unit of absolute minimum dimensions. The Z-500 uses a single JansZen Electrostatic radiator that has been acoustically "curved" to do the work of two—and does it in less space, at less cost, but with still the same distortion-free clarity of larger multiple-radiator JansZen units.

**Specifications:** power handling capacity 100 watts; built-in high-pass filter crossover network; impedance 8 ohms; frequency, response ± 3 db from 30 to 22,000 cps; magnet weights: l.f. 18 oz.; h.f., electrostatic; voice coil diameters: l.f., 1.3". Dimensions: 24 3/4" wide, 13 1/2" high, 11 1/2" deep; weight, 40 lbs.; finishes available and prices: Walnut, mahogany, or maple \$134.95; utility \$124.95. Neshaminy Elect.

1. Model Z-400 ..... \$159.50

### PACO

• **Model L-4 Slim Silhouette Speaker System** Incorporates three 6-inch woofer-mid-range speakers in close configuration and a highly efficient cone tweeter. Special ball diffusers bonded to voice coil of each 6" cone has the struts bonded to it and to each diffuser produce a rigid diaphragm.

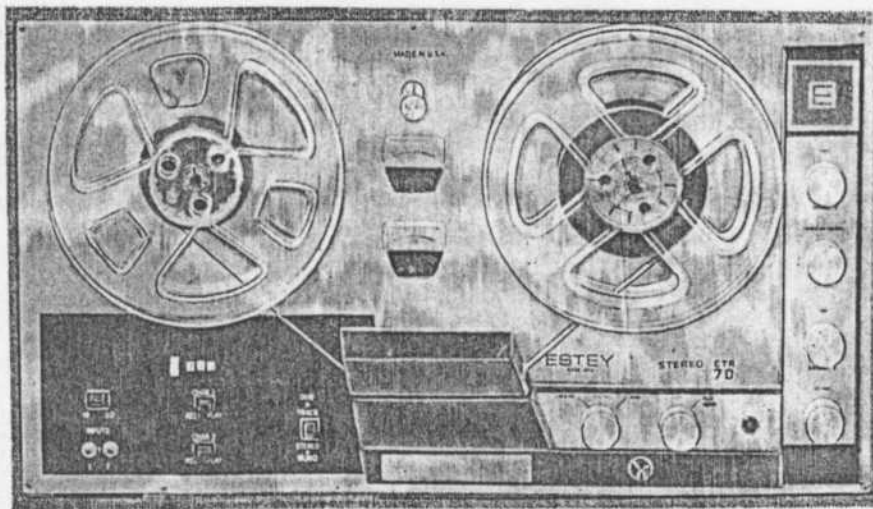
**Specifications:** bass reflex enclosure; R/C crossover network; impedance 8 ohms; frequency response 45 to 18k cps. Dimensions: 20" wide, 26 3/4" high, 6 3/16" deep; weight 30 lbs.; walnut \$79.95. Paco.

### PANASONIC

• **MF-800 Stereo Speaker System.** Combines pair of speakers and a 34-watt amplifier and uses motion feedback from the speakers to reduce distortion. The amplifier accepts inputs from low-level cartridges as well as tuners, and its distortion is less than 0.3 percent.

**Specifications:** speaker—8" special l.f., m.f., horn h.f.; power handling capacity

## THE TAPE RECORDER MIRACLE THAT BEGAN IN 1846...



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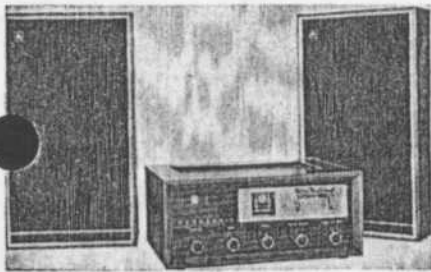
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watts; impedance 8 ohms; over-all frequency response including amplifier  $\pm 2$  db from 30 to 20,000 cps. Speaker dimensions: 20" wide, 12" high, 6" deep; weight, 13.3 lbs.; amplifier 15" wide, 5 1/2" high, 11 1/2" deep; weight 23.2 lbs. Matsushita.

