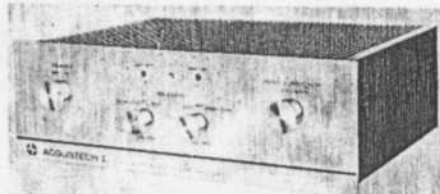


A1. BASIC AMPLIFIER

ACOUSTECH

• **Acoustech 1 Solid-State Stereo Power Amplifier.** A solid-state stereo power amplifier using silicon output stage combined with direct-coupled circuitry. Mil-spec glass-epoxy boards, computer-grade electrolytics, conservative operation of all components.



Specifications: Freq. resp. 2.5 to 250k cps ± 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, 50; output impedances, 4, 8, 16 ohms; controls, on-off, input sensitivity; switches, high and low rolloff; convenience outlets, 1; weight, 29 lbs; dimensions, 15 $\frac{1}{4}$ " wide, 5" high, 12" deep; price, \$395.00. A1-1.

ALTEC

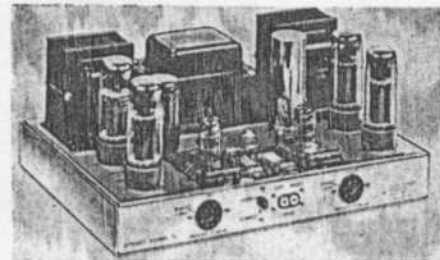
• **351B Solid-State Power Amplifier.** Transistor utility amplifier adaptable to a wide variety of applications. Draws only 6 watts from the power line at zero signal. 70-volt output. "Flashguard" circuit gives a visual warning when output transistors become dangerously overloaded.



Specifications: Freq. resp. 20 to 20k ± 1 db; IHF music power output, 50 watts; harmonic distortion, 1.5% at 40 watts from 25 to 10k 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 ohms, 70v; controls, level; switches, protective circuit; weight, 15 lbs; dimensions, 9 $\frac{3}{4}$ " wide, 5" high, 9 $\frac{1}{4}$ " deep; price, \$252.00. A1-2.

DYNA

• **Stereo 70/A Stereo Power Amplifier.** Conservatively-operated stereo amplifier. Patented Dyna "Biaset" assures long tube life, and low distortion.



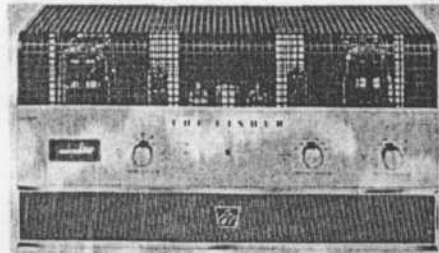
Specifications: Freq. resp. 10 to 40k cps; ± 0.5 db at 1 watt output; power output, rms, 35 watts per channel; harmonic distortion, 1% at 35 watts, ± 1 db from 20 to 20k cps; IM distortion, 1% at 35 watts; hum and noise, 90 db below 35-watt output; sensitivity, input for rated output, 1.3 volts; damping factor, 15; output impedances, 4, 8, 16 ohms; controls, dual bias adjust;

switches stereo-mono power; weight 32 lbs; dimensions, 13" wide, 6 $\frac{1}{2}$ " high, 9 $\frac{1}{2}$ " deep; price, \$129.95. A1-3.

1. Stereo 35/A, 35-w \$79.95
2. Mark 111/A, 60-w \$99.95
3. Mark 1V/A, 40-w \$79.95

FISHER

• **SA-1000 150-Watt Stereo Power Amplifier.** Utilizes newly-developed 8417 cavity-anode beam power output tubes. High percentage of feedback, 780 uf filtering and low-impedance silicon-diode power supply. Hinged cover conceals infrequently-used controls.



Specifications: Freq. resp. 8 to 50k cps ± 1 db at 2 watts output; power bandwidth, 8 to 40k cps; IHF music power output, 75 watts per channel; power output, rms, 65 watts per channel; harmonic distortion, 0.25% at 130 rms watts at 1 kc; IM distortion, 0.4% at 130 watts rms; hum and noise, 90 db below 130 watt rms output; sensitivity, input for rated output, adjustable 0.5 to 2.0 volts with freq. compensated attenuation; damping factor, 17; output impedances, 4, 8, 16 ohms; controls, a.c. Balance, Bias; switches, input attenuator Subsonic Filter. Power; weight, 70 lbs; dimensions, 15 $\frac{1}{4}$ " wide, 7 $\frac{3}{4}$ " high, 12" deep; price, \$320.50. A1-4.

GOTHAM

• **PFB-150 WD.** 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 40k ± 0.5 db at 10 watts output; power bandwidth, 40 to 15k; harmonic distortion, 0.7% at 150 watts from 40 to 15k 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. A1-5.

HARMAN-KARDON

• **Citation B Solid-State 80-watt Stereo Amplifier.** Features: heavy-duty silicon output transistors. All specifications are based on both channels driven simultaneously. Full power is available to 4, 8, 16-ohm loads. Computer-grade electrolytics. Automatically stabilized against extreme heat variations. Fail-safe under direct shorting conditions. B+ fusing. Has idle current adjustments for each output transistor with front panel meter.

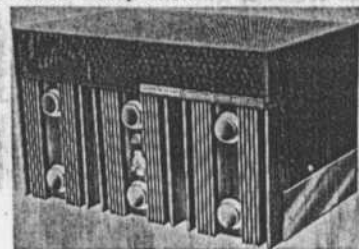


Specifications: Freq. resp. 1 to 100k cps ± 1 db at 1 watt output; power bandwidth, 15 to 60k cps; power output, rms, 40 watts per channel; harmonic distortion, 0.5% at 40 watts from 20 to 20k cps; IM distortion, 0.5% at 40 watts; hum and noise, 90 db below 40 watt output; sensitivity, input for rated output, 1.6 volts; damping factor, 50; output impedances, 4, 8, 16 ohms; controls, individ. idle adjust; switches, meter selector, subsonic filter, power, impedance convenience outlets, 1; weight, 33 lbs; dimensions, 14 $\frac{1}{2}$ " wide, 5 $\frac{1}{2}$ " high, 14" deep; price, \$425.00. A1-6.

LAFAYETTE

• **LA-280 Criterion 200-Watt Solid-State Stereo Amplifier.** Using a total of 30 solid-

state devices, the LA-280 develops 100-watts each stereo channel into a 4-ohm load. All components are conservatively rated. The LA-280 has outputs for electrostatic speakers and stereo headphones.



Specifications: Freq. resp. 15 to 20k cps ± 0.1 db at 100 watts output; IHF music power output, 100 watts per channel; power output, rms, 80 watts per channel; harmonic distortion, 0.05% at 75 watts from 100 to 20k cps; IM distortion, 0.2% at 120 watts; hum and noise, 90 db below rated output; sensitivity, input for rated output, 1.5 volts; output impedances, 4, 8, 16 ohms; controls, power on/off; input level; convenience outlets, 2; shpg. weight, 35 lbs; dimensions, 14 $\frac{1}{2}$ " wide, 8" high, 9 $\frac{1}{2}$ " deep; price, \$299.50. A1-7.

JBL

• **Solid-State Energizer.** The Energizer takes the place of a conventional stereo amplifier. It is a solid-state audio power source which becomes an integral part of any JBL loudspeaker enclosure combination. Plug-in circuit board controls damping and makes minor adjustments in frequency contour of specific JBL speaker systems. Installs directly in loudspeaker enclosure back panel.



Specifications: Sensitivity, input for rated output, 3 volts; output impedances, for 8, 16 ohm speaker; controls, Chan A gain, Chan B gain; weight 18 lbs; dimensions, 15 $\frac{1}{4}$ " wide, 4 $\frac{1}{2}$ " high, 5 $\frac{1}{4}$ " deep; price, \$216.00. Available either factory installed, or for addition to existing JBL speaker systems. A1-8.

LEAK

• **Stereo 60.** Two identical power amplifiers, electronically separate but physically combined.



Specifications: Freq. resp. 20 to 20k cps ± 0.5 db at 25 watts rms output; IHF music power output, 50 watts per channel; power output, rms, 30 watts per channel; harmonic distortion, 0.1% at 25 watts at 1000 cps; hum and noise, 80 db below 30 watt output; sensitivity, input for rated output, 0.125 volts; damping factor, 25; output impedances, 4, 8, 16 ohms; convenience outlets, 2; weight, 29 lbs; dimensions, 10 $\frac{1}{2}$ " wide, 6 $\frac{1}{2}$ " high, 13 $\frac{1}{2}$ " deep; price, \$210.00. A1-9.

1. Stereo, 20 20-watt stereo \$149.00
2. TL/50 Plus 50-watt mono \$159.00
3. TL/25 Plus 25-watt mono \$119.00

MARANTZ

• **Model 8B Stereo 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 40k cps ± 1 db at 1 watt output; power bandwidth ± 1 db, 15 to 40k 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 factor, 20; output impedances, 4, 8, 16 ohms; controls; bias, balance; switches; bias test; weight 55 lbs; dimensions 13 1/2" wide, 7 1/4" high, 10 1/2" deep; price \$285.00. A1-10.

1. Model 9, 70-w mono \$384.00
2. Model 9R, rack panel mount \$414.00
3. Model 970, 70-w 8-ohm, 16-ohm, 70.7V \$384.00
4. Model 970R, rack panel mount \$414.00

McINTOSH

• **MC275 Stereo Amplifier.** Produces 75 watts continuous power, simultaneously, from each channel with harmonic distortion less than 0.5% throughout the audio range.



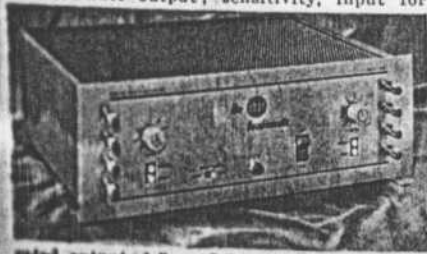
Specifications: Freq. resp. 16 to 60k cps ± 0.25 db at 75 watts output; power bandwidth, 16 to 60k cps; IHF music power output, 100 watts per channel; power output, rms, 75 watts per channel; harmonic distortion, 0.5% at 75 watts from 20 to 20k cps; IM distortion, 0.5% at 75 watts; hum and noise, 90 db below 75 watt output; sensitivity, input for rated output, 0.5 volts; damping factor, 10; output impedances, 4, 8, 16, 600 ohms 70 volt, 115 volt; controls, gain balance; switches, stereo/twin/mono; convenience outlets, 1; weight, 67 lbs; dimensions, 12 1/4" wide, 8" high, 17 1/4" deep; price, \$444.00. A1-11.

1. MC275 25-Watts/Channel \$198.00
2. MC240 40-Watts/Channel \$288.00
3. MC40 40-Watts mono \$159.00
4. MC75 75-Watts mono \$229.50

PURE-SONICS

• **Quadramatic Amplifier Model 402-C.**

Specifications: Freq. resp. 8 to 50k cps ± 1 db at 10 watts output; power bandwidth, 25 to 20k cps; IHF music power output, 80 watts per channel; power output, rms, 40 watts per channel; hum and noise, 80 db below 40 watt output; sensitivity, input for



rated output, 1.5 or 2.5 volts; damping factor, infinite; output impedances, 4, 8, 16 ohms; controls, input level; switches, sensitivity; weight, 35 lbs; dimensions, 17" wide, 6 1/4" high, 11" deep; price, \$314.00. A1-12.

1. 1180 80-w rms, 160-w IHF mono, \$249.00

QUAD

• **Quad II Power Amplifier.**

Specifications: Freq. resp. 10 to 60k cps ± 1 db at 1 watt output; power output, rms,

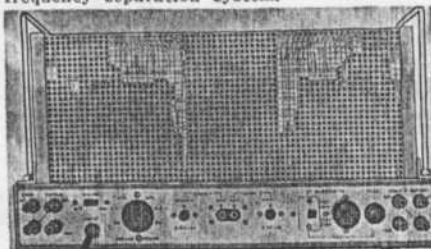
15 watts per channel; hum and noise, 80 db below 12 watt output; sensitivity, input for rated output, 1.4 volts; damping factor, 10;



output impedances, 15, 7 ohms; weight, 18 lbs; dimensions, 4 3/4" wide, 6 3/4" high, 12 1/2" deep; price, \$100.00. A1-13.

RADFORD

• **ISTA 60 Power Amplifier.** Unconditionally stable—will feed pure capacity loads. Employs patented feedback circuits, with very heavy feedback at all frequencies—instability from transformer phase shift eliminated by a frequency separation system.



Specifications: Freq. resp. 5 to 200k cps ± 1 db; power bandwidth, 10 to 50k cps; IHF music power output, 90 watts per channel; power output, rms, 75 watts per channel; harmonic distortion, 1% at 75 watts from 20 to 20k cps; IM distortion, 2% at 75 watts; hum and noise, 90 db below 1 watt output; sensitivity, input for rated output, 0.5 volts; damping factor, 50; output impedances, 4, 8, 16 ohms; switches, power, voltage; weight, 48 lbs; dimensions, 15" wide, 8 3/4" high, 12 1/4" deep; price, \$300.00. A1-14.

1. ISTA 30 40-w-per-chan. \$250.00

A2. BASIC AMP KIT

ACOUSTECH

• **Acoustech 111 Solid-State Stereo Amplifier Kit.** Silicon transistors, direct coupled, glass-epoxy plug-in circuit boards, computer-grade electrolytics, conservative operation of all components.

Specifications: Rise time 1 μ s; power bandwidth, 20 to 20k cps; power output, rms, 40 watts per channel; harmonic distortion, 0.25% from 20 to 20k cps; IM distortion, 0.45% at 40 watts; hum and noise, 85 db below 40 watt output; sensitivity, input for rated output, 2.0 volts; damping factor, 70; output impedances, 4, 8, 16 ohms; controls, on-off; convenience outlets, 1; weight, 25 lbs; dimensions, 15 1/2" wide, 5" high, 8" deep; price, \$199.00. (assembled \$350.00). A2-1.

DYNAKIT

• **Stereo-35 Amplifier Kit.** Utilizes a combination of positive and negative feedback.



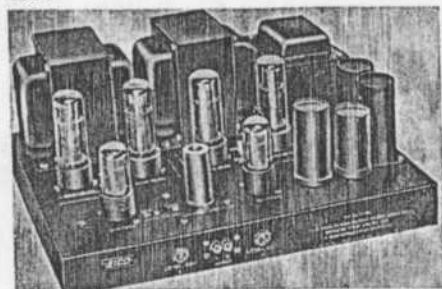
High quality output transformers. Builds in 3 hours, no instruments or adjustments. Pre-assembled etched circuit boards. Compact, low profile design.

Specifications: Freq. resp. 20 to 20k cps ± 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 (± 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. A2-2.

1. Stereo 70, 35-w rms ea chan \$99.95
2. Mark III, 60-w rms mono \$79.95
3. Mark IV, 4-w rms mono \$59.95

EICO

• **IIF89A 110-watt Stereo Amplifier Kit.** Cathode-coupled phase-inverter-driven circuit, preceded by a direct-coupled voltage amplifier. Fixed-bias, push-pull EL34's output stage with provision for both bias and d.c.-balance adjustments. Silicon diode rectifiers.



Specifications: Freq. Resp. 5 to 100k cps ± 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. A2-3.

1. HF-87A 80-w stereo amp kit \$74.95

FISHER

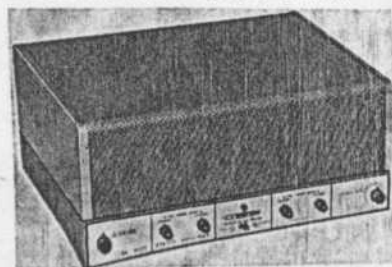
• **K-1000 Stratakit 150-Watt Stereo Amplifier Kit.** The Fisher K-1000 is the kit version of the SA-1000, and is in all respects the same. It incorporates a system for a.c. balancing the phase-inverter for minimum IM distortion, without need for a distortion analyzer. Metering circuit incorporated for setting bias and balance. Price, \$279.50. A2-4.

HARMAN-KARDON

• **Citation B Solid-State 80 Watt Amplifier Kit.** Unique kit pictorial-instructions make the Citation B simple to assemble. Output transistors and power transformer are pre-assembled into place. A completely laced and cut wiring harness is provided. Features and specifications are exactly the same as the factory-wired version. Price \$335.00. (assembled \$425.00). A2-5.

HEATHKIT

• **Model AA-121 80-Watt Stereo Amplifier Kit.** Fixed bias, front panel controls, extra mixed-channel center speaker output.



Specifications: Freq. resp. 20 to 20k cps ± 0.5 db at 80 watts output; power bandwidth, 20 to 20k cps; IHF music power output, 49 watts per channel; power output, rms, 40 watts per channel; harmonic distortion, 1.5% at 40 watts from 20 to 20k cps; IM distortion, 0.5% at 40 watts; hum and

noise, 85 db below 40 watt output; sensitivity, input for rated output, 0.95 volts; damping factor, 16; output impedances, 4, 8, 16 ohms; controls, level, bias, balance; switches, power; convenience outlets, 2; weight, 40 lbs; dimensions, 15" wide, 7 1/4" high, 11" deep; price, \$79.95. A2-6.

1. AA-111 28-w ster \$44.95

SCHOBER

• **TR-2 Transistor Power Amplifier.** Clips symmetrically at 50 watts with 1 kc sine wave input and with an 8-ohm load. With a 16-ohm load the clipping point is 31 watts; with a 4-ohm load, 48 watts. Built-in fan provides forced air cooling of chassis and interior components. Circuit breaker line protection.

Specifications: Freq. resp. 20 to 25k cps ± 1.0 db at 40 watts output; power bandwidth, 20 to 25k cps; power output, rms, 40 watts per channel; harmonic distortion, 0.75% at 40 watts from 30 to 20k cps; IM distortion, 1.4% at 40 watts; hum and noise, 85 db below 40 watt output; sensitivity, input for rated output, 0.055 volts; output impedances, 4, 8, 16 ohms; controls, coarse gain, fine gain; switches, on-off; weight, 12 1/2 lbs; dimensions, 5 1/2" wide, 11 1/4" high, 7 1/2" deep; price, \$69.95. A2-7.

A3. PREAMPLIFIER

ACOUSTECH

• **Acoustech 11 Solid-State Stereo Control Center.** Stepped-switch tone and level controls, three switched low-level inputs and four high-level inputs. Full tape facilities. Tape, microphone and RIAA equalization on low-level inputs.

Specifications: Inputs: Mag 1, Mag 2, Mag 3, tuner, aux 1, aux 2, tape mon; controls: 2 bass, 2 treble, level, balance mode selector; switches: hi filter, lo filter, loudness, equalization muting, speaker selection; outputs: main, 47 ohms, 2.5 max. volts; recording, 100k ohms, 0.5 volts; freq. resp. 1 to 100k cps ± 0 db at 2.5 volts; harmonic distortion, 0.25% at 2.5 volts from 20 to 20k cps; IM distortion, 0.25% at 2.5 volts; sensitivity, input for 1 volt output, phono, 1 mv, tuner, 0.15 volts; hum and noise, 60 db below 2.5 volt output. Weight, 13 lbs; dimensions, 15 1/4" wide, 5" high, 12" deep. Price, \$348.00. A3-1.

DYNA

• **PAS-3/A Stereo Preamplifier.** A high-feedback stereo preamplifier with full flexibility and exceptional ease of operation.