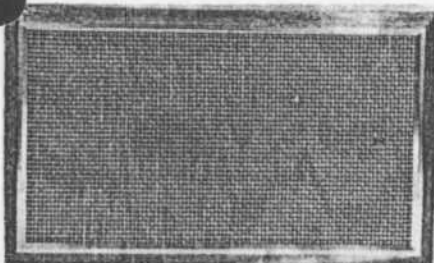
## PILOT

- **PSV-2.** Infinite baffle enclosure filled with Orlon fibers to increase effective volume. Free-air cone resonance of l.f. speaker, 35 cps.
- Specifications:** Infinite baffle enclosure; speakers—(1) 12" l.f., (1) 6" m.f., (1) 3" h.f.; power handling capacity 30 watts; L-C 12 db/octave crossover network; impedance 16 ohms; frequency response  $\pm 4$  db from 50 to 16k cps; magnet weights: l.f., 10 oz.; m.f., 1.47 oz.; h.f., 1.47 oz.; voice coil diameters: l.f., 1 1/2"; m.f., 3/4"; h.f., 3/8". Dimensions: 15 3/4" wide, 18" high, 9 3/4" deep. Walnut \$69.50. Pilot Radio.

1. PSV-3A, 3-spkr. system ..... \$ 64.50
2. PSV-4, 4-spkr. system ..... \$119.50

## PIONEER

- **CS-A50 Loudspeaker System.** The CS-A50 is a brand-new speaker system that provides big bass response despite its small enclosure. It is a 3-way system mounting a 12-inch woofer, a 4-inch mid-range unit, and three tweeters including one exponential horn unit and two cone-type units.
- Specifications:** bookshelf enclosure; speakers—1 l.f., 1 m.f., 3 h.f.; power handling capacity 60 watts; 12-db/octave crossover networks; impedance 8 ohms; frequency response



response  $\pm 10$  db from 30 to 20,000 cps; magnet weights: l.f., 33 3/4" oz.; m.f., 6 3/4" oz.; h.f., 5 oz.; voice coil diameters: l.f., 3"; m.f., 1"; h.f., 1" & 21/32"; other features: walnut-finished enclosure. Dimensions: 15 3/4" wide, 26" high, 12 1/2" deep; weight 45 lbs. Pioneer.

1. CS-A22 8" spkr. 2-way system
2. CS-A31 12" spkr. 2-way system
3. CS-20A 8" 2-way system
4. CS-20B 8" 2-way system
5. CS-30A 12" 2-way system

## H. H. SCOTT

- **S-3 3-way Loudspeaker System.** Only 9 3/4" deep, it is of true bookshelf size. The S-3 consists of a 10" low-resonance high-excursion woofer, and separate wide-dispersion mid-



range tweeter units, all contained within a handsome cabinet. The 3-way crossover network blends the separate speakers into a single sound source. Testing techniques pioneered by H. H. Scott assure matching from speaker to speaker for exact stereo balance.

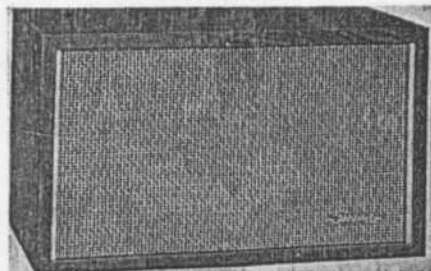
- Specifications:** Type of enclosure, bookshelf; speakers—10" l.f., 5" m.f., 1" h.f.; power handling capacity 50 watts; type of crossover networks, air-coil 3-way; impedance 16 ohms. Dimensions 23 1/2" wide, 11 3/4" high, 9 3/4" deep; weight, 37 lbs.; unf. pine, \$119.95; unf. hardwood, \$129.95; walnut or mahogany, \$134.95. H. H. Scott, Inc.

1. S-2 3-way loudspeaker system ..... \$179.95

## SHERWOOD

- **Ravinia 3-way System.** The Ravinia 3-way speaker system is based on a rigidly constructed enclosure, fabricated of one-inch, solid-core veneered side walls and one-inch resin-filled flakeboard speaker baffle. A front-to-back reinforcement strut eliminates possibility of panel vibration. All speakers are replaceable from the front, and the crossover network is accessible through speaker openings.