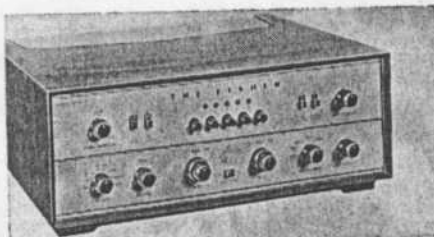
Specifications: Inputs: Special (low level), phono, tape head, tape FM-AM, monitor FM-MPX, Spare (high level); controls: selector, volume, balance, blend, bass and treble on each channel; switches: power, filter, monitor, loudness compensation; outputs: main 5k ohms, 2 max. volts; recording 0.5 volts; freq. resp. 10 to 40k cps ± 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. A3-2.

1. PAS-2/A ster preamp \$99.95
2. PAM-1/A mono preamp \$59.95

FISHER

• **400-CX Stereo Master Audio Control.** 28 controls and 18 inputs. Stereo dimension control and tape monitoring facilities. Separate high and low input-level controls. Connector for attaching a remote balance and volume control. Jewel indicator system.

Specifications: Inputs: Mag 1 Mag 2 Tape hd., Tape Amp., Aux 1 Aux 2; controls; Volume Center Chan Volume, Balance, Treble (2), Bass (2), Stereo Dimension, Loud-



ness Contour Mode; switches: Input Selector, Low Level Equalizer, High & Low Filter, Phase Rev.; outputs: main, 30 ohms, 35 max. volts; recording, 5k ohms; freq. resp. 20 to 20k cps ± 0.5 db at 2.5 volts; harmonic distortion, 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 1/4" wide, 4 13/16" high, 12" deep. Price, \$199.50. A3-3. Accessories: 10-UW, UM walnut and mahogany cabinets, \$24.95; MC-2 metal cabinet, \$15.95; RK-1 remote control \$17.95.

HARMAN-KARDON

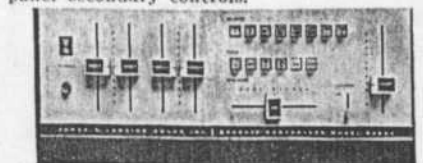
• **Citation A Solid-State Stereo Control Center.** Seven stages of gain on slide-out glass epoxy boards. Stabilized against extreme temperature variations. Total rise time less than one microsecond. Zener diode regulated power supply. Tone controls out of circuit in "flat" position. Front panel high impedance earphone jack.



Specifications: Inputs: phono 1, phono 2, tape head, tuner, aux. tape amp; controls: two bass, two treble, loudness mode, function, blend, balance, turnover, rolloff; switches: stereo rev, low cut, contour, tape mon, system on/off, amp on/off; outputs: main, low imp, 6 max. volts; recording, low, 2 volts; freq. resp. 1 to 1 meg ± 0.25 db at 2 volts; harmonic distortion, unmeasur. at 2 volts from 20 to 20k 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. Weight, 25 lbs; dimensions, 14 1/4" wide, 5 1/2" high, 7" deep. Price \$350.00. WCA walnut enclosure \$20.00. A3-4.

JBL

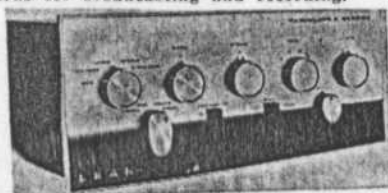
• **SG520 "Graphic Controller" Stereo Pre-amp.** Illuminated pushbutton selectors and straight-line controls, plus concealed front panel secondary controls.



Specifications: Inputs: Phono, tape, tape head mic., tuner, aux; controls: volume, bass A & B, treble A & B, balance, phono balance, phono gain, gain A & B; switches: on-off, loudness, source, mode, tape mon., HF filter LF filter; outputs: main, less than 50 ohms, 3 max. volts; recording 1 volt; freq. resp. 20 to 20k cps ± 0.25 db at 3 volts; harmonic distortion, 0.15% at 3 volts from 20 to 20k cps; phono, 60 db, tuner, 20 db; hum and noise, one microvolt referred to low level phono. Tuner 90 db below rated out. Dimensions, 15 1/4" wide, 6 1/4" high, 12 1/2" deep. Price, \$450.00. A3-5.

LEAK

• **Varislope 2 Stereo Control Center.** Functions electronically to the performance standards for broadcasting and recording.

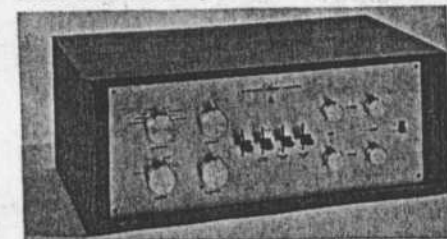


Specifications: Inputs: Phono, Tape Head, Tuner, Microphone, Tape Amp; controls: Bass, Treble, Balance, Volume w/On-Off Switch; switches: Input Selector, Function, Filter (H.F.), Filter Slope Switch & Tape Monitor; outputs: main, 100k ohms, 0.125 max. volts; recording, 100k ohms, 0.125 volts; freq. resp. 20 to 20k cps ± 0.5 db at 0.125 volts; harmonic distortion, 0.01% at 0.125 volts at 1k cps; sensitivity, input for 0.125 volt output, phono, 3.5 mv, tuner, 50 mv volts; hum and noise, 60 db below 0.125 volt output. Weight, 6 lbs; dimensions 10 1/2" wide, 3 1/4" high, 6 1/2" deep. Price, 129.50. A3-6.

1. Point One control center \$119.50

MARANTZ

• **Model 7 Stereo Console.** Built to last, using professional cabling and other quality construction techniques.



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, cathode follower, 15 max. volts; freq. resp. 20 to 20k cps ± 0.5 db; 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 1/4" wide, 5 1/4" high, 7" deep. Price, \$285.00, wooden cabinet, \$24.00. A3-7.

McINTOSH

• **C24 Solid-State Preamplifier.** Features silicon-planar transistors.

Specifications: Inputs: Tuner, Tape, Aux, Phono 1, Phono 2, Tape Hd; controls: Bass, Treble, Contour, Mode, Volume, Selector; switches: HF Filter LF Filter RIAA/LP, Tape Mon, Speaker, Phase; outputs: main,



10k ohms, 10 max. volts; recording, 10k ohms, 1.2 volts; freq. resp. 20 to 20k cps ± 0.25 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 1 volt output, phono, 0.7 mv, tuner, 0.1 volts; hum and noise, 110 db below 2.5 volt output. Weight, 17 lbs; dimensions, 16" wide, 5 7/16" high, 11" deep. Price, \$249.00. A3-8.

1. C22 ster preamp \$279.00

PURE-SONICS

• **Stereo Control Center Model 110A.**

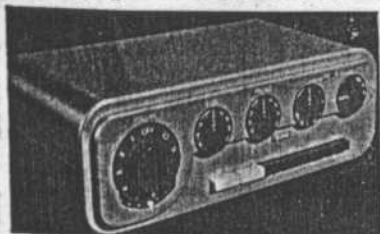
Specifications: Inputs: Mike, Phono 1, Phono 2, Tape, Tuner 1, Tuner 2; controls: Volume, Bass (2), Treble (2); switches: Mode, Output, Contour, Rumble, Tape,



Scratch; freq. resp. 8 to 70k cps ± 1 db at 10 volts; harmonic distortion, immeasurable at 2 volts from 20 to 20k cps; IM distortion, immeasurable at 2 volts; sensitivity, input for 1 volt output, phono, 1 mv, tuner, 0.1 volts; hum and noise, 75 db below 2 volt output. Weight, 15 lbs; dimensions, 16" wide, 5 1/4" high, 9" deep. Price, \$269.00. A3-9.

QUAD

• **Quad 22 Control Unit.**
Specifications: Inputs: Phono, Tuner, 1, 2, Tape, Microphone; controls: Volume, Balance, Bass, Treble, Filter slope, Filter frequency; switches: on/off, Mono/Stereo/2-Mono and Input selector push-buttons; outputs: main, 1.5 Meg, 1.4 max. volts; recording, 600 k ohms, 0.1 volts; freq. resp. 20 to 20k cps ± 0.5 db at 1.4 volts; harmonic



distortion, 0.02% at 1.4 volts at 700 cps; sensitivity, input for 1.4 volt output, phono, 4 mv, tuner, 0.07 volts; hum and noise, 70 db below 1.4 volt output. Weight, 7 lbs; dimensions, 10 1/2" wide, 3 1/2" high, 6" deep. Price, \$107.00. A3-10.

RADFORD

• **RC-4 Transistorized Preamplifier.** Feedback rumble filter, high signal-to-noise ratio. Styled with aluminum anodized panel, lathe turned aluminum knobs; lifetime finish.
Specifications: Inputs: Phono, tuner, tape, aux., tape mon.; controls: bass, treble, gain, balance; switches: disc, filter, mono, monitor, aux 1, aux 2; outputs: main, 600 ohms, 10.5 max. volts; recording, 600 ohms, 10.5 volts; freq. resp. 30 to 60k cps ± 1 db at 0.5 volts; harmonic distortion, 0.01% at 10.5 volts from 20 to 60k cps; IM distortion, 0.03% at 10.5 volts; sensitivity, input for 1 volt output, phono, 4 mv, tuner, 10.5 volts; hum and noise, 60 db below 0.5 volt output. Weight, 8 lbs; dimensions, 10 1/2" wide, 3 3/4" high, 5 1/2" deep. Price, \$150.00. A3-11.
 1, SC-6 3-chan transistor control unit \$175.00

A4. PREAMPLIFIER KIT

ACOUSTECH

• **Acoustech IV Solid-State Stereo Control Center Kit.** Excellent ability to handle overloads. Two switched high-level inputs, three switched low-level inputs, tape monitoring facilities.
Specifications: Inputs: Mag 1, Mag 2 hi Mag 2 lo tuner aux, tape monitor; controls: 2 bass, 2 treble, level, balance, mode selector; switches: on-off, tape mon, muting, freq. comp.; outputs: main 2k ohms, 2.0 max. volts; recording 100k ohms, 0.5 volts; freq. resp. 1 to 100k cps ± 0 db at 2.0 volts; harmonic distortion, 0.15% at 2 volts from 20 to 20k cps; IM distortion, 0.09% at 2 volts; sensitivity, input for 1 volt output, phono, 1.5 mv, tuner, 0.2 volts; hum and noise, 75 db below 2 volt output. Weight, 10 lbs; dimensions, 15 1/2" wide, 5" high, 8" deep. Price, \$140.00. (Assembled, \$225.00). A4-1.

DYNAKIT

• **PAR-2 Stereo Preamplifier Kit.** Low-cost, feedback-design control center. Easy construction, simplified circuitry, preassembled etched circuit boards.



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 ± 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 panel mount kit, \$13.95. A4-2.
 1. PAS-3 stereo preamp kit \$69.95
 2. PAM-1 mono preamp kit \$34.95

EICO

• **ST 84 Stereo Preamplifier Kit.** Distortion down to 0.05% at all levels.
Specifications: Inputs: mag ph, tape hd, mic, tuner, (3) aux; controls: level, balance, bass, treble; switches: input, mode, tape mon, loudness, scratch filter, rumble filter; tape speed equal'n; outputs: main 8k ohms, 4



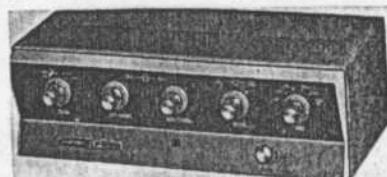
max. volts; recording, 1400 ohms, 4 volts; freq. resp. 5 to 25k cps ± 0.3 db at 2 volts; harmonic distortion, 0.05% at 2 volts from 20 to 20k cps; IM distortion, 0.04% at 2 volts; sensitivity, input for 1 volt output, phono 1.6 mv, tuner, 0.17 volts; hum and noise 70 db below 1 volt output. Weight 8 1/2 lbs; dimensions, 15 1/2" wide, 5 1/2" high, 8 3/4" deep. Price \$59.95. A4-3.

HARMAN-KARDON

• **Citation A Solid-State Stereo Control Center Kit.** Description and specifications same as Citation A preamp. Price, \$279.95 (assembled, \$350.00). A4-4.

HEATHKIT

• **Model AA-141A Stereo Preamplifier Kit.** Features 8 inputs, cathode follower outputs, self-powered, and Baxandall-type tone controls.
Specifications: Inputs: Mag, Phone, Xtal, Phono, Aux. 1, Aux. 2; controls: Volume, Bass, Treble, Fil. Balance; switches: Source,



Mode, Power; outputs: main, 1500 ohms, 2.5 max. volts; recording, 1500 ohms, 2.5 volts; freq. resp. 20 to 20k cps ± 1 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 1 volt output, phono, 0.003 mv, tuner, 0.1 volts; hum and noise, 65 db below 2.5 volt output. Weight, 11 lbs; dimensions, 15 1/2" wide, 5 1/2" high, 7 13/16" deep. Price, \$34.95. A4-5.

1. AA-11 stereo preamp kit \$84.95

A5. INTEGRATED AMP (AMP-PREAMP)

ACOUSTECH

• **Acoustech V Solid-State Stereo Control Amplifier.** Direct-coupled silicon transistor circuit combined with an all silicon transistor preamplifier. Glass-epoxy plug-in circuit boards, computer-grade electrolytics and flexible control functions.
Specifications: Rise Time, 2 μ sec.; power bandwidth, 20 to 20k cps; power output, rms, 30 watts per channel; harmonic distortion, 0.25% at 20 watts from 20 to 20k cps; IM distortion, 0.5% at 30 watts (8 ohms out); hum and noise, 70 db below 30 watt output; sensitivity, input for rated output—phono, 2.5 mv, tuner, 0.5 volts; damping factor 60; output impedances, 4, 8, 16 ohms (no output transformer); inputs—3 phono, 1 tape amp, 1 aux, 1 tuner; weight, 30 lbs. Dimensions, 15 1/2" wide, 5" high, 12" deep. Price, \$299.00. A5-1.

ALTEC

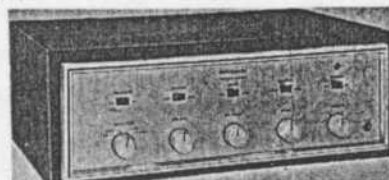
• **360A Amplifier.** All solid-state circuit, matrixing network for center-channel voltage output. Automatic reset circuit breakers for overcurrent protection of each channel and a.c. line. Dual microphone inputs for stereo recording. Diffused panel illumination plus daylight power indicator. Both headset 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 ± 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 greater than 10; output impedances, 4, 8, 16 ohms; input—phono, tape head, tape amp, mic; weight, 24 lbs. Dimensions, 15" wide, 5 1/2" high, 11 3/4" deep. Price \$389.00. A5-2.

BOGEN

• **AT600 Solid-State Stereo Amplifier-Preamplifier.** 60-watt stereo amplifier, headphone outlet, brushed-gold finish front panel, choice of either wood or vinyl-clad metal enclosure.
Specifications: Freq. resp. 15 to 75,000 cps ± 1 db at 1 watt output; power bandwidth, 20 to 20,000 cps; IHF music power output, 30 watts per channel; power output, rms, 25 watts per channel; harmonic distortion, 0.75% at 25 watts from 20 to 17,000 cps; IM distortion, 0.7% at 25 watts; hum



and noise, 80 db below 25 watt output; sensitivity, input for rated output—phono, 25 mv, tuner, 0.25 volts; damping factor 40; output impedances, 4, 8, 16 ohms; inputs—2 phono, 2 tape head; 2 tape amp, 2 aux, weight, 15 lbs. Dimensions, 15" wide, 4 1/2" high, 10" deep. Price \$224.95. Enclosures: EN11 (metal) \$14.95; WE11 (walnut) \$27.95. A5-3.

1. AP250 50-watt ster amp-preamp .. \$154.95
 2. AP35 35-watt ster amp-preamp .. \$ 99.95

DYNA

• **SCA-35/A Stereo Control Amplifier.** Excellent power response, stability with any load, and overload characteristics. Provision for third-speaker output or connection for headphones on rear panel. Bandpass filter for balanced response even with noisy discs or rumble-prone players.
Specifications: Freq. resp. 20 to 20k cps ± 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 ± 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 \$139.95. Dynaco, Inc. A5-4.

FISHER

• **TX-300 Stereophonic Transistor Master Control-Amplifier.** Tape monitor system permits monitoring and playback with use of tone controls and filters. Features low noise and good transient response. Sixteen inputs, ten outputs, twenty-one controls and switches. A front-panel jack is provided for connection of headphones, and tape recorders can be connected to jacks on both front and rear panels.

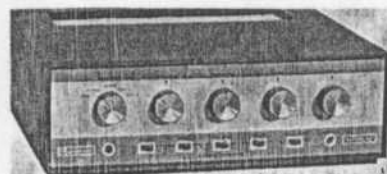


Specifications: Freq. resp. 10 to 25k cps ± 1 db at 2 watts output; power bandwidth, 12 to 50k cps; IIF music power output, 50 watts per channel; power output, rms, 36 watts per channel; harmonic distortion, 0.5% at 72 rms watts at 1 kc; IM distortion, 0.5% at 72 watts; hum and noise, 86db below 72-watt output; sensitivity, input for rated output—phono, 2.8 mv, tuner, 0.2 volts; damping factor 10; output impedances, 4 to 16 ohms; inputs—2 phono, 2 tape head, 2 tape monitor, 2 aux, 2 mic; weight, 24 lbs. Dimensions, 15 1/4" wide, 4 13/16" high, 11 1/2" deep. Price, \$329.50. Accessories: Model 50-U, walnut cabinet, \$24.95. A5-5.

1. X-100-B 50-w ster amp \$169.50
2. X-101-C 60-w ster amp \$199.50
3. X-202-B 80-w ster amp \$249.50

GROMMES

• **A41 40-Watt Stereo Amplifier.** Solid-state with drift-field power transistors and diode bias. Transformer coupled driver, output overload protection with feedback around every stage to ensure long trouble-free operation.



Specifications: Freq. resp. 20 to 20,000 cps ± 0.5 db at 20 watts output; power bandwidth, 20 to 20,000 cps; IIF music power output, 25 watts per channel; power output, rms, 20 watts per channel; harmonic distortion, 0.5% at 20 watts from 30 to 15,000 cps; IM distortion, 0.5% at 20 watts; hum and noise, 85 db below 20-watt output; sensitivity, input for rated output—phono, 2 mv, tuner, 0.15 volts; damping factor 30; output impedances, 4, 8, 16 ohms; inputs—1 phono, 1 tape head, 2 aux, 1 tuner; Dimensions 13 1/4" wide, 4 3/4" high, 11" deep. Tent. Price, \$179.95. Accessories: Walnut cabinet, \$14.95. A5-6.

1. A40 40-w ster-amp \$119.95
2. A25 25-watt ster amp \$ 79.95

HARMAN-KARDON

• **A1000T Solid-State Integrated 70-Watt Stereo Amplifier.** Features: industrial grade silicon transistors, regulated power supply, military-type hinged glass-epoxy boards.

Specifications: Freq. resp. 10 to 100,000 cps $\pm 1/2$ db at 1 watt output; power bandwidth, 10 to 60 k cps; IIF music power output, 40 watts (8 ohms) per channel; power output, rms, 35 watts per channel; harmonic

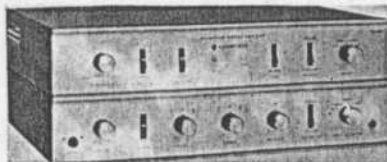


distortion, 0.5% at rated power from 20 to 10,000 cps; IM distortion, 0.5% at rated output, hum and noise, 85 db below 35-watt output; sensitivity, input for rated output—phono, 2.5 mv, tuner, 0.2 volts; damping factor, 50 at 8 ohms; output impedances, 4, 8, 16 ohms; inputs—6 phono, 2 tape head, 2 tape amp, 2 aux, 2 tuner; weight, 25 lbs. Dimensions, 14 1/16" wide, 3 3/4" high, 10" deep. Price, \$369.95. Accessories: CW10 walnut enclosure, \$19.95. A5-7.

KENWOOD

• **Model TK-400 Transistor Stereo Amplifier.** Front-panel see-saw switches, direct tapemonitor system, front-panel stereo headset jack. New chassis has flexibility of design.

Specifications: Freq. resp. 20 to 20,000 cps ± 1 db at 1 watt output; IIF music power output, 40 watts per channel; power output,

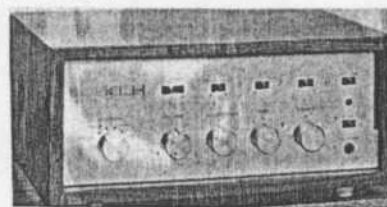


rms, 32 watts per channel; harmonic distortion, 1% at 25 watts from 30 to 25,000 cps; hum and noise, 75 db below 32-watt output; sensitivity, input for rated output—phono, 1.5 mv, tuner, 0.1 volts; damping factor 20; inputs—2 phono, 1 tape head, 1 tape amp, 2 aux, weight, 27 lbs. Dimensions, 15 1/4" wide, 5 1/4" high, 12 1/4" deep. Price, \$199.95. A5-8.

1. Model KM-220 Integrated Stereo Amp \$169.95

KLH

• **Model Sixteen Transistor Integrated Amplifier.** Protective electrical circuit in output stages. Complete shorts across either or both loudspeaker outputs will cause no damage. The protective circuit is designed also to safeguard the amplifier from damage due to operation of the output stages at full power with no load.

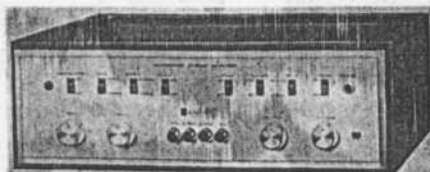


Specifications: Freq. resp. 25 to 20k cps $+0, -1$ db at 70 watts both channels operating; power bandwidth, 25 to 20k cps; IIF music power output, 50 watts per channel; power output, rms, 35 minimum watts per channel; harmonic distortion, less than 2% at 35 watts from 25 to 20k cps with both channels operating into 8-ohm loads; hum and noise, 80 db below 35-watt output; sensitivity, input for rated output—phono, 2 mv, tuner, 0.3 volts; damping factor 4; output impedances, 8 ohms; inputs—2 phono, 2 tape amp, 4 aux, 2 tuner; weight, 12 lbs. Dimensions, 11 1/4" wide, 4 1/2" high, 10 1/2" deep. Price, \$219.95. East coast. Accessories: oiled walnut case, \$19.95. A5-9.

KNIGHT

• **KN-999 100-Watt Stereo Amplifier.** Solid-state circuit.

Specifications: Freq. resp. 20 to 25,000 cps ± 0.5 db at 100 watts output; IIF music power output, 50 watts per channel; power output, rms, 35 watts per channel; harmonic distortion, 1%; hum and noise, 80 db below rated output; sensitivity, input for rated



output—phono, 2 mv, tuner, 0.1 volts; output impedances, 4, 8, 16 ohms; inputs—2 phono, 1 tape head, 1 tape amp, 1 aux, weight, 20 lbs. Dimensions, 13 1/4" wide, 4 1/2" high, 12 1/4" deep. Price, \$179.95. Accessories: Metal case, \$5.95. A5-10.

1. KN-950A solid-state-50-w ster amp \$119.95
2. KN-940A-44-w ster amp \$ 89.95
3. KN-928-28-w ster amp \$ 54.95
4. KN-918-15-w ster amp \$ 39.95

LAFAYETTE

• **LA-250A 50-watt Integrated Stereo Amp.** Full range of controls including separation and volume balance. Third channel output, d.c. on the filaments of preamp and tone-control tubes.



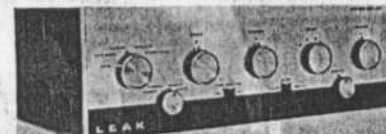
Specifications: Freq. resp. 20 to 50,000 cps ± 1 db at 20 watts output; power bandwidth, 20 to 50,000 cps; IIF music power output, 25 watts per channel; power output, rms, 20 watts per channel; harmonic distortion, 0.25% at 1 watt from 20 to 20,000 cps; IM distortion, 0.5% at 1 watt; hum and noise, 77 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 23 lbs. Dimensions, 14 1/2" wide, 5 1/2" high, 12 1/4" deep. Price, \$99.50. A5-11.

1. LA-200WX 44-w transistor ster amp \$109.50
2. LA-340WX 40-w transistor ster amp \$ 79.50
3. LA-260WX 40-w integ ster amp .. \$ 79.95
4. LA-224WX 24-w integ ster amp \$ 49.95

LEAK

• **Stereo 30.** Solid-state, accepts all sources, i.e. record, tape, tuner, or microphone.

Specifications: Freq. resp. 30 to 20k cps ± 1 db; IIF music power output, 15 watts per channel; harmonic distortion, 0.1% at 8 watts, 1000 cps; hum and noise, 60 db



below 15 watt output; sensitivity, input for rated output—phono, 3.5 mv at 47k ohms, 20 mv at 33k ohms, 60 mv at 100k ohms, damping factor, 60 at 1000 cps; output impedances, 4, 8, 15 ohms; inputs—2 phono, 1 tape head, 1 tape amp, 1 aux (tuner), 1 mike; weight, 14 lbs. Dimensions, 13" wide, 4 1/4" high, 9" deep. Price, \$249.50. A5-12.

LUX

• **LUX-S063 Stereo Amplifier.** An integrated amplifier employing the motional-feedback system.

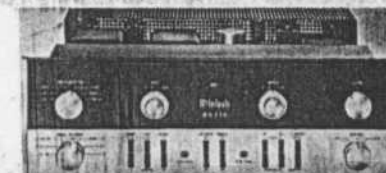
Specifications: Freq. resp. 30 to 30k cps -3 db at 10 watts output; power bandwidth, 30 to 30k cps; IIF music power output, 15 watts per channel; power output, rms, 12 watts per channel; harmonic distortion, 0.7% at 13 watts from 40 to 25k cps; IM distortion, 2% at 13 watts; hum and noise, 60 db below 13-watt output; sensitivity, input for rated output—phono, 4 mv, tuner, 0.2 volts; damping factor 8; output impedances, 8, and 16 ohms; inputs—one phono/and inductive with MFB, one tape head, one tape amp, one aux, one X'tal; weight, 25.3 lbs. Dimensions, 10" wide, 4" high, 7 1/4" deep. Accessories furnished: a pair of sp. cords fuses and lamps. A5-13.

1. SO 11 10-w trans ster amp
2. SQ 38 10-w ster
3. SQ5B 14-w ster amp
4. SQ 77 10-w ster amp

McINTOSH

• **MA-230 Amplifier-Preamplifier.** 30 watt-per-channel tube power amplifier combined with a solid-state preamplifier.

Specifications: Freq. resp. 20 to 20k cps ± 0.25 db at 30 watts output; power bandwidth, 20 to 20k cps; IIF music power output, 44 watts per channel; power output, rms, 30 watts per channel; harmonic dis-



ortion, 0.5% at 30 watts from 20 to 20k cps; IM distortion, 0.5% at 30 watts; hum and noise, 75 db below 30-watt output; sensitivity, input for rated output—phono, 1.5 mv, tuner, 0.25 volts; damping factor 10; output impedances, 4, 8, 16 ohms; inputs—2 phono, 1 tape head, 1 tape amp, a tuner; weight, 43 lbs. Dimensions, 16" wide, 5 7/16" high, 14 1/2" deep. Price, \$349.00. Accessories: cabinet, \$29.00. A5-14.

PILOT

• **Pilot A-288 80-Watt Integrated Amplifier.** Twelve push buttons, two private listening headphone jacks, styled in black, gold, and white.

Specifications: Freq. resp. 5 to 50k cps ± 1 db at rated watts output; IIF music power output, 80 watts per channel; harmonic distortion, 0.1%; hum and noise, -80 db below rated output; sensitivity, input for rated output—phono, 12+3 mv, tuner, 110 mv; output impedances, 4, 8, 16 ohms; inputs—2 phono, 1 tape head, 1 tape amp, 1 aux, 1 Mic; Dimensions, 15 $\frac{1}{2}$ " wide, 6 $\frac{1}{4}$ " high, 12 $\frac{1}{2}$ " deep. Price, \$289.50. Accessories: walnut enclosure, \$22.50. A5-15.

1. 246 60-w integ ster amp \$199.50
2. 230 24-w integ ster amp \$ 89.50

PURE-SONICS

• **Stereo Amplifier Model 250.** Transistor front end.

Specifications: Freq. resp. 10 to 50k cps ± 1 db at 10 watts output; power bandwidth, 25 to 20k cps; IIF music power output, 40 watts per channel; power output, rms, 25 watts per channel; harmonic distortion, unmeasurable at 25 watts from 25 to 10k cps;



IM distortion, unmeasurable at 25 watts; hum and noise, 80 db below 25 watt output; sensitivity, input for rated output—phono, 8 mv, tuner, 0.5 volts; damping factor infinite; output impedances, 4, 8, 16 ohms; inputs—2 phono, 1 tape head, 1 tape amp, 1 aux, 1 tuner; weight, 35 lbs. Dimensions, 16" wide, 5" high, 11" deep. Price, \$335.00. Accessories: Walnut Case, \$28.50. A5-20.

RADFORD

• **RC1-10 Transistor Integrated Amplifier.** Rated output (English) of 15 watts per channel. Distortion less than 0.1% over range 20 to 20k cps at 15 watts.

Specifications: Freq. resp. 20 to 20k cps ± 0 db at 15 watts output; power bandwidth, 20 to 20k cps; IIF music power output, 20



watts per channel; power output, rms, 15 watts per channel; harmonic distortion, 0.1% at 15 watts from 20 to 20k cps; IM distortion, 0.4% at 15 watts; sensitivity, input for rated output—phono 4 mv, tuner, 0.5 volts; damping factor 20; output impedances, 8, 16 ohms; inputs—2 phono, 1 tape amp, 2 aux, 1 tuner, weight, 17 lbs. Dimensions, 10 $\frac{1}{2}$ " wide, 3 $\frac{1}{2}$ " high, 14 $\frac{1}{2}$ " deep. Price, \$250.00. A5-16.

SCOTT

• **999D 70-Watt Stereo Amplifier.** Provides complete tape facilities, including tape-monitor and tape-head inputs. Powered center-channel output for driving center channel or extension speakers, plus a front panel earphone output with speaker switch.

Specifications: Freq. resp. 20 to 20k cps ± 1 db at 30 watts output; power bandwidth, 27 to 20k cps; IIF music power output, 40



watts per channel; power output, rms, 30 watts per channel; harmonic distortion, 0.8% rated output from 20 to 20k cps; hum and noise, -80 db below 1 watt output; sensitivity, input for rated output—phono, 3 mv, tuner, 0.5 volts; output impedances, 4, 8, 16 ohms; inputs—2 phono, 1 tape head, 1 tape amp, 1 aux, 1 tuner, weight, 28 lbs. Dimensions, 15 $\frac{1}{2}$ " wide, 5 $\frac{1}{4}$ " high, 13 $\frac{1}{2}$ " deep. Price: less than \$230.00. Accessories: Cases in wood and metal from \$14.00.

1. 233, 66-w ster amp less than \$190.00.

SHERWOOD

• **S-9000 150-watt Solid-State Integrated Stereo Amplifier.** Special circuit to prevent damage to transistor components due to shorted output or overheating. Uses silicon transistors mounted on glass-epoxy circuit boards throughout. Output circuits are transformerless.



Specifications: Freq. resp. 20 to 20k cps $\pm \frac{1}{2}$ db at 50 watts output; IIF music power output, 75 watts per channel; power output, rms, 50 watts per channel; harmonic distortion, 0.5% at 50 watts from 20 to 20k cps; IM distortion, 1% at 55 watts; hum and noise, 80 db below 50 watt output; sensitivity, input for rated output—phono, 1.2 mv, tuner, 0.25 volts; damping factor 20:1; power output; music power 75 watts per channel at 8 or 4 ohms (50 w, at 16 ohms), 55 watts at 8 or 4 ohms at 1% IM distortion (40W at 16 ohms); inputs—2 phono, 2 tape head, 2 tape mon., 2 aux, 2 tuner; weight, 24 lbs. Dimensions, 14" wide, 4" high, 12 $\frac{1}{2}$ " deep. Price, \$299.50. Accessories: Leatherette case, \$8.50. A5-18.

1. S-5500IV 80-w integ ster amp ... \$199.50
2. S-5000II 80-w integ ster amp ... \$124.50
3. S-1000III 80-w mono amp \$124.50
4. S-1000IIIR 80-w mono rack panel \$132.00

TRANSWAVE

• **TA 50.** Complete with cover. Front panel earphone output jack.

Specifications: Freq. resp. 10 to 40k cps ± 1 db at 1 watt output; power bandwidth, 30 to 20k cps; IIF music power output,



20 watts per channel; power output, rms, 15.2 watts per channel; harmonic distortion, less than 1% at rated output; IM distortion, 2% at rated output; hum and noise, 80 db below rated output; sensitivity, input for rated output—phono, 2.4 mv, tuner, 300 mv; damping factor 5; output impedances, 8, 16 ohms; inputs—2 phono, 1 tape head per channel, 1 tape amp per channel, 1 aux per channel, tapeout tuner; weight, 32 lbs. Dimensions, 14 $\frac{1}{2}$ " wide, 5 $\frac{1}{4}$ " high, 10 $\frac{1}{2}$ " deep. Price, \$119.50. A5-19.

A6. INTEGRATED AMPLIFIER KIT

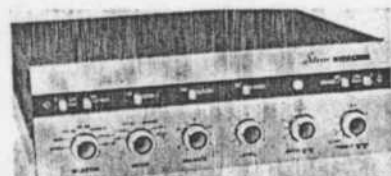
DYNAKIT

• **SCA-35 Stereo Control Amplifier.** Etched circuit boards, simple construction, provision for headphone or third speaker output on rear panel.

Specifications: Freq. resp. 20 to 20k cps ± 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 (± 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. A6-1.

EICO

• **ST-70 80-watt Stereo Amplifier Kit.** **Specifications:** Tube complement (3) ECC-83/12AX7, (2) 12DW7, (2) 6SN7GTB, (4) 7591, (1) 6Z34. Freq. Resp. 10 to 50k cps

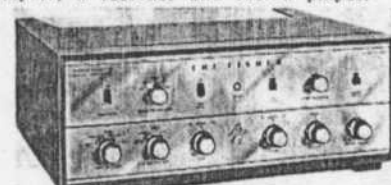


± 0.5 db at 2 watts output; power bandwidth, 15 to 90,000 cps; IIF music power output, 37.5 watts per channel; power output, rms, 35 watts per channel; harmonic distortion 1% at 30 watts from 25 to 20k cps; IM distortion, 1% at 70 watts; hum and noise 63 db below 1 watt output; sensitivity, input for rated output—phono 4 mV, tuner, 0.5 volts; damping factor 11; output impedances, 4, 8, 16 ohms; inputs—4 phono, 2 tape head, 2 tape amp, 4 aux. Dimensions, 15 $\frac{1}{2}$ " wide, 5 $\frac{1}{4}$ " high, 15" deep. Pri \$149.95 assembled, \$99.95 kit. A6-2.

1. ST-40 stereo amp kit \$79.

FISHER

• **KX-200 80-watt Stereo Amplifier.** Styled to match all other Fisher units. Power-deriv center-channel output with level control. Equalization switchable on both low-level inputs, enabling connection of two record players, a recorder and record player.



Specifications: Freq. resp. 20 to 20k cps ± 1 db at 2 watts output; power bandwidth, 25 to 20k cps; IIF music power output, 35 watts per channel; power output, rms, 30 watts per channel; harmonic distortion, 0.4% at 70 watts at 1kc; IM distortion, 0.8% at 70 watts; hum and noise, 90 db below 1 watt output; sensitivity, input for rated output—phono, 3.5 mv, tuner, 0.35 volt; damping factor 10; output impedances, 8, 16 ohms; inputs—2 phono, 2 tape head, 2 tape monitor, 4 aux, weight, 26 lbs. Dimensions, 15 $\frac{1}{2}$ " wide, 4 13/16" high, 12" deep. Price, \$169.50. A6-3.

1. KX-100 Strakit, 50-w ster amp .. \$129.

HEATHKIT

• **Model AA-21 70-Watt Stereo Amplifier Kit.** 26-transistor, 10-diode circuit. Encapsulated epoxy-covered circuit modules for easy assembly.



Specifications: Freq. resp. 13 to 25k cps ± 1 db at 70 watts output; power bandwidth, 13 to 25k cps; IIF music power output, 35 watts per channel; power output, rms, 30 watts per channel; harmonic distortion, 2% at 35 watts 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—phono, 3 mv, tuner, 0.5 volts; unity damping factor; output impedances, 4, 8, 16 ohms; inputs—1 phono, 1 tape head, 1 aux, 1 FM stereo; weight; lbs. Dimensions, 15 $\frac{1}{2}$ " wide, 5 $\frac{1}{4}$ " high, 11" deep. Price, \$139.95. A6-5.

1. AA-22 transistor 40-w ster amp kit \$99
2. AA-100 50-w ster amp kit \$84
3. AA-151 28-w ster amp kit \$59
4. AA-32 16-w ster amp kit \$39

KNIGHT KIT

• **KG85 54-Watt Stereo Amp Kit.** Transistor stereo amplifier kit.

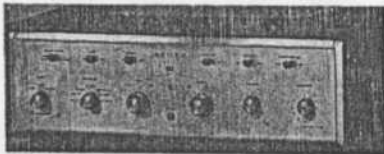


Specifications: Freq. resp. 20 to 20k cps \pm 1 db at 54 watts output; power bandwidth, 20 to 20k cps; IIF music power output, 27 watts per channel; power output, rms, 15 watts per channel; harmonic distortion, 0.75% at 54 watts from 20 to 20k cps; IM distortion, 0.75% at 54 watts; hum and noise, 77 db below 54 watt output; sensitivity, input for rated output—phono, 3 mv, tuner, 0.5 volts; output impedances, 4, 8, 16 ohms; inputs—1 phono, 1 tape head, 1 tuner, 2 aux; weight, 16 lbs. Dimensions, 13" wide, 2 3/4" high, 11" deep. Price, \$79.95. A6-6.

1. KC 870 70-w ster amp kit \$149.95
2. KC 320 32-w ster amp kit \$ 69.95

SCOTT

• **LK-72B, 80-Watt Stereo Amplifier Kit.** Flexibility, tape monitor facilities, derived and powered center channel outputs, tape head inputs, rumble and scratch filters.