**Specifications:** Type of enclosure, tube port; speakers 12" l.f., 8" m.f., 3" h.f.; power handling capacity 60 watts; type of crossover network 12-db/octave at 600 cps and 3500 cps; impedance 8 ohms; frequency response  $\pm 2 1/2$  db from 48 to 17,500 cps; magnet weights: l.f., 1.66 lb; m.f., 6.8 oz.; h.f., 9.0 oz.; voice coil diameters: l.f., 1 1/2"; m.f., 1"; h.f., 1"; high-compliance woofer annulus. Dimensions: 26 1/4" wide, 15" high, 13 3/4" deep; weight, 55



lbs.; finishes available and prices: walnut \$139.50; birch unfn. \$129.50; fir, \$119.50. Accessories: console legs \$19.95. Sherwood Electronic Labs.

1. Berkshire, walnut ..... \$99.50

## UNIVERSITY

- **Tri-Planar.** Ultra-thin system featuring 234 square inches of woofer piston area. Bi-directional doublet radiator utilizes complementary transfer characteristic design to hold bottom-octave distortion to a minimum.



**Specifications:** doublet enclosure; speakers (1) 10 x 12 l.f., (1) 10 x 10" m.f., (1) 2 3/4" h.f.; power handling capacity 20 watts; electrical 6 db/octave crossover network; impedance 4-S ohms; frequency response 45 to 17k cps; Dimensions: 23" wide, 15" high, 1 3/4" deep; weight, 9 lbs. Oiled walnut \$79.95. University.

1. Medallion XII, 12" 3-way compact . \$139.95
2. Senior II, RRL 3-speaker bookshelf. \$ 99.50
3. Mini-Flex, ultra-compact ..... \$ 69.95
4. Syl-O-Ette, ultra-thin "picture-frame" ..... \$ 95.95

## UTAH

- **SH-4 Thin Bookshelf "Sorcerer."** A handsome, compact, good-sounding speaker system.
- Specifications:** Bass reflex type with 8" l.f. and h.f. 3 1/2" speakers; power handling capacity, 12 watts; capacitor crossover; impedance, 8 ohms; frequency response, 45 to 17k cps; magnet weights, l.f. 6.8 oz, h.f. 1.47 oz.;

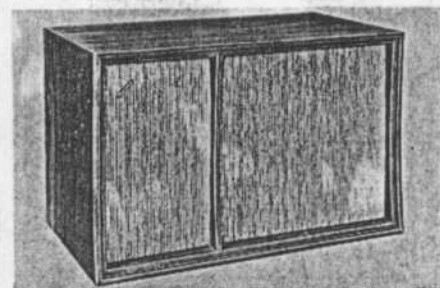
voice-coil diameters: l.f. 1", h.f. 9/16". Dimensions, 20" wide, 12" high, 4 15/16" deep. Price, 29.97, walnut finish. Utah Electronics.

## WEATHERS

- **SE-200 "Sound Studio" Loudspeaker System.** Less than one cubic foot, enclosure measures 12" x 20" x 7". 10" woofer, 5" upper range speakers employing Weathers variable mass damping in air-sealed compartments. Response from 50 to 15,000 cps. 3-position acoustic switch allows user to adjust response of the electro-mechanical system to suit acoustics of listening area. 10-watt amplifier provides ample sound power in most home installations. For larger areas, 35 watts is recommended for full music-power output. Genuine oiled walnut. Infinite baffle enclosure; speakers—1 l.f., 1 h.f.; LC crossover network, impedance 8 ohms. Dimensions: 12" wide, 20" high, 7" deep; weight, 20 1/2 lbs.; oiled walnut \$99.50. Weathers.

## WHARFEDALE

- **W60 Achromatic Full-Range 2-speaker System and Sand-filled Enclosure.** The original Achromatic unit. Though built to the dimensions of a "compact" system, it is an integrated full-range speaker system in all respects.



**Specifications:** Sand-filled ported duct enclosure; speakers—12 1/2" l.f., 5" m.f. and h.f.; power handling capacity 60 peak watts; LC (1500 cps) crossover network; impedance, 8 ohms; magnet weights: l.f., 152 oz. (9.5 lbs); m.f., and h.f., 20 oz. (1 3/4 lbs); voice coil diameters: l.f., 2"; m.f., and h.f., 3/4"; other features—sand-filled panel to eliminate cabinet resonance, wire wound "L" pad to balance high frequencies. Dimensions: 24" wide, 14 1/4" high, 13" deep; weight, 50 lbs.; finishes available and prices: walnut & mahogany \$116.50; polished fruitwood \$134.50; unfinished sanded birch \$101.50. Accessories: B67 universal mounting base, finished as above \$9.95. British Ind.