Specifications: Freq. resp. 20 to 20k cps \pm 1 db at 35 watts output; power bandwidth, 20 to 20k cps; IIF music power output, 40 watts per channel; power output, rms, 35 watts per channel; harmonic distortion, 0.8% rated output from 20 to 20k cps; hum and noise, 80 db below 1 watt output; sensitivity, input for rated output—phono, 3 mv, tuner, 0.5 volts; output impedances, 4, 8, 16 ohms; inputs—2 phono, 1 tape head, 1 tape amp, 1 aux, 1 tuner; weight, 30 lbs. Dimensions, 15 1/2" wide, 5 1/2" high, 13 1/4" deep. Price, Less than \$150.00. A6-7.

1. LK-48B 48-w ster amp kit Less Than \$130.00

A7. TUNER — FM, AM, or AM-FM

ALTEC

• **314A Emperor Royale FM-MPX Tuner.** Designed for FM-multiplex network relay and rebroadcast work and for off-the-air stereo monitoring. Automatic mpx all-electronic switching.



Specifications: 12 tubes; cascode front end; horiz. bar tuning indicator; controls—tuning; switches—power, a.f.c. defeat, muting, mpx noise filter, stereo-mono; freq. resp. \pm 1 db from 20 to 20k cps; sensitivity 1.2 μ v for 20-db quieting with 300-ohm antenna; stereo separation 30 db; time division stereo circuit; dimensions: 15" wide, 5 1/4" high, 11 1/8" deep; weight, 12 1/4 lbs. Price \$359.00. A7-1.

BELL

• **2441-S1 AM-FM Stereo Tuner.** Twin motors for "Visual Tuning" of stations, automatic frequency control, automatic volume control.

Specifications: FM: 9 tubes; neutralized cascode front end; 3 i.f. stages; ratio detector; 1 audio stage; meter tuning indicator; output signal 1 volt; 2 outputs; controls—FM tuning, AM tuning, function selector;

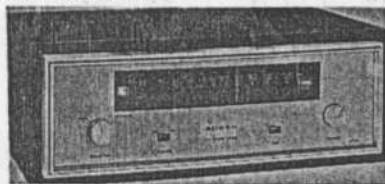


switches, on-off and a.f.c.; crossmodulation index 80 db; freq. resp. \pm 0.5 db from 20 to 20k cps; signal-to-noise ratio 60 db; IIF volume sensitivity 1.2 μ v; capture ratio 4 db; selectivity 6 db at 250 kc; IIF usable sensitivity 2 μ v; AM suppression 32 db; harmonic distortion (100% mod.) to 0.5%; stereo separation 28 db; switching stereo circuit; reactance a.f.c. circuit; drift less than +7 kc. AM: pentagrid mixer w/r.f. pre-amp circuit; 3-gang tuning capacitor; diode detector; 2 i.f. stages; meter tuning indicator; IIF volume sensitivity 3 μ v; freq. resp. \pm 3 db from 20 to 7k cps; Harm. dist. 1%. Price \$174.95. A7-2.

1. 2421-S1 \$144.95

BOGEN

• **PT60 Solid-State FM-Stereo Tuner.** Calibrated meter, a.f.c.



Specifications: FM: 15 transistors; grounded-grid front end; 4 i.f. stages; ratio detector; 2 audio stages; meter tuning indicator; output signal 0.75 volts; 2 outputs; controls—tuning; switches, selector, a.f.c. power; crossmodulation index 70 db; freq. resp. \pm 1 db from 20 to 15k cps; signal-to-noise ratio 60 db; IIF volume sensitivity 1 μ v; capture ratio 3 db; selectivity 40 db; IIF usable sensitivity 2.5 μ v; AM Suppression 55 db; harmonic distortion (100% mod.) 0.5%; stereo separation 35 db; time division stereo circuit; diode capacitor a.f.c. circuit; drift \pm 10 kc; dimensions: 15" wide, 4 1/2" high, 10" deep; weight, 11 1/2 lbs. Price, \$234.95. A7-3.

1. TP35 FM-stereo tuner \$139.95

DYNA

• **FM3/A Multiplex FM Tuner.** Automatic electronic switching from mono to stereo, center-of-channel tuning.



Specifications: 11 tubes, cath. cpd. front end; 4 i.f. stages; bal. bridge detector; 2 audio 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 15k cps; signal-to-noise ratio 67 db; IIF volume sensitivity 0 μ v; capture ratio 5 db; selectivity 54 db; IIF usable sensitivity 6 μ v (in stereo operation), 4 μ v mono; AM suppression 63 db; harmonic distortion (100% mod.) 0.5%; stereo separation 30 db; env. det. stereo circuit; drift 30 kc max.; dimensions: 13" wide, 4" high, 8" deep; weight, 13 lbs. Price \$169.95. A7-4.

FISHER

• **TFM-300 Transistor FM-Stereo Tuner.** Five short time-constant limiters and wide-band ratio detector. Step-type variable-threshold muting. Automatic stereo switching. Front or rear tape jacks.



Specifications: 4 tubes, 21 transistors, 8 diodes and 2 bridges; golden synchrode front end; 5 i.f. stages; ratio detector; 4 audio stages; meter tuning indicator; output signal 2.0 volts; 5 outputs; controls—tuning, level; switches—power, mode selector, muting; freq. resp. \pm 1 db from 20 to 15k cps; signal-to-noise ratio 70 db; IIF volume sensitivity below noise level; capture ratio 2.0 db; selectivity 55 db; IIF usable sensitivity 1,

8 μ v; AM suppression 60 db; harmonic distortion (100% mod.) 0.4%; stereo separation 40 db; time division stereo circuit; drift 0.01%; dimensions: 15 1/4" wide, 4 13/16" high, 11 1/2" deep; weight, 9 lbs. Price \$299.50. A7-5.

1. FM-100-B FM-MPX tuner \$249.50
2. FM-200-B FM-MPX tuner \$299.50
3. R-200 AM-FM-MPX tuner \$299.50
4. MF-300 remote control FM-MPX tuner \$329.50
5. FM-1000 network relay FM-MPX tuner \$429.50

GROMMES

• **107 AM-FM Tuner.** A solid-state tuner with flywheel tuning and "stereo sentry" lamp.

Specifications: FM: 17 transistors; 3-gang front end; 4 i.f. stages; ratio detector; 2 audio stages; meter tuning indicator; output signal 1 volt; tuning control; switches selector, a.f.c. power; crossmodulation index 75 db; freq. resp. \pm 0.5 db from 20 to 20k cps; signal-to-noise ratio 60 db; capture ratio 5



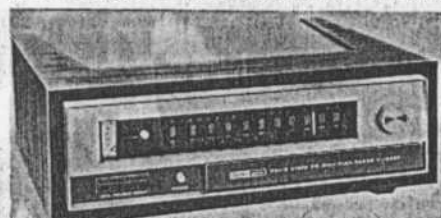
db; selectivity 30 db; IIF usable sensitivity 2 μ v; AM Suppression 50 db; harmonic distortion (100% mod.) 0.5%; stereo separation 30 db; switching stereo circuit; diode a.f.c. circuit; drift 10 kc; dimensions: 13 3/4" wide, 4 3/4" high, 11" deep; AM: superhet circuit; 3-gang tuning capacitor; diode detector; 1 i.f. stage; meter tuning indicator; IIF usable sensitivity 5 μ v; freq. resp. \pm 3 db from 20 to 6k cps; harm. dist. 1%. Price \$179.95. A7-6.

1. 106 AM-FM stereo tuner \$129.95

HARMAN-KARDON

• **F100T FM-Stereo Tuner.** Solid-state circuit automatically switches to stereo mode. Threshold control, adjustable muting, Darsonval tuning meter, 3-position range switch.

Specifications: 18 transistors, 8 diodes; quadrature front end; 4 i.f. stages; wide-band detector; 2 audio stages; meter tuning



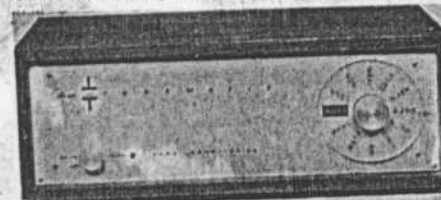
indicator; output signal 1.75 volts; 4 outputs; controls—stereo logic, muting, tuning; switches—a.f.c. defeat, local-suburban-distant, on/off; crossmod. ind. 85 db; IIF volume sensitivity 0 μ v; capture ratio 4 db; selectivity 3 db; IIF usable sensitivity 2.0 μ v; AM suppression 60 db; harmonic distortion (100% mod.) 0.1%; stereo separation 35 db; switching stereo circuit; 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. A7-7.

1. CW10 walnut enclosure \$19.95

KARG

• **SXT-1A Stereo Tunematic, Crystal-Controlled FM Tuner.**

Specifications: 8 tubes; crystal controlled front end; 4 i.f. stages; discrim. detector; 2 audio stages; output signal 3 volts; 2 outputs; controls—station selector, volume; switches on-off; freq. resp. \pm 2 db from 15 to



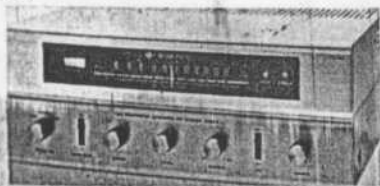
15k cps; signal-to-noise ratio 4 db; capture ratio 2 db; selectivity 33 db; IIF usable sensitivity 2.1 μ v; AM suppression 38 db; harmonic distortion (100% mod.) 0.2%; stereo separation 33 db; time div stereo

circuit; dimensions: 15 1/2" wide, 5" high, 5 1/2" deep; weight, 11 lbs. Price \$329.95. A7-8.

1. FMX-9 stereo FM tuner \$199.95
2. SCT-3A stereo FM tuner \$149.50

KENWOOD

• **TK-500 Transistor FM-Stereo Tuner.** Automatic protection circuit (U.S. Patent pending) automatically guards against widespread transistor damage due to short circuits. Indicator shows FM stereo broadcasts with automatic relay switching to proper mode.



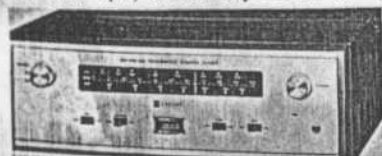
Specifications: 22 transistors; cascade front end; 5 i.f. stages; ratio detector; meter tuning indicator; output signal 2 volts; controls—muting, tuning, level; switches—noise filter, a.f.c. power; freq. resp. ± 1 db from 20 to 20k cps; signal-to-noise ratio 60 db; IHF volume sensitivity 1 uv; capture ratio 2 db; IHF usable sensitivity 1.8 uv; harmonic distortion (100% mod.) 0.4%; stereo separation 35 db; switching stereo circuit; variable capacitor a.f.c. circuit; drift 10 kc; dimensions: 15 1/4" wide, 5 1/4" high, 12 1/4" deep; weight, 14 lbs. Price \$199.95. A7-9.

1. KW-550 FM-stereo tuner \$169.95

KNIGHT

• **KN-265 Stereo FM-AM Tuner.** Solid-state circuit.

Specifications: FM: 17 transistors; 4 i.f. limiter stages; ratio detector; light tuning indicator; 4 outputs; freq. resp. ± 0.5 db from 20 to 25k cps; stereo separation 30 db;



dimensions: 14 1/4" wide, 4 1/2" high, 13 3/16" deep; weight, 14 lbs. AM: 3-gang tuning capacitor; tuned rf detector; freq. resp. ± 0.5 db from 20 to 20k cps; harm. dist. 1%. Price \$179.95. A7-10.

1. KN-255A solid-state FM-MPX-AM \$139.95
2. KN-245A FM-MPX-AM \$ 99.95

LEAK

• **Trough-Line 3, FM Tuner.**

Specifications: 7 tubes plus 2 diodes; cascade front end; 3 i.f. stages; Foster-Seeley detector; 1 audio stage; max closure tuning indicator; output signal 1 volt; 2 outputs; controls—tune, volume w/on-off; switches



a.f.c. local-distant; freq. resp. ± 1 db from 20 to 20k cps; IHF usable sensitivity 1.5 uv; reactance tube a.f.c. circuit; drift 3 kc; dimensions: 11 1/2" wide, 4 1/4" high, 8 1/4" deep; weight, 13 lbs. Price \$149.00. A7-11.

1. TW stereo mpx adaptor \$69.95

MARANTZ

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

Specifications: 22 tubes plus CRT; 6 i.f. stages; Foster-Seeley detector; CRT tuning indicator; controls—scope centering, tuning; switches—stereo test, automatic-mono, muting, power, panel dim; freq. resp. ± 1 db from 20 to 15k cps; signal-to-noise 70 db; 10 db volume sensitivity 0.9 uv; adj. channel rejection, 42 db; alt. channel rej. 150 db; IHF usable sensitivity 2 uv; 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 1/4" high, 15" deep; weight, 30 lbs. Price \$650.00. A7-12.

McINTOSH

• **MR71 FM-Stereo Tuner.**

Specifications: cascade front end; 5 i.f. stages; 2 audio stages; meter tuning indicator; output signal 2.5 volts; 2 outputs; controls—volume, auto freq. tuning; switches—mode, muting; freq. resp. ± 0.5 db from 20



to 20k cps; signal-to-noise ratio 70 db; capture ratio 1.5 db; IHF usable sensitivity 2.5 uv; harmonic distortion (100% mod.) 0.5%; stereo separation 30 db; peak detecting—self matrixing stereo circuit; dimensions: 16" wide, 5 7/16" high, 13" deep; weight, 27 lbs. Price \$399.00. A7-13.

1. MR67 FM-stereo tuner \$299.00

PILOT

• **T89 AM-FM-Stereo Tuner.**

Specifications: FM: 4 i.f. stages; meter tuning indicator; 2 outputs; controls—tuning, power, muting, selector; freq. resp. ± 1 db from 20 to 20k cps; capture ratio 1 db; selectivity 44 db; IHF usable sensitivity 1.8 uv; harmonic distortion (100% mod.) 0.2%; stereo separation 30 db; dimensions: 15 1/4" wide, 6" high, 13 1/4" deep; AM: meter tuning indicator; IHF usable sensitivity 3 uv; harm. dist. 1%. Price \$249.50. A7-14.

1. T-88 FM-ster tuner \$199.50
2. 280B FM-ster tuner \$ 99.50
3. Mark IV FM tuner \$ 59.95

QUAD

• **FM Tuner with Stereo Decoder.**

Specifications: 7 tubes and 15 transistors; permeability tuned front end; 3 i.f. stages; Foster-Seeley detector; twin neon tuning indicator; output signal 0.1 volt; 1 output;



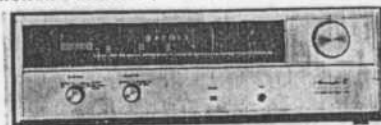
freq. resp. ± 1 db from 50 to 15k cps; AM suppression 35 db; harmonic distortion (100% mod.) 1%; stereo separation 35 db; switching stereo circuit; reactance tube a.f.c. circuit; drift 15 kc; dimensions: 10 1/2" wide, 3 1/4" high, 8" deep; weight, 9 lbs. Price \$94.00. A7-15.

1. AM11 tuner \$104.00

SCOTT

• **312 Transistor Stereo FM Tuner.** New approach to tuner circuit design—not just simple substitution of transistors for tubes.

Specifications: FM: 13 transistors; 4 nuvistor front end; 4 i.f. stages; ratio detector; 4 audio stages; meter tuning indicator; output signal 1-2 volts; 2 outputs; controls—function selector; switches—filter, on/off;



crossmodulation Index 80 db; freq. resp. ± 1 db from 50 to 15k cps; signal-to-noise ratio 65 db; capture ratio 4 db; selectivity 35 db; IHF usable sensitivity 2.2 uv; AM suppression 55 db; harmonic distortion (100% mod.) 0.8%; stereo separation 35 db; time switching stereo circuit; a.f.c. circuit; drift 0.02%; dimensions: 15 1/2" wide, 5 1/4" high, 13 1/4" deep; weight, 13 lbs. Price less than \$260.00. A7-16.

1. 350-D auto FM-ster tuner less than \$225.00
2. 333-B AM-FM ster tuner .. less than \$290.00
3. 4312 auto FM-ster tuner \$365.00

SHERWOOD

• **S-2100II FM-Stereo-AM Tuner.** Stereo indicator light, zero center tuning meter, FM



interchannel hush, flywheel tuning, expand slide rule tuning scale.

Specifications: FM: 12 tubes, 2 silicon nuvistors and 9 diodes; cascade front end; i.f. stages; ratio detector; zero-center tuning meter; output signal 1.2 volts; 2 output controls—tuning, hush, FM-stereo level switches selector, hush; freq. resp. ± 0.5 db from 20 to 20k cps; signal-to-noise ratio 4 db; capture ratio 2.4 db; selectivity 200 db at -3 db; IHF usable sensitivity 1.8 uv harmonic distortion (100% mod.) 0.3% stereo separation 40 db; phase locked os & bal. synch detector stereo circuit; drift 1 kc; dimensions: 14" wide, 4" high, 10 1/2" deep; weight, 121 lbs. AM: superhet circuit 3-gang tuning capacitor; diode detector; i.f. stages; meter tuning indicator; control AM level, tuning; switches selector, AM wide—narrow; usable sensitivity 2 uv $\pm 60\%$ mod. for 0.5v out, gdb s/n; freq. resp. ± 6 db from 20 to 7500 cps; Price \$209.50. A7-17.

1. S-3000V FM-stereo tuner \$165.00
2. S-3000III FM mono tuner \$120.50
3. S-3000IIIR rack mounted (5 1/4" x 19") \$128.00
4. S-2000IV AM-FM mono tuner \$170.50
5. S-2000IV R5 (3 1/2" high x 19") .. \$178.00

TRANSWAVE

• **TW 102 FM Multiplex Tuner.** Three nuvistor front end. Extruded aluminum panel with machined control knobs.

Specifications: 10 tubes and transistors; grounded grid front end; 4 i.f. stages; ratio



detector; output signal 1.5 volts; 2 outputs; controls tuning, on/off; switches FM/FM Multiplex noise filter; freq. resp. ± 1 db from 20 to 20k cps; signal-to-noise ratio 60 db; capture ratio 4 db; IHF usable sensitivity 3.2 uv; stereo separation 30 db; switching stereo circuit; diode a.f.c. circuit; drift 20 kc; dimensions: 14 1/4" wide, 5 1/4" high, 10 1/2" deep; weight, 23 lbs. Price \$110.50. A7-18.

A8. TUNER KIT — FM, AM or AM-FM

DYNAKIT

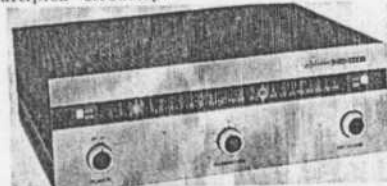
• **FM-3.** Extremely simple operation and automatic indication when tuned to a stereo broadcast. Exact center of channel tuning.

Specifications: 11 tubes; cathode coupled front end; 4 i.f. stages; wide band discriminator detector; 2 audio stages; EMM801 tuning indicator; output signal 2 volts; 2 outputs; controls—volume, tuning; switches—power; freq. resp. ± 0.5 db from 30 to 15k cps; signal-to-noise ratio 67 db; IHF volume sensitivity 0 uv; capture ratio 5 db; selectivity 54 db; IHF usable sensitivity 4 uv; AM suppression 63 db; harmonic distortion (100% mod.) 0.5%; stereo separation 30 db; envelope detection time switching stereo circuit; drift 30 kc; dimensions: 13" wide, 4" high, 8" deep; weight, 12 lbs. Fully automatic mono/stereo switching with indicating "stereocenter." Price, \$109.95. (Assembled, \$169.95). A8-1.