1. W40 2-speaker system, wal. & mah. \$ 79.50
2. W70 3-speaker system, wal. & mah. \$164.50
3. W90 6-speaker system, walnut .... \$259.50

## WILDER

- **The "Playmate" Speaker System.** The Wilder "Playmate" is a 2-way speaker system in a compact enclosure finished on all sides in furniture-grade veneers.

**Specifications:** Speakers—(2) 6" l.f., (1) 4" h.f.; power handling capacity 25 watts; input impedance 8 ohms; frequency response from 40 to 18,000 cps. Dimensions: 18" wide, 10" high, 8" deep; weight, 14 lbs.; walnut \$39.75. Wilder Engineering.

1. ES-81, walnut or blond ..... \$79.75 net

## LOUDSPEAKERS IN LARGE ENCLOSURES

### ALTEC

- **8384-Carmel.** The Altec "Carmel" balances size, appearance, and audio quality to please the most discriminating professional user both visually and acoustically. The mid-range or presence region of the Carmel system is particularly fine, a very distinct "feeling" of the actual performance. The "Carmel" is a two-way, bass reflex system with a frequency range from 30-22,000 cycles. Power rating: 30 watts. Two high-compliance 414A bass speakers. An Altec 804A driver mounted on an S11B horn covers the highs to 22,000 cycles. An N-800E network provides the necessary crossover at 800 cps. Dimensions: 29 3/4" H x 35" L x 17 3/4" D. Price: \$324.00. Altec-Lansing.

1. 837A Avalon ..... \$261.00
2. 831A Capistrano ..... \$399.00



## ELECTRO-VOICE

• *Patrician 800*. Latest in a series of four-way loudspeaker systems utilizing a 30-inch foam-cone woofer, a 12-inch mid-bass driver, diffraction horn treble, and very high frequency drivers. Crossover network 12-db-per-octave with crossover frequencies of 100, 800, and 3500 cps. The superiority of the Patrician 800 over its predecessors is due in large part to the use of the 30-inch woofer, giving it efficiency and extended bass response. Although designed for corner operation, the Patrician 800 can be placed in almost any room location without seriously hampering its performance. Its bass enclosure, of an entirely new design, consists of an airtight chamber behind the 30-inch woofer and a straight axis horn, the mouth area of which leads from the front of the woofer into the corner of the room. Distortion is minimized by the use of four separate drivers, each operating in the specific range to which it is best suited.



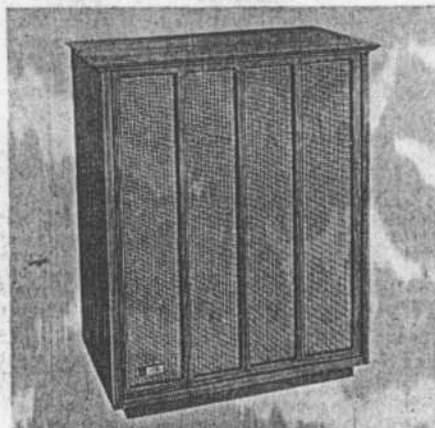
**Specifications:** Infinite baffle enclosure; speakers—30" l.f., 12" m.f., horn-loaded compression driver plus VHF driver; power handling capacity 70 watts; crossover 12-db-per octave at 100, 800, and 3500 cps; impedance 16 ohms; frequency response 15 to 23,000 cps; magnet weights; l.f., 9 lbs., 4 oz.; m.f., 3 lbs.; h.f., 3 lbs.; VHF driver, 1 lb; voice coil diameters: l.f., 2 1/4"; m.f., 2 1/4"; h.f., 2"; VHF, 1"; Dimensions: 33" wide, 51" high, 27 3/4" deep; weight, 305 lbs.; mahogany, satin walnut, cherry \$875.00; Accessories Stereon 850 stereo companion unit; identical characteristics to Patrician 800 above 100 cps \$375.00. Electro-Voice.