1. FM-1 mono tuner kit \$79.95

EICO

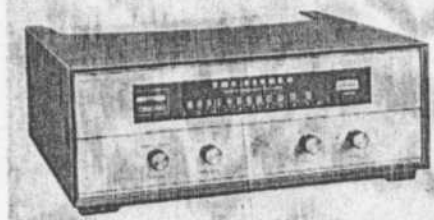
• **ST-97 FM-Stereo Tuner Kit.** Exclusive multiplex circuitry.



Specifications: 13 tubes; r.f. and self-oscillating mixer; 4 i.f. stages; ratio detector; 1 audio stage; eye tuning indicator; output signal 0.7 volts; 2 outputs; controls—tuning, separation; switches on/off, stereo/mono, afc on/off; freq. resp. ± 1 db from 20 to 1500 cps; signal-to-noise ratio 55 db; IHF usable sensitivity 3 uv; harmonic distortion (100% mod.) 0.5%; stereo separation 30 db; matrix stereo circuit; drift 20 ke; dimensions: 15 $\frac{1}{8}$ " wide, 5 $\frac{1}{4}$ " high, 11 $\frac{3}{8}$ " deep; weight, 17 lbs. Stereo indicator; pre-wired and aligned front and l.f. strip. Price \$99.55. (Assembled, \$149.95). AS-2.

FISHER

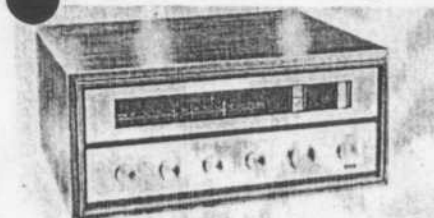
• **KM-60 StrataKit FM-Stereo Tuner.** "Stereo Beam" indicates stereo programs. Critical stages are prealigned at the factory. Final touch-up is accomplished with built-in tuning meter. Level controls and an input attenuator.



Specifications: 11 tubes; Golden 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, power, stereo filter; freq. resp. ± 1 db from 20 to 15k cps; 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 uv; AM Suppression better than 50 db; harmonic distortion (100% mod.) 0.5%; stereo separation 35 db; time-division stereo circuit; drift 0.01%; dimensions: 15 $\frac{1}{8}$ " wide, 4 $\frac{1}{8}$ " high, 13" deep; weight, 18 lbs. Price \$169.50. AS-3.

HARMAN-KARDON

• **Citation IIX Professional FM Stereo Tuner Kit.** Features: all critical and complex stages (if and MX) pre-built and aligned at the factory. Two meters aid in final alignment.



Specifications: 7 tubes, 9 diodes; nuvistor front end; 3 i.f. stages; Foster-Seely detector; 2 audio stages; level and balance meter tuning indicators; output signal 2 volts; 3 outputs; controls afc, loudness, tuning; switches on/off, range, function, muting; crossmod. ind.; freq. resp. ± 0.5 db from 1 to 52k cps; signal-to-noise ratio 75 db; IHF volume sensitivity 0 uv; capture ratio 3.5 db; selectivity 65 db; IHF usable sensitivity .65 uv; AM Suppression 70 db; harmonic distortion (100% mod.) 0.1%; stereo separation 30 db; switching stereo circuit; solid-state a.f.c. circuit; drift ± 5 ke; dimensions: 17 $\frac{1}{2}$ " wide, 6" high, 12 $\frac{1}{4}$ " deep; weight, 35 lbs. Price, \$230.00. (Assembled, \$325.00). S-4.

HEATHKIT

Model AJ-13 Solid-State AM-FM Stereo Tuner. Stereo phase control for maximum separation, minimum distortion. 25 transistor, diode circuit. Automatically switches to stereo. Filtered stereo tape recorder outputs.

Specifications: FM: 25 transistors; 4 i.f. stages; ratio detector; meter tuning indicator; output signal, 0.5 volts; controls:



balance, L & R output level, stereo separation, FM stereo phase, FM meter zero, 38-ke oscillator adj.; switches: noise filter, SCA filter, AM-FM selector, local-distance, stereo defeat, afc defeat, on-off; cross-modulation index, 60 db; freq. resp. ± 3 db from 20 to 15k cps; IHF volume sensitivity 1 uv; capture ratio 7.5 db; IHF usable sensitivity 3.5 uv; AM Suppression 30 db; harmonic distortion (100% mod.) less than 1%; stereo separation 40 db; switching stereo circuit; diode a.f.c. circuit; dimensions: 15 $\frac{1}{8}$ " wide, 5 $\frac{1}{4}$ " high, 14 $\frac{1}{4}$ " deep; weight, 14 $\frac{1}{2}$ lbs. AM: Superhet circuit; 3-gang tuning capacitor; diode detector; 1 i.f. stage; meter tuning indicator; controls—output level, meter zero; IHF usable sensitivity 8 uv; IHF volume sensitivity 3 uv; Harm. dist. less than 2%. Price, \$119.95. AS-5.

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| 1. AJ-33 transistor AM-FM ster tuner | \$99.95 |
| 2. AJ-41 AM-FM-ster tuner | \$119.95 |
| 3. AJ-13 FM-ster tuner | 49.95 |
| 4. AJ-53 AM tuner | 27.95 |
| 5. AJ-63 FM tuner | 39.95 |

KNIGHT-KIT

• **K6-765 AM-FM Transistor Stereo Tuner Kit.**

Specifications: FM: 14 transistors, 18 diodes; 3 i.f. stages; ratio detector; meter tuning indicator; output signal, 1 volt; 2 sets outputs; controls—selector, tuning; switches AFC, power; freq. resp. ± 1 db from 20 to 20k cps; capture ratio 9 db; IHF usable



sensitivity 2 uv; AM Suppression 30 db; harmonic distortion (100% mod.) 1%; stereo separation 30 db; dimensions: 13" wide, 2 $\frac{3}{4}$ " high, 11" deep; weight, 14 lbs. AM: 2 i.f. stages; meter tuning indicator; controls selector; IHF usable sensitivity 3 uv; harm. dist. 1%. Flywheel ballbearing tuning, stereo indicator light. Price, \$99.95. (Assembled, \$149.95). AS-6.

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| 1. K6-50 AM-FM ster tuner | \$69.95 |
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SCOTT

• **LT-110B FM Multiplex Stereo Tuner Kit.** New styling, refined performance and features. All critical sections are wired and pre-tested at the factory.

Specifications: cascode front end; 3 i.f. stages; ratio detector; 2 audio stages; meter tuning indicator; output signal 1-2 volts; 2 outputs; controls—sonic monitor selector; switches—stereo filter, AGC; crossmodulation index 80 db; freq. resp. ± 1 db from 50



to 15k cps; signal-to-noise ratio 60 db; capture ratio 6 db; selectivity 35 db; IHF usable sensitivity 2.2 uv; AM Suppression 55 db; harmonic distortion (100% mod.) 0.8%; stereo separation 30 db; switching stereo circuit; drift 0.02 ke; dimensions: 15 $\frac{1}{8}$ " wide, 5 $\frac{1}{4}$ " high, 13 $\frac{1}{4}$ " deep; weight, 16 lbs. Price, less than \$140.00. AS-7.

A9. TUNER-AMPLIFIER (RECEIVER)

ALTEC

• **708A Astro, AM-FM Stereo Tuner-Amplifier.** Power transistors in the output stage to pro-



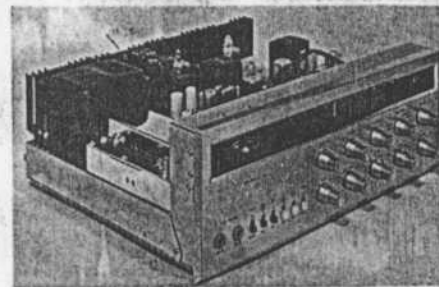
vide transient response as well as 55-watts output with low heat generation.

Specifications: FM: Total of 18 tubes, 12 transistors, 5 diodes; cascode front end; eye tube tuning indicator; IHF usable sensitivity 2 uv; stereo separation 30 db; time division stereo circuit. AM: eye tube tuning indicator; sensitivity 2.0 uv. AMPLIFIER: Freq. resp. 20 to 20k cps ± 1 db; IHF music power output 27.5 watts per channel; harmonic distortion, 1% at 20 watts from 25 to 10k cps; sensitivity—phono, 4 mv, aux. 450 mv; damping factor 10; output impedances 4, 8, 16 ohms; dimensions, 15" wide, 5 $\frac{1}{8}$ " high, 14 $\frac{1}{4}$ " deep; weight, 28 lbs. Price \$597.00. A9-1.

BELL

• **Imperial 1000 FM-Stereo Tuner-Amplifier.**

Specifications: FM: 3 nuvistors, 13 transistors; neutralized super-cascode front end; 4 i.f. stages; ratio detector; 7 audio stages; meter tuning indicator; 10 controls—contour, volume, balance, function, tuning, bass & treble each channel, muting; switches, 7, lo-



cal-stereo, afc, low flt, distant Filter, high Filter, monitor source; crossmodulation index 80 db; freq. resp. ± 0.25 db from 20 to 53k cps; signal-to-noise ratio 65 db; IHF volume sensitivity 0.8 uv; capture ratio 2 db; IHF usable sensitivity 1.6 uv; AM suppression 40 db; harmonic distortion (100% mod.) 0.5%; stereo separation 30 db; balanced demodulator stereo circuit; reactance diode a.f.c. circuit; dimensions: 17 $\frac{1}{2}$ " wide, 6-3/16" high, 16 $\frac{1}{2}$ " deep; weight, 45 lb. AMPLIFIER: Freq. resp. 9 to 85k cps ± 3 db at 1 watt output; IHF music power output 40 watts per channel; harmonic distortion, 0.25% at 40 watts at 1000 cps; IM distortion, -0.7% at 40 watts; hum and noise, 80 db below rated output; sensitivity, input for rated output-phonos 1.5 mv, aux. 0.5 volts; output impedances 4, 8, 16 ohms; dimensions, 17 $\frac{1}{2}$ " wide, 6-3/16" high, 16 $\frac{1}{2}$ " deep; weight, 45 lbs. Price \$529.95. A9-2.

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| 1. Imperial 900 FM-stereo tuner-Amp, 80-w | \$469.95 |
| 2. 2445-S2 AM-FM-stereo tuner-Amp, 44-w | \$319.95 |
| 3. 2425-S2 AM-FM stereo tuner-Amp, 30-w | \$269.90 |

BOGEN

• **RT1000 Solid-State FM-Stereo and FM-AM Receiver.** Tuning meter, push-pull knob control, light flywheel tuning, automatic FM-stereo (lights indicator when transmission changes from mono to stereo).



Specifications: FM: 13 transistors; grounded-grid front end; 4 i.f. stages; ratio detector; meter tuning indicator; controls: tuning, volume, balance, bass, treble, loudness, high and low filters; switches: selector, afc, mode, output, reverse, power, phase, tape mon; crossmodulation index 70 db; freq. resp. ± 1 db from 20 to 15k cps; signal-to-noise ratio 60 db; IHF volume sensitivity 1 uv; capture ratio 3 db; selectivity 40 db; IHF usable sensitivity 2.5 uv; AM suppression 55 db; harmonic distortion 0.5%; stereo separation 35 db; time division stereo circuit; capacitor diode a.f.c. circuit; drift ± 10 ke. AM: 4 transistors; super-het circuit; 3-gang tuning capacitor; 2 i.f. stages; meter tuning indicator; IHF usable sensitivity 6 uv; IHF volume sensitivity 4 uv; freq. resp. ± 2 db from 20 to 6k cps; harm. dist. 1%. AMPLIFIER: Freq. resp. 12 to 85k cps ± 1 db at 1 watt output; power bandwidth, 20 to 20k cps; IHF music power output 50 watts per channel; power output, rms, 40 watts per channel; harmonic

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distortion, 0.7% at 40 watts from 20 to 18k cps; IM distortion 0.6% at 40 watts; hum and noise, 85 db below 40-watt output; sensitivity, input for rated output—phono, 25 mv, aux, 0.25 volts; damping factor 40; output impedances 4, 8, 16 ohms; inputs—2 phono, 2 tape head, 2 tape amp, 2 aux, dimensions, 16 3/16" wide, 4 1/4" high, 15 13/16" deep; weight, 40 lb. Price \$549.95, A9-3.

1. RP60 FM-AM & FM-stereo receiver \$314.95
2. RPF60 FM-stereo receiver \$279.95
3. RP230 FM-AM & FM-stereo receiver \$249.95
4. RP100-BM mono receiver \$186.60

ERIC

Palomar SR-500.

Specifications: FM: 7 transistors; quadrature front end; 4 i.f. stages; ratio detector; 1 audio stage; meter tuning indicator; output

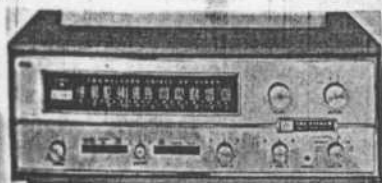


signal 0.125 volts; 3 outputs; controls, fly-wheel tuning; switches, a.f.c. local-distance; freq. resp. ± 1 db from 15 to 53k cps; IHF usable sensitivity 2.5 uv; harmonic distortion (100% mod) 1.0%; stereo separation 30 db; time division stereo circuit; silicon diode a.f.c. circuit. AMPLIFIER: Freq. resp. 10 to 30k cps ± 1 db at 10 watts output; power output, rms, 25 watts per channel; harmonic distortion, 1.0% at 10 watts from 10 to 30k cps; IM distortion 1% at 10 watts; hum and noise, 80 db below 25 watt output; sensitivity, input for rated output—phono, 2 mv, aux, 0.125 volts; output impedances 4, 8, 16 ohms; inputs—2 phono, 2 tape head, 2 tape amp, 4 aux, dimensions, 10" wide, 4 1/4" high, 13" deep; weight, 21 lbs. Price \$399.00, A9-4.

1. 5763 AM-FM receiver 15-w rms per ch \$239.95

FISHER

6007 Tuner-Amplifier. The tuner employs 5 wide-band stages and five short time-constant limiters followed by a detector with a variable-threshold muting. The multiplex section, indicates and automatically switches to the correct mode of operation. Speaker selector switch enables the selection of one or more pairs of speakers, or headphone-only operation.



Specifications: FM: 4 tubes, 48 transistors, 15 diodes, 2 bridges; synchrode front end; 5 i.f. stages; ratio detector; meter tuning; controls: muting, threshold (tuner sec. only); switches: muting, mode; signal-to-noise ratio 70 db; IHF volume sensitivity below noise level; capture ratio 2.0 db; selectivity 55 db; IHF usable sensitivity 1.8 uv; AM suppression better than 60 db; harmonic distortion (100% mod.) 0.4%; stereo separation 40 db; time switching stereo circuit; drift 0.01%. AMPLIFIER: Freq. resp. 20 to 25k cps ± 1 db at 2 watts output; power bandwidth, 12 to 35k cps; IHF music power output 55 watts per channel; power output, rms, 45 watts per channel; harmonic distortion, 0.5% at 90 rms watt output; hum and noise, 80 db below 90 rms watt output; sensitivity, input for rated output—2.8 mv, aux, 0.21 volts; damping factor 10; output impedances 4 to 16 ohms; inputs—1 phono 2 tape head, 2 tape monitor aux; dimensions, 16 1/2" wide, 5 1/4" high, 11 1/2" deep; weight, 31 lbs. Price \$595.00. Accessories Model 100-0 Walnut Cabinet \$24.95, A9-5.

1. 800-C 75-w AM-FM mpX receiver \$449.50
2. 500-C 75-w FM-mpX receiver \$389.50
3. 400 65-w FM-mpX receiver \$329.50

GROMMES

6003 30-Watt AM-FM Stereo Receiver. "Stereo Sentry," simplified controls.

Specifications: FM: 17 tubes, 11 diodes grounded-grid 2-gang front end; 3 i.f. stages; ratio detector; eye tube tuning indicator; controls—tuning, selector, loudness, balance, bass, treble; switches—stereo, contour, a.f.c. power; crossmodulation index 70 db; freq. resp. ± 0.5 db from 20 to 20k cps; signal-to-noise ratio 55 db; capture ratio 6 db; selectivity 30 db; IHF usable sensitivity 4 uv; AM suppression 50 db; harmonic distortion (100% mod.) 0.7%; stereo separation 30 db; switching stereo circuit; reactance tube a.f.c. circuit; drift 15 ke; 14" wide; 5 1/4" high, 13 1/4" deep; AM: Superhet circuit; 2-gang tuning capacitor; 1 i.f. stage; eye tube tuning indicator; IHF usable sensitivity 10 uv; ± 3 db from 20 to 6.5k cps; harm. dist. 1%. AMPLIFIER: Freq. resp. 20 to 20k cps ± 1 db at 1 watt output; power bandwidth, 30 to 15k cps; IHF music power output 15 watts per channel; power output, rms, 12 watts per channel; harmonic distortion, 1% at 10 watts from 40 to 15k cps; IM distortion 2% at 15 watts; hum and noise, 72 db below 15 watt output; sensitivity, input for rated output—phono, 3 mv, aux 0.25 volts; damping factor 4.5; output impedances 4, 8, 16 ohms; inputs—1 phono, 1 tape head, 1 aux. Price \$249.95, walnut cabinet \$24.95, A9-6.

KENWOOD

Model KT-10 Transistor AM-FM Stereo Receiver. Automatic protection circuit guards against transistor damage due to short circuits at output; automatic relay switching to proper mode shows reception of FM stereo; direct tape-monitor system; front-panel stereo headset jack; SCA noise eliminator; illuminated meter.



Specifications: FM: 42 transistors; 4 i.f. stages; ratio detector; automatic relay tuning indicator; freq. resp. ± 1 db from 20 to 20k cps; signal-to-noise ratio 72 db; IHF volume sensitivity 1 uv; selectivity 2 db; IHF usable sensitivity 2.5 uv; harmonic distortion (100% mod.) 1%; stereo separation 35 db; switching stereo circuit; variable capacitor a.f.c.; drift 10 ke; meter tuning indicator; IHF usable sensitivity 10 uv; IHF volume sensitivity 26 uv; freq. resp. ± 3 db from 50 to 4k cps; harm. dist. 1.5%. AMPLIFIER: Freq. resp. 20 to 20k cps ± 1 db at 1 watt output; power bandwidth, 20 to 18k; IHF music power output 20 watts per channel; power output, rms, 16 watts per channel; harmonic distortion, 1% at 16 watts from 20 to 18k; hum and noise, 72 db below 16 watt output; sensitivity, input for rated output—phono, 1.5 mv, aux, 100 volts; inputs—1 phono, 1 tape head, 1 tape amp, 1 aux; dimensions 17 1/2" wide, 5 1/4" high, 14" deep; weight, 24 lbs. Price \$209.95, A9-8.

1. KW-55 AM-FM-stereo receiver ... \$239.95
2. KW-33 AM-FM-stereo receiver ... \$189.95

KNIGHT

KN-370 70-Watt Receiver. Automatic stereo switching.

Specifications: magic-eye tuning indicator; freq. resp. 20 to 20k cps; IHF volume sensitivity 2 1/2 uv; harmonic distortion (100% mod.) 0.6%; stereo separation 30 db; dimensions 16" wide, 5 1/4" high, 15" deep; ship



weight, 38 lbs.; magic-eye tuning indicator; IHF volume sensitivity 75 uv. AMPLIFIER: Freq. resp. 20 to 20k cps at rated watts output; IHF music power output 35 watts per channel; power output, rms, 32 watts per channel; harmonic distortion, 0.7% output impedances 4, 8, 16 ohms; inputs—2 phono, 1 tape head, 1 tape amp, 1 aux. Price \$279.95, A9-9.

1. KN-330 30-w stereo receiver \$159.95
2. KN-345 44-w stereo receiver \$199.95

LAFAYETTE

LA-226C 40-Watt FM-AM Stereo Receiver. "Pilot Monitor" stereo indicator shows when

set is tuned to FM-stereo broadcast. Two 3-gang tuning capacitors, front panel stereo headphone jack.

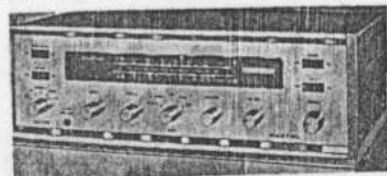


Specifications: FM: 20 tubes, 7 diodes; ratio detector; EM 84 tuning indicator; freq. resp. ± 0.5 db from 20 to 20k cps; IHF usable sensitivity 3.5 uv; harmonic distortion (100% mod.) 0.7%; stereo separation 30 db; matrix stereo circuit; reactance a.f.c. circuit; dimensions: 17 1/2" wide, 5 1/4" high, 15" deep; weight, 45 lbs. 3-gang tuning capacitor; EM 84 tuning indicator; controls—concentric bass, treble, volume balance, dimension, hum, balance, FM noise filter, rumble filter, speaker headphone, phase loudness, a.f.c. on/off, spkr. impedance. AMPLIFIER: Freq. resp. 20 to 20k cps ± 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 20k cps; hum and noise, 65 db below 1 watt output; sensitivity, input for rated output—phono, 2 mv, aux, 0.1 volts; damping factor output impedances 8, 16 ohms; inputs—4 phono, 2 tape head. Price \$189.95, A9-10.

1. LA-250 24-w AM-FM stereo receiver \$139.50
2. LA-215 AM-FM stereo receiver ... \$109.50

MARTEL

Model 200 FM-AM-Multiplex Tuner-Amplifier. RIAA compensated phono input for magnetic, crystal, and ceramic cartridges.



Specifications: FM: 17 tubes, 7 diodes; 3 i.f. stages; Foster-Seely detector; controls—bass, treble, selector, mode, balance, volume, tuning switches—power, a.f.c., tape monitor, spkr sensitivity 1.5 uv for 20 db quieting; stereo separation 30 db; matrix stereo circuit; dimensions: 17 1/2" wide, 5" high, 10 1/2" deep; weight 24.3 lbs. AM: superhet circuit; 1 i.f. stage; tube tuning indicator. AMPLIFIER: Freq. resp. 20 to 20k cps ± 2 db; IHF music power output 15 watts per channel; output impedances 8, 16 ohms; inputs—4 phono, tape amp, 2 aux. Price \$179.95, A9-11.

1. "100" AM-FM-multiplex tuner-amp \$139.
2. "61" AM-FM-multiplex tuner-amp \$109.

PILOT

R1000 110-Watt FM-AM-Stereo Receiver. Solid state stereo amplifier.

Specifications: FM: 4 i.f. stages; meter tuning indicator, controls—muting, bass control, tape mon., volume, balance, bass, treble, selector, mode, speaker control, tuning; switches—scratch, rumble, phono selector; freq. resp. 1 db from 20 to 20k cps; capture ratio 10 db; selectivity 44 db; IHF usable sensitivity 3 uv; harmonic distortion (100% mod.) 0.2%; stereo separation 30 db; dimension 17 15/16" wide, 7 1/4" high, 15" deep. A meter tuning indicator; IHF usable sensitivity 3 uv; harm. dist. 1%. AMPLIFIER: Freq. resp. 10 to 30k cps ± 2 db; IHF music power output 55 watts per channel; harmonic distortion, 1%; hum and noise, 80 db below rated output; sensitivity, input for rated output—phono, 12 + 3 mv; inputs—2 phono, tape head, 1 tape amp. Price \$499.50. Wall enclosure \$34.50, A9-12.

1. R707 AM-FM-stereo receiver solid-state amp \$349
2. R303 AM-FM-stereo receiver \$289
3. 746 AM-FM-stereo receiver \$399
4. 602 MA/1 FM-stereo receiver \$249
5. 610 FM-stereo receiver \$199

RCA

MX-7 Stereo Receiver. Separate tuning controls on AM and FM sections permit reception of two programs at the same time, with the channels fed to a remote speaker.

Specifications: FM: nuvistor front end i.f. stages; Foster-Seely detector; tube tuning indicator; controls—FM tuning, AM tuning

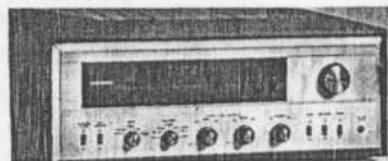
volume, balance, bass, treble; switches—MX filter, a/c, power, mono-stereo, selector, loudness, sensitivity, tape monitor, remote volume/balance; usable sensitivity 2.5 uv for 20-db quieting; AM suppression 55 db. **AMPLIFIER:** Freq. resp. 15 to 30k cps ± 1 db; IHF music power output 20 watts per channel;



power output, rms, 15 watts per channel; harmonic distortion, less than 1% at 30 watts; hum and noise, 60 db below rated output; sensitivity, input for rated output—phono, 2.5 mv, aux. 0.5 volts; output impedances 4, 8, 16 ohms; inputs—2 phono, 2 tape amp, 2 aux, 2 tape monitor; dimensions: 17 $\frac{1}{2}$ " wide, 6 $\frac{1}{4}$ " high, 12 $\frac{1}{2}$ " deep; weight 35 lbs. Price \$349.50. Accessories—walnut cabinet \$26.75; remote control, \$26.75. A9-13.

SCOTT

• **345 64-Watt FM-Stereo Tuner-Amplifier.** Incorporates a new low-impedance symmetrical drive circuit. Series-gate time-switching multiplex. Pulse suppression-limiting for improved suppression impulses from sources like automobile ignition and apartment house elevators.



Specifications: FM: 15 tubes; cascade front end; 3 i.f. stages; ratio detector; 2 audio stages; eye tube tuning indicator; controls—input & stereo selector, bass & treble, loudness, speakers, scratch; switches—tape monitor, compensator; crossmodulation index 80 db; freq. resp. ± 1 db from 50 to 15k cps; signal-to-noise ratio 60 db; capture ratio 6 db; selectivity 35 db; IHF usable sensitivity 2.2 uv; AM suppression 55 db; harmonic distortion (100% mod.) 0.8%; stereo separation 30 db; time switching stereo circuit; drift 0.02%; dimensions: 17 $\frac{1}{2}$ " wide, 6 $\frac{1}{4}$ " high, 13 $\frac{1}{4}$ " deep; **AMPLIFIER:** Freq. resp. 20 to 20k cps ± 1 db at 28 watts output; power bandwidth, 32 to 20k cps; IHF music power output 32 watts per channel; power output, rms, 28 watts per channel; harmonic distortion, 0.8% at rated output from 20 to 20k cps; hum and noise 80 db below 1 watt output; sensitivity, input for rated output—phono, 3 mv, aux. 0.5 volts; output impedances 4, 8, 16 ohms; inputs—2 phono, 1 tape head, 1 tape amp, 1 aux, 1 (other); dimensions, 17 $\frac{1}{2}$ " wide, 6 $\frac{1}{4}$ " high, 16 $\frac{1}{4}$ " deep; weight 34 lbs. Price, less than \$365.00. Accessories: Cases in wood and metal from \$17.95. A9-14.

1. 340-B 70-w FM-stereo tuner-amp less than \$400.00
2. 380 70-w AM-FM stereo tuner-amp less than \$470.00

SHERWOOD

• **S-8000IV 80-Watt FM-Stereo Receiver.** All the electronics for a complete home music system are contained on a single compact chassis.



Specifications: FM: 21 tubes, 3 silicon rectifiers, 13 diodes; cascade rf amp. front end; 4 i.f. stages; ratio detector; 2 audio stages; zero-center tuning-meter; output signal 1.5 volts; 2 outputs; controls—tuning, loudness, phono gain, bass, treble, stereo bal hush; switches—power, selector, function, tape mon, phase, lo filter, hi filter, loudness contour, hush; freq. resp. $\pm \frac{1}{2}$ db from 20 to 20k cps; signal-to-noise ratio 55 db; capture ratio 2.4 db; IHF usable sensitivity 1.8 uv; harmonic distortion (100% mod.) $\frac{1}{2}$ %; stereo separation 40 db; phase loaded osc. & bal. synch. detector stereo circuit; drift 15 kc; dimensions: 16 $\frac{1}{4}$ " wide, 4" high, 14" deep; weight 34 lbs. **AMPLIFIER:** Freq. resp. 20 to 20k

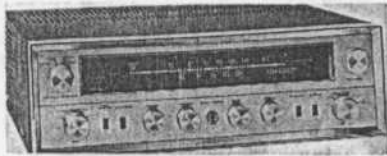
cps $\pm \frac{1}{2}$ db at 36 watts output; IHF music power output 40 watts per channel; power output, rms, 36 watts per channel; harmonic distortion, 0.5% at 36 watts from 20 to 20k cps; IM distortion 1.5% at 36 watts; hum and noise, 75 db below 1 watts output; sensitivity, input for rated output—phono, 1.2 mv, aux. 0.3 volts; damping factor 5:1; output impedances 4, 8, 16 ohms; inputs—2 phono, 2 tape head, 2 tape monitor, 2 aux, 1 AM; dimensions 16 $\frac{1}{4}$ " wide, 4" high, 14" deep; weight, 34 lbs. Price \$329.50. Accessories—walnut-tone leatherette case \$9.50, walnut wood cabinet \$29.50. A9-15.

1. S-770011 80-w AM-FM-stereo receiver \$374.50

TRANSWAVE

• **TW75.** An FM multiplex stereo receiver. Speaker director switch enables extension speakers to be used with system.

Specifications: FM: 8 tube, grounded-grid front end; 4 i.f. stages; ratio detector; 6 audio stages; bar eye tuning indicator; controls—bass, treble, volume, balance, function, mode, tape monitor; switches—loudness, scratch, rumble; freq. resp. ± 1 db from 20 to 20k cps; signal-to-noise ratio 75 db; IHF usable sensitivity 3.5 uv; harmonic distortion (100% mod.) 1%; stereo separation 30 db; modified matrix stereo circuit; silicon diode a.f.c. circuit; drift 25 kc; dimensions: 14 $\frac{1}{2}$ " wide, 5 $\frac{1}{4}$ " high, 12 $\frac{1}{2}$ " deep; weight, 40 lbs.



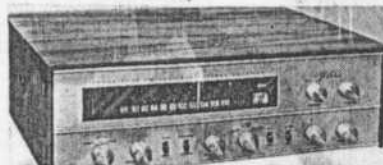
AMPLIFIER: Freq. resp. 10 to 40k cps ± 1 db at 1 watt output; power output 35 watts per channel; power output, rms, 25 watts per channel; harmonic distortion, better than 1% at rated outputs; IM distortion 2% at rated output; hum and noise, 80 db below rated output; sensitivity, input for rated output—phono, 3 mv, aux. 120 mv; damping factor 5; output impedances 4, 8, 16 ohms; inputs—2 phono, 2 tape amp, 2 aux, 2 tape out; dimensions, 14 $\frac{1}{2}$ " wide, 5 $\frac{1}{4}$ " high, 12 $\frac{1}{2}$ " deep; weight, 40 lbs. Price \$249.50. A9-16.

1. TW60 AM-FM-stereo receiver \$219.50

A10. TUNER-AMPLIFIER KIT (RECEIVER)

EICO

• **Model 3566 Solid-State FM-MPX Stereo Tuner-Amplifier.** Protected against open or shorted speaker leads. Automatic switching to stereo. Adjustable threshold muting a/c. M-derived low-pass SCA filter. Sharp cut-off, 15kc low-pass filter.



Specifications: FM: 42 transistors; 3 transistor front end; 4 i.f. stages; ratio detector; meter tuning indicator; controls—tuning, vol/louss, balance, treble, bass; switches mono-stereo, input sel., tape mon, muting-off, aft-off, pwr on-off; freq. resp. ± 1 db from 20 to 15k cps; signal-to-noise ratio 60 db; IHF usable sensitivity 2.0 uv; AM Suppression 40 db; harmonic distortion (100% mod.) 0.5%; stereo separation 38 db; time-switching stereo circuit. **AMPLIFIER:** Freq. resp. 10 to 60k cps ± 1 db at 10 watts output; power bandwidth, 20 to 20k cps; IHF output 33 watts per channel; power output, rms, 30 watts per channel; harmonic distortion, 0.5% at 25 watts from 20 to 20k cps; IM distortion 1% at 25 watts; hum and noise, 70 db below 30 watt output; sensitivity, input for rated output—phono, 3 mv, aux. 0.180 volts; damping factor 12; output impedances 8 ohms; inputs—1 phono, 1 tape amp, 1 aux; Price \$249.95 (assembled); \$349.95. A10-1.

1. 2536 FM ster tuner-amp \$149.95

HEATHKIT

• **AR-13 "Solid-State" AM-FM Stereo Receiver.** 43 transistor, 18 diode circuit. Tuner automatically switches to stereo. Not a beginner's kit.

Specifications: FM: 43 transistors; 3-transistor front end; 3 i.f. stages; ratio detector; meter tuning indicator; controls—phase adj., mp/balance, mp/x separation, FM squelch phase, AFC, local-distant; switches SCA filter noise, filter, speaker; crossmodulation index 60 db; freq. resp. ± 3 db from 20 to 15k cps; signal-to-noise ratio 50 db; IHF volume sensitivity 3 uv; capture ratio 10 db; IHF usable sensitivity 3.5 uv; AM Suppression 20 db; harmonic distortion (100% mod.) 1%; stereo separation 30 db; switching stereo circuit; diode a.f.c. circuit; AM; Superhet circuit; 3-gang tuning capacitor; 2 i.f. stages; meter tuning indicator; IHF usable sensitivity 9 uv; IHF volume sensitivity 3 uv; freq. resp. ± 3 db from 20 to 3k cps; harm. dist. 2%. **AMPLIFIER:** Freq. resp. 15 to 30k cps ± 1 db at 20 watts output per channel; power bandwidth, 10 to 60k cps; IHF power output 33 watts per channel; power output, rms, 20 watts per channel; harmonic distortion, 1% at 20 watts from 20 to 20k cps; IM distortion 1% at 20 watts; hum and noise, 65 db below 20 watt output; sensitivity, input for rated output—phono, 6 mv, aux. 0.25 volts; damping factor 20:1; output impedances 4, 8, 16 ohms; inputs—2 phono, 2 aux, Price \$195.00. A10-2.

A11. PHONO PICKUP CARTRIDGE

ADC

• **Point Four/E Pickup.** Induced magnet principle, elliptical stylus, 15-deg. vertical tracking angle.

Specifications: Freq. response 10 to 20k cps ± 2 db; IM dist 1%; output, 4.3 mv/cm rec. velocity; channel separation, 30 db at 1 kc, 20 db at 10 kc; recommended load, 47 k ohms;



recommended tracking force—professional arms, 0.75-1.5 gms; compliance-lateral, 30 x 10⁻⁶ cm/dyne, vertical, 30 x 10⁻⁶ cm/dyne; inductance, 500 mh; d.c. resistance, 700 ohms; 4 terminals; mounting dimensions, 7/16" or 1/2". Price, diamond, \$60.00; replacement stylus, elliptical—\$25.00; regular—\$15.00. A11-1.

1. Point Four \$50.00
2. 660 for auto. TT \$46.50
3. 770 for changers \$29.50

ASTATIC

• **Model 45D "Cantata" Ceramic Stereo Cartridge.**

Specifications: Freq. response ± 2 db from 30 to 12k cps; IM dist 1%; output 2 mv/cm rec. velocity; channel separation, 30 db at 1 kc, 15 db at 10 kc; recommended load, 47k ohms with network supplied; recommended tracking force—professional arms, min. 1 gm, changers, 2-4 gms, effective stylus mass, 1.5 mg; compliance—lateral, 15 x 10⁻⁶ cm/dyne, vertical, 15 x 10⁻⁶ cm/dyne; capacitance, 1000 pf; 4 terminals; mounting dimensions, 7/16" & 1/2"; weight, 5.7 gms. Price, diamond,

mounting dimensions, 1/2" number of leads to head, 4; number of leads to chassis, 5; accommodation for different record sizes. Price, \$84.50. Accessories: extra heads, \$1.50; base, walnut, \$4.95. A14-7.

1. AT6 automatic turntable 4-speed ... \$59.50
2. Autoslum/P auto-manual, intermix .. \$44.50

STANTON

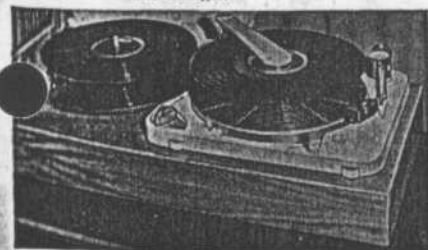
• **Model 800B Stereotable.** Gyropoise action, magnetic suspension, unified arm and platter suspension. Rigidly mounted motor allowing the base to dissipate vibration. Separate arm mounting board. Unique magnetic arm-board mounting.



Specifications: Speeds—33 1/3 rpm; puck drive; synchronous motor; turntable diameter, 11 27/64"; turntable weight, 2 lb. 7 oz.; shaft diameter, 9/32"; turntable material, alum.; rubber mat; wow, 0.04%; flutter, 0.05%; dimensions of chassis, 14 1/2" 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 head, 4; number of cables to chassis, 2. Price, \$129.95. A14-8.

THORENS

• **TD-221.** 2-in-1 Swiss instrument that combines turntable with an automatic record changer. More than five years in development, the TD-224 combines the essence of a TD-124 with an automatic changing mechanism of unusual design.



Specifications: Speeds—16, 33 1/3, 45, 78 rpm; belt and idler drive; 4-pole motor; turntable diameter, 12"; turntable weight, 8 lb.; shaft diameter, 3/8"; turntable material, non-ferrous; rubber mat; wow and flutter below NAB; 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 intermix for 7", 10", 12" records. Price, \$250.00. Accessories: extra heads, \$5.00; bases, \$30.45. A14-9.

WEATHERS

• **"The Townsend" Model 82-1.** Universal cartridge mount, adjustable stylus pressure and tracking angle, solid oiled walnut tone arm.



Specifications: Speeds—33 1/3 rpm; direct rim drive; 12-pole synchronous motor; turntable diameter, 12"; turntable weight, 12 oz.; shaft diameter, 1/4"; turntable material, aluminum; foam mat; wow, 0.03%; flutter 0.04%; dimensions of chassis, 17" x 14"; clearance required above mounting board, 3"; below, 2"; type of mounting, walnut base included; controls, on-off; over-all weight, 12 lb. Price, \$59.95. A14-10.

1. K-66 w/arm and cartridge \$ 99.50
2. TP-2225 w/arm, transistor preamp, cartridge \$189.50

A15. LOUDSPEAKER MECHANISM

RICHARD ALLAN

• **C G-12 Super 12" Woofer.** Designed for use as bass unit in wide-range, high-power multiple speaker systems. Curved rigid cone, doped cambic surround, extra-long voice coil and high flux Feroba magnet system suitable for use in "slim line" enclosures.