1. Georgian 400 4-way reproducer ... \$495.00

## FISHER

• *XP-10 Console Three-Way Speaker System*. The Fisher XP-10 "Console" incorporates three high-compliance transducers with massive, high flux-density magnet assemblies. The 15" woofer has eddy-current damping and a butyl-impregnated half-roll surround—its open-air resonance is below 20 cps. The mid-range speaker is an 8" unit, enabling a crossover of 200 cps. It is sealed in its own sub-enclosure. The tweeter is of a radical design, utilizing a peripherally-driven soft-mass hemispherical cotton dome, which achieves a 120 deg dispersion.

**Specifications:** Infinite baffle enclosure;



speakers—15" l.f., 8" m.f., 2" h.f.; power handling capacity 65 watts; crossover network L-C air-core coils, continuously variable presence & brilliance controls. Impedance 8 ohms; frequency response  $\pm 2.5$  db from 34 to 18k cps; magnet structure weight: l.f., 96 oz.; m.f., 88 oz.; h.f., 88 oz.; voice coil diameters: l.f., 2"; m.f., 1.5"; h.f., 2". Dimensions: 24 1/2" wide, 30 1/4" high, 14 3/4" deep; weight, 80 lbs.; scandinavian walnut \$249.50. Fisher Radio.

1. XP-1A, 3-way speaker system ... \$129.50
2. XP-2A, 3-way speaker system ... \$ 84.50
3. XP-4A, 3-way speaker system ... \$199.50
4. KS-1A, 3-way slim-line speaker system ... \$ 84.50
5. KS-2A, 3-way slim-line speaker system ... \$119.50

## EMI

• *Model DLS1—Studio Monitor*. Includes 25-watt basic amplifier with four adjustable frequency-correcting networks. The amplifier has been pre-tuned and prematched to each enclosure so that the response from each DLS1 is identical.

**Specifications:** Infinite baffle enclosure; speakers—13 1/2" x 8 1/2" l.f., (2) 3 1/2" h.f.; power handling capacity 25 watts rms; impedance 8 ohms; frequency response  $\pm 2$  db from 30 to 15,000 cps. Dimensions: 13 3/4" wide, 50" high, 17" deep; weight, 110 lbs. Satin walnut or mahogany \$594.00. Scope Elect.

## KLH

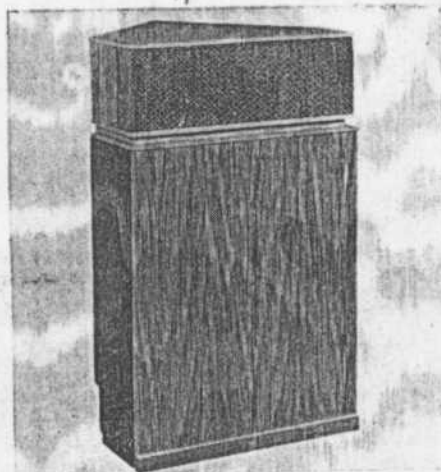
• *Model Nine*. A speaker system that uses the electrostatic principle to reproduce the entire audio range. To ensure adequate reproduction of very low frequencies, a total radiating area of 28 square feet is used (14 square feet in front and 14 square feet in the rear; radiation fore and aft is equal). Each Model Nine loudspeaker system consists of two complete full-range loudspeakers with built-in power supplies and step-up transformers. The two sections can be joined or separated completely for use in stereo systems. Impedance is nom-



inally 16 ohms, and is primarily resistive in audio range; max. 30 ohms, min. 16 ohms. Recommended amplifier power per section: 30 to 75 watts. Size 70" x 23 1/2" x 2 3/4" each section. Weight, 155 lbs.; Oil wal., mahog., wal. \$1140.00; support plates, \$30.00. KLH.

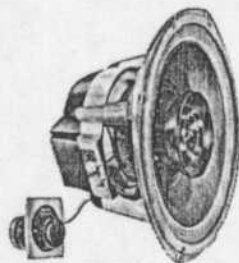
## KLIPSCH

• *Klipschorn K-35J*. Three-way speaker employing close electro-acoustic coupling by means of horns. Features very high efficiency, and transient peak power output capacity at