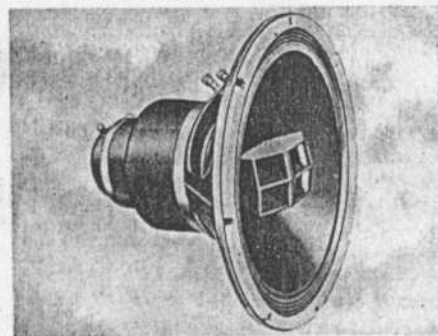


Specifications: cone speaker; power handling capacity 30 watts; impedance 15 ohms; frequency response, ±1 db from 25 to 5k cps; sensitivity (watts input for +85-db level 10 feet on axis) 0.44 watts runs at 1k cps; magnet weight 56 oz.; voice-coil diameter 2 in.; free air resonance frequency 30 cps; recommended enclosure volume 1 cu. ft. Dimensions 12 1/2" dia. 4 1/2" deep; mounting dimensions, (4) 1/4-in. holes on 11 9/16" circle; cutout diameter 10 3/4"; weight, 10 1/4 lbs. Other features 14,000 Gauss ceramic magnet. A15-1.

1. C G 8 8"
2. C G 10 10"
3. C G 12 12"
4. C G 15 15"
5. 812 F 8" mid-range

ALTEC

• **605A Duplex Loudspeaker.** An improved version of the famous 604 series. Provides smooth response in the highs, high linearity, clean transient response in the lows.



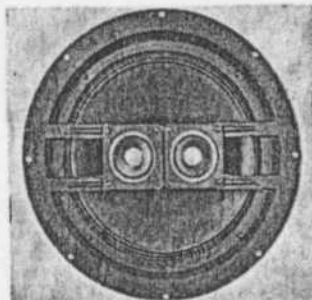
Specifications: Type, duplex; power handling capacity, 35 watts; impedance 16 ohms; frequency response, from 20 to 22k cps; magnet weight, l.f. 40 oz., h.f., 8 oz.; voice-coil diameter, l.f. 3", h.f. 1 1/4"; free air resonance frequency 25 cps. Dimensions: 15 5/16" dia., 10" deep; weight, 37 lbs. with network. Price \$168.00. A15-2.

1. 601C \$108.00
2. 602C \$132.00
3. 415C \$ 67.50
4. 803B \$ 60.00
5. 755C \$ 29.95

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 ±3 db from 40 to 20k cps; magnet weight 40 oz.; voice-coil diameter 1 1/2"; free-air resonance frequency 36 cps; recommended enclosure volume 5 cu. ft. minimum. Dimensions—15" diameter, 7" deep; mounting dimensions (8) 1/4-in. holes on 14 1/2" circle; cutout diameter 12 1/4"; weight 13 lbs. Price \$89.50. A15-3.



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

CTS

• **152 Loudspeaker.** 40 watts nominal, 80 watts peak. All speakers in this line are styled in platinum and ebony finish.

Specifications: cone speaker; power handling capacity 80 watts peak; impedance 8 ohms; frequency response, ±5 db from 35 to 6k cps; sensitivity (watts input for +85-db level 10 feet on axis) 0.5 watts; magnet weight 24 oz.; voice-coil diameter 1.5 in.; free air resonance frequency 55 cps; recommended enclosure volume 6 cu. ft. Dimensions 15 1/2" dia. 7 1/2" deep; mounting dimensions, (8) 0.375-in. holes on 14" circle; cutout diameter 13 29/32"; weight, 8 lbs. Price \$42.50. A15-4.

1. Model 124 12" \$37.50
2. Model 123 12" \$17.00
3. Model 804 8" \$13.50
4. Model 801 8" \$ 7.50
5. Model 693 6" x 9" \$ 8.00

ELECTRO-VOICE

• **Model 12TRXB.** Three separate radiating elements, built-in electrical crossover, ceramic magnet, cloth suspension, large edge-wound voice coil. Compression driver with diffraction horn for highs. Die-cast frame.

Specifications: 3-way; power handling capacity 60 watts; impedance 16 ohms; frequency response, from 35 to 20k cps; sensitivity (watts input for +85-db level 10 feet



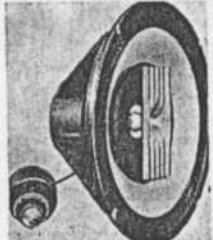
on axis) 0.2 watts; magnet weight—woofer 1 lb. 6 oz.; tweeter 3.16 oz.; voice-coil diameter—woofer 2 1/2", tweeter 1"; free air resonance frequency 50 cps; recommended enclosure volume 3 1/2 cu. ft. min. Dimensions 12 1/4", dia. 7" deep; mounting dimensions, (4) 1/4-in. holes on 11 1/2" circle; cutout diameter 11"; weight, 14 lbs. Price \$70.00. Other features continuously variable high frequency control on 30" cable. A15-5.

1. SP8B Radax coaxial 8" \$33.00
2. SP12B Radax Coaxial 12" \$39.25
3. SP12 Radax Coaxial 12" \$56.00
4. 15TRXB 3-way 15" \$85.00
5. SP15 Radax Coaxial 15" \$72.00

GOODMANS

• **12" Triaxiom 100C.** Three concentric radiators.

Specifications: 3-way; power handling capacity 20 watts; impedance 16 ohms; fre-



quency response, 20 to 20k cps; magnet weight 16 oz.; price \$34.50. A15-6.

HARTLEY-LUTH

• **Model 218MS Woofer.** Response at 15 cps down 7 db with 6-8% distortion, at 30 cps



own only 1 db with 4-6% distortion, less than 1% from 100 cps upward. Impervious to humidity and temperature extremes.

Specifications: woofer; power handling capacity 25 watts; impedance 16 ohms; frequency response, ± 3 db from 20 to 3k cps; magnet weight 14 lb.; voice-coil diameter 15 in.; free air resonance frequency 17 cps; recommended enclosure volume 8 cu. ft. minimum. Dimensions 18" dia. 8" deep; mounting dimensions, (6) $\frac{3}{8}$ -in. holes on 17 $\frac{1}{4}$ " circle; cutout diameter 15 $\frac{1}{2}$ "; weight 16 lbs. Price \$195.00. A15-7.

1. 220MS full range 10" \$135.00
2. 312 full range 12" \$ 99.95
3. 310 full range 10" \$ 85.00

HEATHKIT

• **Model AS-183 12" 2-way Speaker.**
Specifications: Coaxial; power handling capacity 30 watts; impedance 8 ohms; frequency response, 20 to 15k cps; magnet weight 28 oz.; voice-coil diameter 1.5 in.; free air resonance frequency 25 cps; recom-



mended enclosure volume 6900 cu. in.; dimensions 12" dia., 6 $\frac{3}{8}$ " deep; mounting dimensions, (4) $\frac{3}{4}$ " holes on 11 $\frac{1}{2}$ " circle; cutout diameter 11"; weight, 10 $\frac{1}{2}$ lbs. Price \$95. Other features—die cast frame, high-frequency level control. A15-8.

1. AS-173 12" 3-way \$39.95
2. AS-163 12" 3-way coaxial \$29.95
3. AS-143 12" \$19.95
4. AS-143 12" \$ 9.95
5. AS-133 8" two-way coaxial \$14.95

JENSEN

• **SG-300 12" 3-Way Speaker.** Triax® loudspeaker has three electrically and acoustically independent loudspeakers in one housing; Flexair® woofer, midrange horn using woofer cone as outer section, and horn-loaded compression VHF tweeter on die-cast support bar. Includes new IIF balance control adaptable to mounting in smaller enclosures.

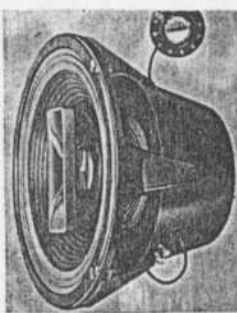


Specifications: 3-way; power handling capacity 40 watts; impedance 8 ohms; frequency response from 20 to 20k cps; sensitivity (watts input for +85-db level 10 feet on axis) 1 watt; woofer magnet weight 16 oz.; voice-coil diameter 1 $\frac{1}{2}$ in.; free air resonance frequency 25 cps; recommended enclosure volume 3 cu. ft. minimum. Dimensions 12 $\frac{3}{4}$ " dia. 8 $\frac{1}{4}$ " deep; mounting dimensions, (4) 0.265" holes on 11 9/16" circle; cutout diameter 10 $\frac{1}{2}$ "; weight, 12 $\frac{1}{2}$ lb. Price \$99.50. Other features IIF balance control. A15-9.

1. SG-223 reflex horn 12" Flexair coax \$76.50
2. SG-222 multicell horn 12" coax \$69.50
3. SG-210 3-element 12" coax \$43.50
4. 88 comp. tweeter 8" Flexair coax \$42.50
5. 80 dual-cone 8" Flexair \$19.75

KNIGHT

• **KN-612HC.** Dynamic Integrated 3-way speaker.



Specifications: magnet weight 4 lb. 10 oz.; voice-coil diameter 2 $\frac{1}{2}$ in.; free air resonance frequency 35-20k cps. A15-10.

LAFAYETTE

• **SK-58A 12-inch 2-Way Speaker.** 12-in. free-edge woofer plus an improved 3-in. cone-type tweeter, with the tweeter mounted on the same axis as the woofer. Built-in LC network. 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;

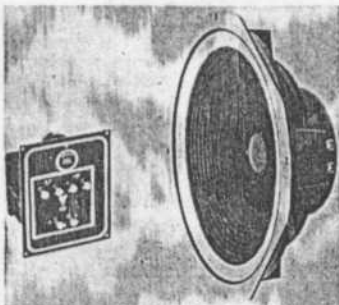


frequency response, from 30 to 15k cps; magnet weight 20 oz.; free air resonance frequency 40 cps; recommended enclosure volume 6 cu. ft. Dimensions: 12 $\frac{1}{2}$ " dia. 6 $\frac{1}{4}$ " deep; cutout diameter 10 $\frac{1}{2}$ "; weight 11 lbs. Price \$29.50. Other features: brilliance level control. A15-11.

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-210W 12" 3-way \$42.50
5. SK-128 8" biaxial \$19.50

JBL

• **LE14C 14-inch Linear Efficiency Composite Transducer.** The LE14C consists of two matched transducers mounted on a common axis, with voice coils lying in the same plane. The effective piston area equals that of many 15-inch speakers, yet the stepped frame permits installation in enclosures which would ordinarily accept only a 12-inch unit. Assembly includes crossover network with adjustable high-frequency attenuation.



Specifications: 2-way system; power handling capacity 30 watts; impedance 16 ohms; sensitivity (watts input +85-db level 10 feet on axis) 1.04 watts; bass voice-coil diameter 4 in.; bass free air resonance frequency 25 cps; recommended enclosure volume 1.7 cu. ft. or more. Dimensions 13 $\frac{3}{8}$ " dia., 5 $\frac{1}{4}$ " deep; mounting dimensions, (4) $\frac{1}{2}$ -in. holes on 13 $\frac{1}{4}$ " circle; cutout diameter 12 7/16"; weight, 21 lb. Price \$150.00. Other features: Crossover network furnished in separate die-cast aluminum case. A15-12.

1. D130 15" ext. range \$102.00
2. D123 12" ext. range \$ 72.00
3. D216 8" ext. range \$ 36.00

4. LE8T full range 8" "Linear Efficiency" \$ 66.00
5. LE20 direct radiator tweeter \$ 33.00

MICHIGAN

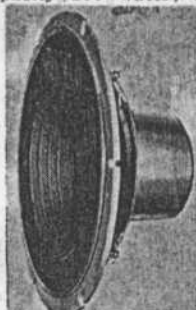
• **Model MC8.** Budget-priced speaker. Features rigid die-cast frame ceramic magnetic structure, dual cone radax design. Slim design.
Specifications: Radax 2-way; power handling capacity 24 watts; impedance 8 ohms; frequency response, 60 to 13k cps; sensitivity



(watts input for +85-db level 10 feet on axis) 0.8 watts; magnet weight 6.0 oz. ceramic; voice-coil diameter 1 in.; free air resonance frequency 75 cps; recommended enclosure volume 1 $\frac{1}{4}$ -cu. ft. min. Dimensions 8 $\frac{1}{4}$ " dia. 3 3/16" deep; mounting dimensions, (4) $\frac{1}{4}$ -in. holes on 7 $\frac{1}{2}$ " circle; cutout diameter 7"; weight, 4 lbs. Price \$15.00. A15-13.

NESHAMINY

• **Model 350 Woofer.** Long-travel dynamic woofer complements mid/high range electrostatic. Light cone with slight apex weighting and specially treated cloth suspension.
Specifications: 11" dynamic woofer; power handling capacity 100 watts; impedance 8



ohms; frequency response, ± 3 db from 30 to 2k 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. A15-14.

R & A

• **780 Mark IV Speaker.** Dust and moisture proof, tropicalized, anisotropic magnet system, polarized for stereo.
Specifications: 8" twin cone; power handling capacity 20 watts; impedance 8 ohms; frequency response from 45 to 17k cps; magnet density 12,000 cm²; voice-coil diameter 1



in.; free air resonance frequency 65 cps; recommended enclosure volume 1.5-6 cu. ft. Dimensions: 8" dia., 4" deep; mounting dimensions, 4 holes on RMA std circle; weight 5 lbs. Price \$14.95. A15-15.

1. 750 tweeter \$ 9.95
2. 7100 10" full range \$16.95
3. 7120 12" full range \$18.95
4. Dual 1262 ind. magnet sys., built-in crossover \$39.95

STENTORIAN

• **IIF 1012U.** Full range 10" speaker.
Specifications: power handling capacity 10 watts; impedance 4, 8, 16 ohms; frequency

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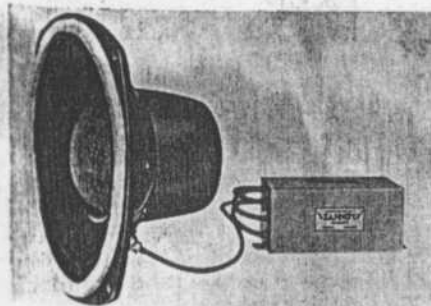
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response, ± 2 db from 30 to 14k cps; magnet weight 32 oz.; voice-coil diameter 1 in.; free air resonance frequency 35 cps; recommended enclosure volume 4-6 cu. ft. Dimensions: 11 $\frac{1}{4}$ " dia., 4 $\frac{1}{2}$ " deep; mounting dimensions: (4) 3/16" holes on 10 25/32" circle; cutout diameter 9 $\frac{1}{4}$ "; weight, 0 $\frac{1}{2}$ lb. Price \$18.95. A15-10.

1. H.F. 1214 12" full range \$ 52.50
2. H.F. 812U 8" full range \$ 14.95
3. T359 cone tweeter \$ 14.95
4. 15" concentric duplex \$159.50
5. 12" concentric duplex \$119.00

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, ± 3 db from 27 to 20k cps; magnet assembly 6 $\frac{1}{2}$ lbs.; L.F. voice-coil diameter 2 $\frac{1}{2}$ " (H.F. 2"); free air resonance frequency 27 cps; recommended enclosure volume 1 $\frac{1}{2}$ cu. ft. Aluminum. Dimensions 11 $\frac{1}{2}$ " dia. 6 $\frac{1}{2}$ " deep; mounting dimensions, (4) 1/4-in. holes on 11" circle; cutout diameter 9"; weight, 9 lbs. Price \$112.75. Other features: Crossover weight 2 $\frac{1}{2}$ lbs.; finish, hard enamel. A15-17.

1. 15" monitor dual concentric \$179.00
2. 12" monitor dual concentric \$138.00

LTV UNIVERSITY

• **Model 312, 200 Series 12" 3-Way Speaker.** Die-cast frame, high-compliance woofer. Diffusor mid-range. Sphericon super tweeter has its own specially constructed reflector baffle to prevent acoustic interaction between tweeter and woofer. It also provides 120-deg. dispersion in all directions. Built-in electrical crossover network and adjustable brilliance control.



Specifications: 3-way; power handling capacity 35 watts; impedance 8-16 ohms; frequency response, ± 2 db from 28 to 22k cps; Dimensions 13" dia. 6 $\frac{1}{2}$ " deep; mounting dimensions, (4) 1/16-in. holes on 11 9/16" circle; cutout diameter 11"; weight, 10 $\frac{1}{4}$ lbs. Price \$73.00. A15-18.

1. Model 6201 \$ 57.57
2. Model 315-C \$156.00
3. Model C-12-HC \$ 49.50
4. Model C-15-HC \$ 89.50
5. Model Cobreflex \$ 24.15

UTAH

• **C8JC-3 Celesta.** 3-element, 8" speaker, heavy die-cast frame. Internal dust cap protects the voice coil gap from "stray whiskers." Other versions of this speaker include a 12" model with a 20 oz. magnet.

Specifications: 3-way; power handling capacity 30 watts; impedance 8 ohms; fre-

quency response, 35 to 20k cps; magnet weight 10 oz.; voice-coil diameter 1 in. Dimensions 8 3/16" dia. 3 9/16" deep; mounting



dimensions, 4 holes on 7 11/16" circle; weight, 5 lbs. Price \$17.95. Other features: finger tightening terminals. A15-19.

1. C8JC-1 single cone \$11.95
2. C8JC-2 dual cone \$12.95
3. C12JC-1 single cone \$15.95
4. C12PC-2 dual cone \$18.95
5. C12PC-3 3-way \$24.95

VITAVOX

• **DU120 Coaxial Full Range Speaker.** Designed for use with the finest associated components.

Specifications: direct radiator moving coil cone; power handling capacity 30 watts; impedance 15 ohms; frequency response, 30



to 15k cps; magnet weight—l.f. 3 $\frac{1}{4}$ lb., h.f. 2 $\frac{1}{2}$ oz.; voice-coil diameter—l.f. 1 $\frac{1}{4}$ " h.f. 3/4"; free air resonance frequency—l.f. 35 cps, h.f. 220 cps; recommended enclosure volume 4-6 cu. ft. Dimensions 12 $\frac{1}{2}$ " dia. 7" deep; mounting dimensions, (4) 5/16-in. holes on 11 $\frac{1}{2}$ " circle; cutout diameter 11"; weight, 14 $\frac{1}{2}$ lb. Price \$95.00. L.f. unit is protected by a dust filter, h.f. section has a polyester diaphragm. A15-20.

1. AK120 12" full range \$ 75.00
2. AK121 12" woofer \$ 85.00
3. K1540 15" woofer \$125.00

JORDAN WATTS

• **Modular Loudspeaker.** Developed from "Jordan's Law," small metal diaphragm, silvered beryllium copper suspension, rectangular chassis, good response from small enclosures; power handling can be increased by using in-line source arrays, with phase shift networks, to maintain optimum polar response.



Specifications: metal cone concentric; power handling capacity 12 watts; impedance 16 ohms; frequency response ± 3 db from 30 to 17k cps; magnet weight 40 oz.; voice-coil diameter 1.5 in.; free air resonance frequency 55 cps. Dimensions 4" dia. 2" deep; mounting dimensions, 5 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ " (rectangular); weight, 4 lbs. Price \$60.00. A15-21.

WHARFEDALE

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

Specifications: Full-range; impedance 12-15 ohms; frequency response, 25 to 15k cps; magnet weight 256 oz.; voice-coil diameter 1 $\frac{1}{2}$ in.; free-air resonance frequency 28-33 cps; recommended enclosure volume 1 cu. ft. or more. Dimensions 12 $\frac{1}{4}$ " dia. 7" deep;

mounting dimensions, (4) 3/16" holes on 12 $\frac{3}{4}$ " circle; cutout diameter 10 $\frac{1}{2}$ "; 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. A15-22.