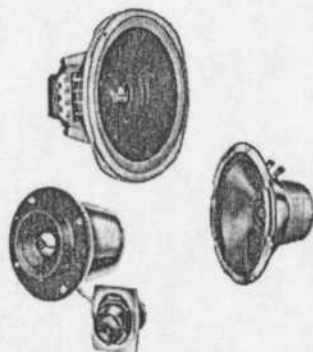


# 2000 REASONS WHY YOU SHOULD INSTALL UNIVERSITY COMPONENT SPEAKERS

To get right into them...there are the Brandenburg Concertos, the Prague Symphony, Eroica, Petrouchka, La Boheme, the Benny Goodman '38 concert, Jazz at the Philharmonic, Ella singing Gershwin, West Side Story, the soundtrack from Breakfast at Tiffany's, T. S. Eliot reading Prufrock, Waiting for Godot, Lester Lanin's music for dancing—but why not complete the list yourself according to your own tastes and needs? You may even come up with more than 2,000 reasons why University component speakers are the finest you can buy today. They are recognized as the prestige speakers in the popular price range. Anything on record or tape shows you why!



**THE 312 INTEGRATED TRIAXIAL SYSTEM**  
—a high compliance 12" woofer, patented Diffusicone mid-range and Sphericon super tweeter, all in one. Frequency response: 28-40,000 cps. \$73.00 net.



**SPECIALIZED INDIVIDUAL 3-WAY SYSTEM**  
—consisting of the C-12HC 12" high compliance woofer, C-8M mid-range and Sphericon super tweeter. Frequency response: 20-40,000 cps. \$91.40 net.

Write for free catalog, Desk R-8

**UNIVERSITY LOUDSPEAKERS**  
Division of Ling-Temco-Vought,  
Oklahoma City, Oklahoma

U-27

extremely low distortion.

**Specifications:** multi-horn enclosure; speakers—all horns; power capacity 3 watts output at 0.1% frequency-modulation distortion, 30 watt output at 1%. Impedance 16 ohms; frequency response  $\pm 4$  db from 30 to 16,000 cps; sensitivity (watts input for +85-db level 10 feet on axis) 0.05 watts input. Dimensions: 31 $\frac{1}{2}$ " wide, 52 $\frac{1}{2}$ " high, 28 $\frac{1}{2}$ " deep; weight, 180 lbs. Walnut, etc from \$514.00 to \$852.00. Accessories: 2-3 stereo control \$54.00. Klipsch & Assoc.

1. Cornwall ..... from \$311.00 to \$408.00
2. Model H ..... from \$188.00 to \$221.00
3. Shorthorn ..... from \$259.00 to \$366.00

## TANNOY

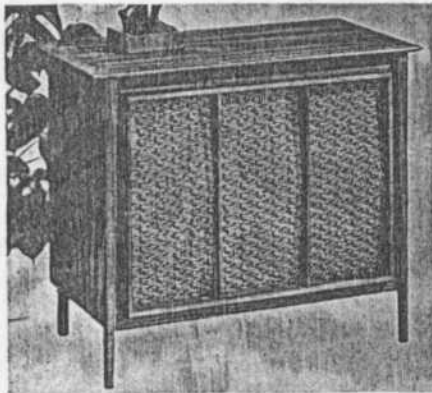
• **GRF Speaker System.** The "GRF" system provides a compound expanding sound source, a Tannoy exclusive feature: the effect of this is that the wave front area varies with frequency, giving an outstanding illusion of realism to both solo and orchestral music. The system incorporates the Tannoy 15" Monitor Dual Concentric loudspeaker.

**Specifications:** horn loaded enclosure; power handling capacity 50 watts; RLC crossover network; impedance 16 ohms; frequency response  $\pm 3$  db from 30 to 20k cps; magnet assembly weight: 13 lbs.; voice coil diameters: l.f., 2"; h.f., 2"; other features horn-loaded high-frequency tweeter feeds through curvilinear diaphragm of LF assembly. Dimensions: 23 $\frac{1}{2}$ " wide, 42" high, 17 $\frac{1}{2}$ " deep; weight, 130 lbs.; oiled walnut \$385.00. Tannoy of America.

1. 'Belvedere Senior' with 15" Dual Concentric Monitor ..... \$268.50
2. 'Belvedere Senior' with 12" Dual Concentric Monitor ..... \$231.00
3. 'Dalton' with 12" Dual Concentric Monitor ..... \$215.00
4. 'Berkeley' with 10" Dual Concentric Monitor ..... \$199.75
5. 'Cadet' with 10" Dual Concentric Monitor ..... \$159.75

## UNIVERSITY

• **Classic Mark II.** Simplicity of line and styling permits perfect integration with other fine furniture of any period. Three-way system composed of heavy-duty high-compliance 15-inch woofer, specially designed 8-inch mid-range, and Sphericon super-tweeter. Crossovers at 150 and 5000 cps. Wide-range brilliance and presence controls adjustable without having to walk behind the unit.



**Specifications:** ducted port enclosure; speakers—(1) 15" l.f., (1) 8" m.f., (1)  $\frac{3}{4}$ " h.f.; power handling capacity 60 watts; electrical crossover networks; impedance 4-8 ohms; frequency response 20 to 40k cps; voice coil diameters: l.f., 2"; m.f., 2"; h.f.,  $\frac{3}{4}$ ". Dimensions: 35" wide, 28 $\frac{1}{2}$ " high, 17 $\frac{1}{2}$ " deep; oiled walnut \$295.00. University Loudspeakers.

## TAPE RECORDERS

### AMERICAN CONCERTONE

• **Model 605-4R.** An advanced machine for the serious recordist. Incorporates flexibility features such as plug-in head assembly, all-electric pushbutton operation, and automatic reverse.

**Specifications:** Speeds—3 $\frac{3}{4}$ , 7 $\frac{1}{2}$  ips; heads—4  $\frac{1}{4}$ -track; records 4-track stereo, 4-track mono; plays 4-track stereo, 4-track mono; reel size 7 in.; 3 motors; timing accuracy 99.75%; freq. resp.—7 $\frac{1}{2}$  ips,  $\pm 2$  db from 50 to 15k cps; 3 $\frac{3}{4}$  ips,  $\pm 2$  db from 50 to 12k cps;



signal-to-noise ratio, 50 db; wow and flutter, 0.2% at 7 $\frac{1}{2}$  ips, 0.25% at 3 $\frac{3}{4}$  ips; rewind time, 1200-ft. reel, 40 secs. Inputs—2 microphone, high impedance, sensitivity 1 mv; 2 high level, high impedance, sensitivity 0.1 volts; amplifier outputs—2, cathode follower phone output. Dimensions, 16 $\frac{1}{4}$ " wide, 7 $\frac{1}{2}$ " high, 14" deep; weight 44 lbs. American Concertone.

1. Model 400—"Cosmopolitan" ..... \$197.50
2. Model CS505-4RK ..... \$679.50
3. Model S505 2- or 4-track w/case .. \$549.50
4. Model 607 ..... \$845.00
5. Model 508 ..... \$520.00

## AMPEX

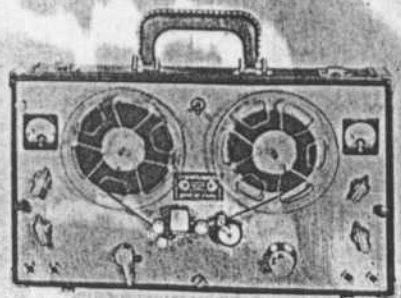
• **Model 1260.** A portable 4-track stereo and mono recorder player in attractive grey luggage—with record electronics and playback preamplifiers. The 1260 is ideal for semi-professional recording and long-life service in education, business, theater, church, or audiovisual systems.



**Specifications:** Speeds 7 $\frac{1}{2}$ , 3 $\frac{3}{4}$  ips; heads 2  $\frac{1}{4}$ -track; records 4 track stereo, 4 track mono; plays 4 track stereo, 4 track mono; reel size 7 in.; no. of motors 1; timing accuracy  $\frac{1}{2}$  of a half tone; freq. resp. 7 $\frac{1}{2}$  ips,  $\pm 2$  db from 50 to 15,000 cps; 3 $\frac{3}{4}$  ips  $\pm 2$  db from 50 to 8000 cps; signal-to-noise ratio 55 db; wow and flutter, 0.2% at 7 $\frac{1}{2}$  ips (ASA standards), 0.3% at 3 $\frac{3}{4}$  ips (ASA standards); rewind time, 1200 ft. reel, 90 secs. Inputs 2 microphone, impedance 2.2 megohms, sensitivity 600 mv; 2 high level, impedance 250k ohms, sensitivity 0.25 volts; amplifier outputs 2, type cathode follower, to feed into 250k or more ohms. Dimensions, 17 $\frac{1}{2}$ " wide, 9 $\frac{1}{4}$ " high, 14" deep; weight, 36 lbs. Other features: 3 separate heads in metal cases, die cast frame, auto-set shut-off. Price \$545.00. Accessories: 2012 Amplifier-Speaker \$199.50. Ampex.

## AMPLIFIER CORP.

• **Stereo-TransFlyweight, Series 312-ST.** Battery-operated, portable, "Stereo-TransFlyweight" Series 312-ST, includes several models which meet NAB standards. Designed to meet need for compact, lightweight professional stereophonic recorders for unrestricted field



use. Also usable for single ch and playback. Ruggedly constructed (20 transistors)

**Specifications:** Speeds—15/16 ips; heads—1 full track, 1  $\frac{1}{2}$ -track stereo, plays 2-track stereo in.; 2 motors; freq. resp.—7 $\frac{1}{2}$  50 to 10,000 cps; 3 $\frac{3}{4}$  ips,  $\pm 2$  7500 cps; signal-to-noise ratio and flutter, 0.1% at 7 $\frac{1}{2}$  ips, 0.1% at 3 $\frac{3}{4}$  ips, 0.15% at 3 $\frac{3}{4}$  time, 1200-ft. reel, 55 secs. Input phone, impedance 2 meg, sensitivity high level, impedance 0.5 meg, 3 mv. Dimensions, 14 $\frac{1}{2}$ " wide, 10" deep; weight, 30 lbs. Other features: spindle holds reels in any position.

1. TransFlyweight, Series 312 ..
2. TransMagnemite, Series 612 ..
3. Weatherite TransMagnemite, Series W-612 ..
4. Secret Recorder, Series 212 ..

## BELL

• **RT-360 Stereo Tape Recorder** with DK-1 accessory, duplicate tapes, record sound-on-sound in

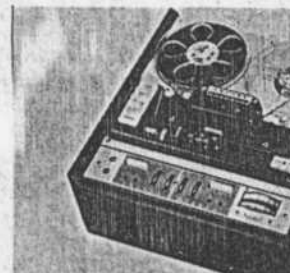


**Specifications:** Speeds—3 $\frac{3}{4}$ , 7 $\frac{1}{2}$ -track; records 4-track stereo, 2 mono; reel size 7 in.; 3 motor; accuracy 99%; freq. resp.—7 $\frac{1}{2}$  from 40 to 16k cps; 3 $\frac{3}{4}$  ips,  $\pm 2$  to 12k cps; signal-to-noise ratio and flutter, 0.2% at 7 $\frac{1}{2}$  ips, 0.1% at 3 $\frac{3}{4}$  ips; rewind time, 1200-ft. reel, puts—2 microphone, sensitivity level, impedance 500k ohms, sensitive 3 mv to 300 mv; amplifier headphone; speaker outputs 4, ohms; output power 16 watts, 15 $\frac{1}{2}$ " wide, 16" high, 11 $\frac{1}{2}$ " deep. Other features: handles 10" cates stereo or mono tapes; record sound-on-sound with DK-1. Price \$499.95. Bell Sound.

1. T-347 tape transport .....

## BENJAMIN TRU

• **PD-96 4-Track Stereo Tape De** utilizes a capstan drive motor, anced flywheel, and two rewind sure speed accuracy, even rewind responsive performance. Pushbu the various modes of operation, pled to colored signal lights, quick identification. Precision t heavy duty components provide operation and longevity. The c piece, ribbed heavy casting.



**Specifications:** Speeds—7 $\frac{1}{2}$ , heads—3  $\frac{1}{4}$ -track; records  $\frac{1}{4}$ -track mono; plays  $\frac{1}{4}$ -track stereo, 2 mono; reel size 7 in.; 3 motors; accuracy 1% freq. resp.—7 $\frac{1}{2}$  ips,  $\pm 2$  to 20k cps; 3 $\frac{3}{4}$  ips,  $\pm 3$  db from signal-to-noise ratio, 50 db; wow and flutter, 0.1% at 7 $\frac{1}{2}$  ips, 0.15% at 3 $\frac{3}{4}$  time, 1200-ft. reel, 55 secs. Input phone, impedance 2 meg, sensitivity high level, impedance 0.5 meg, 3 mv. Dimensions, 14 $\frac{1}{2}$ " wide, 10" deep; weight, 30 lbs. Other features: spindle holds reels in any position.