1. Super 8/RS/DD 8" full-range \$26.50
2. Super 10/RS/dd 10" full-range \$47.50
3. Super 3 treble \$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" range woofer, plus a twin-tweeter array with a built-in crossover network.



Specifications: Type 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. A15-23.

1. ERD-2 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

WOLVERINE

• **Model LTS 8-in. Speaker.** Three separate radiating elements, including an 8" woofer, 4" mid-range, and a compression horn VHF driver. Tweeter employs a ring diaphragm. Ceramic magnet, die-cast frame, and edge-wound voice coil.



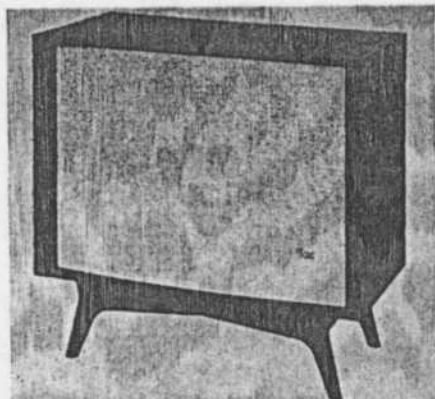
Specifications: 3-way; power handling capacity 40 watts; impedance 8 ohms; frequency response, 45 to 18k cps; sensitivity (watts input for +85-db level 10 feet on axis) 1.6 watts; magnet weight woofer 10 oz. ceramic, tweeter 1.47 oz. Alnico-V; voice-coil diameter woofer 2", tweeter 1"; free air resonance frequency 65 cps; recommended enclosure volume 1 cu. ft. min. Dimensions 8 $\frac{1}{4}$ " dia. 3 15/16" deep; mounting dimensions, (4) 1/4-in. holes on 7 $\frac{1}{2}$ " circle; cutout diameter 7"; weight, 6 $\frac{1}{2}$ lbs. Price \$33.00. Other features: Continuously variable high frequency level control on 30" cable. A15-24.

1. Model LT12 \$36.00
2. Model LS8 \$21.00
3. Model LS12 \$22.50
4. Model LS15 \$29.50

A16. LARGE SPEAKER SYSTEMS

ALTEC

• **838A Carmel.** The Altec "Carmel" balances size, appearance, and audio quality. The mid-range or presence region of the Carmel system is particularly fine. The "Carmel" is a two-way, bass reflex system with a frequency range from 30-22k cycles. Power rating: 30 watts. Two high-compliance 414A bass speakers. An Altec 804A driver mounted on an

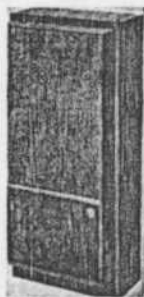


811B horn covers the highs to 22k cps. An N-800E network provides the necessary crossover at 800 cps. Dimensions: 29 3/4" H. x 35" L. x 17 1/4" D. Price: \$333.00. A16-1.

1. 837A Avalon \$280.50
2. 831A Capistrano \$399.00

ADC

• **ADC-18.**
Specifications: speakers—1 l.f., 1 h.f.; power handling capacity 10-65 watts; impedance 8,

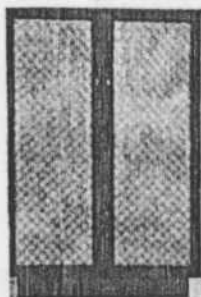


16 ohms; frequency response ± 3 db from 20 to 20k cps; magnet weights: l.f., 9 lb. Dimensions: 17" wide, 40" high, 12 1/2" deep; oiled walnut \$250.00. A16-2.

BOZAK

• **B-410 Concert Grand Speaker System.** Designed for the music connoisseur.

Specifications: infinite baffle enclosure; speakers—4 l.f., 2 m.f., 8 h.f.; power handling capacity 50-200 watts; 3-way LC, 6 db/octave at 400 and 2500 cps crossover networks; impedance 8 ohms; frequency response ± 3 db from 28 to 20k cps; magnet



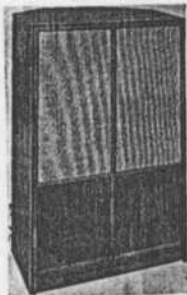
weights: l.f., 24 oz.; m.f., 24 oz.; h.f., 16 oz.; voice coil diameters: l.f., 1 1/2"; m.f., 1 1/2"; h.f., 3/4". Dimensions: 36" wide, 52 1/4" high,

19" deep; weight, 210 lbs.; walnut or mahogany \$790.00. A16-3.

1. B-310A Concert Grand system \$770.00

ELECTRO-VOICE

• **Patrician 800.** The latest in a series of 4-way speaker systems. 30" woofer, controlled mid-bass by use of a 100-cycle first crossover frequency with 12-db-per-octave attenuation on either side. An SP12D mid-bass speaker, liberally-padded enclosure, T250 treble driver, using an SHD diffraction horn for frequencies above 800 cycles. T350 tweeter 23k cps.



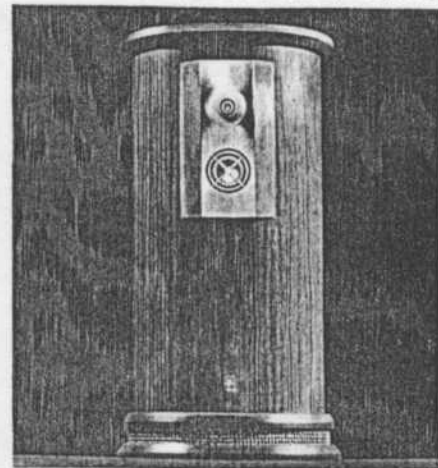
Specifications: infinite baffle enclosure; speakers—30" l.f., 12" m.b. compression horn m.f., compression horn h.f.; power handling capacity 200 watts; 4-way electrical 12 db/octave crossover networks; impedance 16 ohms; frequency response 15 to 23k cps; sensitivity (watts input for +85 db level 10 feet on axis) 0.13 watts; magnet weight: 9 lb. 4 oz. ceramic l.f., 3 lb. Alnico m.b., 3 lb. m.f., Alnico 1 lb. h.f.; voice coil diameters: l.f., 2 1/2"; m.f., 2"; h.f., 1"; other features: three continuously variable mid and high-frequency level controls. Dimensions: 51" wide, 33" high 27 3/4" deep; weight, 315 lbs.; satin walnut \$875.00, mahogany \$875.00, fruitwood \$875.00. A16-4.

1. Georgian 400 \$495.00
2. Stereon 850 \$375.00

EMPIRE

• **Royal Grenadier Model 9000.** Divergent lens speaker system. Total magnetic power more than 1 million lines. Rigid cylindrical enclosure.

Specifications: speakers 15" l.f., direct radiator m.f., domed tweeter h.f.; power handling capacity 100 watts; L-C (12 db) crossover network; impedance 8 ohms; frequency

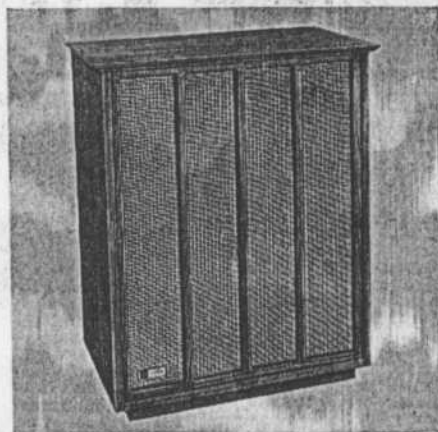


response ± 3 db from 20 to 20k cps; sensitivity (watts input for +85-db level 10 feet on axis) 1.0 watts at 1 kc.; magnet weights: l.f., 9 lb.; m.f., 2 1/2 lb.; h.f., 1 lb.; voice-coil diameters: l.f., 4"; m.f., 2 3/4", h.f., 1"; die cast wide angle acoustic lens for mid' and high frequency direct radiators. Dimensions: 29" H, 22" diameter; weight 85 lbs.; hand-rubbed satin walnut \$250.00. A16-5.

1. 9000M marble top \$260.00

FISHER

• **XP-10 Console.** Three high-compliance transducers with high flux-density magnet assemblies. 15" woofer incorporates frequency-linear eddy-current damping and a butyl-impregnated half-roll surround. 8" mid-range, crossover at 200 cps, sealed in its own sub-enclosure to prevent interaction between the speakers.

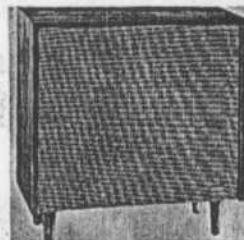


Specifications: infinite baffle enclosure; speakers—15" l.f., 8" m.f., 2" h.f.; power handling capacity 65 watts; L-C, air-core coils crossover network; impedance 8 ohms; frequency response ± 2.5 db from 34 to 18k cps; magnet structure weights: l.f., 96 oz.; m.f., 88 oz.; h.f., 88 oz.; voice coil diameters: l.f., 2"; m.f., 1.5"; h.f., 2"; soft-mass cotton dome tweeter, extremely close speaker-matching, hand-made drivers. Dimensions: 24 1/4" wide, 30 1/2" high, 14 3/4" deep; weight, 80 lbs.; Scandinavian walnut \$249.50. A16-6.

FRAZIER

• **Del Mar Speaker System.** Economical big speaker system.

Specifications: modified bass reflex enclosure; speakers—1 l.f., 1 h.f.; power handling



capacity 15 watts; impedance 8 ohms; frequency response 40 to 15k cps; dimensions: 23 3/4" wide, 23 3/4" high, 11 1/4" deep; hand-rubbed oil walnut \$79.50. A16-7.

1. F-8-3X utility version \$57.00
2. F-8-3Y horn tweeter utility \$87.00

HARNED

• **Full-range Electrostatic Loudspeaker.** Built-in treble amplifier makes speaker compatible with any good system. Suitable for use in medium to large rooms.



Specifications: free standing enclosure; speakers—1 l.f., 1 h.f.; power handling capacity 60 watts; pure resistive crossover network impedance 16 ohms; frequency response ± 2 db from 35 to 18k cps; dimensions: 26" wide, 43" high, 12" deep; weight, 70 lbs.; walnut, \$500.00. A16-8.

HARTLEY-LUTH

• **Concertmaster III.** Housed in various semi-open back enclosures; utilizes the Hartley-Luth 18" woofer and a 10" unit for mid and high range. Acoustic treatment of cabinet interior with Hartley "Soundsofbers".

Specifications: semi-open baffle enclosure; speakers—1 l.f., 6 h.f.; power handling capacity 25 watts; electrical, 300 cycle 12-db-per-octave crossover network; impedance 16 ohms; frequency response ± 3 db from 16 to 20k cps; magnet weights: l.f., 14 lb.; m.f., 6.1 lb.; voice coil diameters: l.f., 1 1/2"; h.f., 1"; other features identical cones except for size,



magnetic suspension on both. Dimensions: 29" wide, 36" high, 16" deep; weight, 125 lbs.; oiled rubbed walnut, \$495.00, A16-9.

1. Concertmaster IV \$525.00
2. Holton type A w. 220MS speaker .. \$245.00
3. Holton type A w. 310 speaker \$195.00
4. Holton type B w. 220MS speaker .. \$245.00
5. Holton type B w. 310 speaker \$195.00

HEATHKIT

• *Model AS-21 Legato Compact Speaker System.* 800 cps crossover, completely assembled, can be driven by as little as 3 watts.

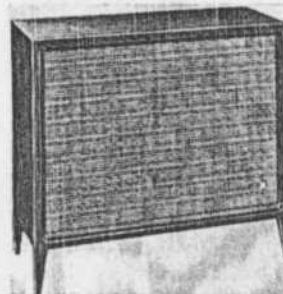
Specifications: modified infinite baffle enclosure; speakers—2 l.f., 1 h.f.; power handling



capacity 30 watts; L-C crossover network; impedance 16 ohms; frequency response 30 to 22k cps; magnet weights: l.f., 24 oz.; h.f., 8.48 oz.; voice-coil diameters: l.f., 3"; h.f., 1 1/4"; other features 800 cycle crossover into exponential horn; dimensions: 32" wide, 32 3/4" high, 18" deep; weight 54 lbs.; walnut, \$239.95, A16-10.

JENSEN

• *PR-400 3-Way Console Speaker System.* 15" woofer, new Jensen MH-400 aspheric midrange, top end radiated by the new E-100 Sono-Dome.

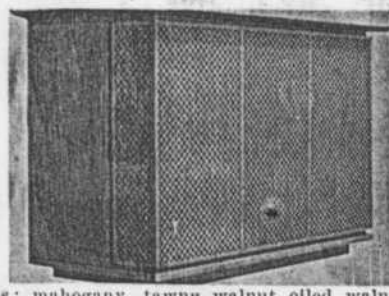


Specifications: Bass-superflex enclosure; speakers—1 l.f., 1 m.f., 1 h.f.; power handling capacity 40 watts; impedance 8 ohms; frequency response 20 cps to beyond audibility; dimensions: 34" wide, 29 1/2" high, 14 9/16" deep; weight, 76 1/2 lbs.; oiled walnut, \$297.50, A16-11.

JBL

• *D5087 Olympus.* Two-way "Linear Efficiency" loudspeaker system. Distinctive acoustic enclosure with hand-carved wooden fretwork grille. LE15A 15-inch low frequency loudspeaker, above 500 cps crossover, LES5 driver, with cast aluminum exponential horn and slant-plate acoustic lens.

Specifications: non-vented enclosure; speakers—1 l.f., 1 h.f.; power handling capacity 60 watts; two-way, 500 cps, 12 db/octave with deep attenuator crossover network; impedance 16 ohms; sensitivity (watts input for +85 db level 10 feet on axis) 0.75 watts; voice coil diameters: l.f., 4"; h.f., 1 1/4"; frequency response and total acoustic power remain uniform through crossover region. Dimensions: 40" wide, 26 3/4" high, 20" deep; weight, 160



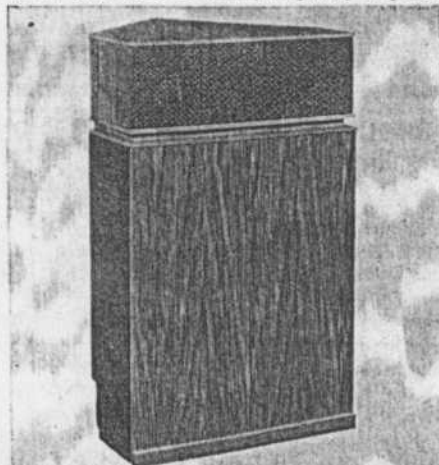
lbs; mahogany, tawny walnut oiled walnut, Danish teak, ebony \$645.00, A16-13.

1. D505MS7 "Studio Monitor" with 57 components \$ 516.00
2. Paragon integrated stereo reproducer \$2250.00
3. Metregon integrated stereo reproducer with S62 components \$1308.00
4. D40001 Lowboy folded horn enclosure with 001 2-way system \$ 468.00
5. D51 LE14C Apollo enclosure with LE14C system \$ 378.00

KLIPSCH

• *Klipschorn, K357.* New midrange, FM distortion below 0.1%.

Specifications: all horn speakers—horn l.f., horn m.f., horn h.f.; power handling capacity 100 watts; three-way balancing crossover network; impedance 16 ohms; frequency response



±5 db from 35 to 18k cps; sensitivity (watts input for +85-db level 10 feet on axis) 0.08 watts; dimensions: 31" wide, 52" high, 28" deep; weight, 195 lbs.; oil rubbed walnut \$794.00; piano finish, hand rubbed walnut, mahog. \$852.00; hard rock maple \$794.00; theatre black \$514.00, A16-12.

LEONHARDT

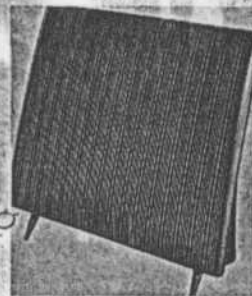
• *LH-500 "Concert Master" Speaker System.* Cylindrical shape with wood trim provides wide sound dispersion from a single lightweight diaphragm.



Specifications: sealed enclosure; power handling capacity 20 watts; impedance 8 ohms; frequency response 25 to 20k cps; other features: fused for protection against accidental overloads. Dimensions: 16" wide, 37" high, 12" deep; weight, 32 lbs.; oiled walnut; \$159.95; any other finish; \$169.95, A16-14.

QUAD

• *Electrostatic Loudspeaker.*
Specifications: power handling capacity 15 watts; frequency response 45 to 18k cps; other features: wide range electrostatic model designed for use with Quad II power ampli-



fier. Dimensions: 34 1/2" wide, 31" high, 10 1/4" deep; weight, 35 lbs.; metallic bronze grille, beech end frames & feet; \$260.00, A16-15.

SCHOBER

• *Model LSS-10 Organ Loudspeaker System.* Specifically designed for electronic organ application, suitable for high fidelity reproduction. The LSS-10 is essentially two phase inverters, one for the 12" woofer and another, placed inside the larger one, for the 8" high frequency unit. Acoustic cutoff plus electrical cutoff produces rapid cutoff below 300 cps eliminating acoustic interaction in the crossover region.



Specifications: dual phase inverter enclosure; speakers—12" l.f., 8" h.f.; power handling capacity 40 watts of organ tone; 300 cps 3/4-section crossover network; impedance 8-16 ohms; frequency response ±5 db from 32 to 13k cps; magnet weights: l.f., 22 oz.; h.f. 12 oz.; voice-coil diameters: l.f., 2"; h.f., 2". Dimensions: 24" wide, 36" high, 19" deep; weight, 80 lb.; standard walnut \$150.00; unfinished birch \$125.00; to specification \$165.00, A16-16.

SHERWOOD

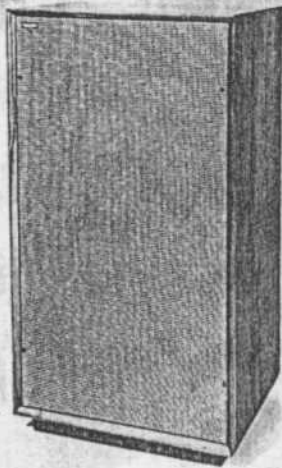
• *Tanglewood Model SR4 4-way Speaker System.* Features a pair of 10-inch woofers with staggered resonances, 17.5 and 18.5 cps, 2 cu. ft. enclosure. Each speaker is individually chambered. One-in.-thick rosin-filled flake-board speaker baffle and front to back reinforcement. Shallow ring-radiator tweeters.



Specifications: sealed enclosure; speakers—(2) 10" l.f., 8" m.l.f., 8" m.f., 3 1/4" h.f.; power handling capacity 75 watts; 12 db/octave at 200 cps, 600 cps, and 3500 cps crossover networks; impedance 8 ohms; frequency response ±2 1/2 db from 29 to 17.5k cps; magnet weights: l.f., 10 oz.; m.l.f. 6.8 oz.; m.f. 6.8 oz.; h.f., 9.0 oz.; voice coil diameters: l.f., 1.5"; m.f., 1"; h.f., 1". Dimensions: 24" wide, 31" high, 13" deep; weight, 73 lbs.; walnut \$219.50, birch, unfinished w/grille \$209.50, black lac, no/grille \$199.50; kit, 6 speakers and crossover \$109.50, A16-17.

TANNOY

• *GRF Speaker System.* The "GRF" system provides a compound expanding sound source, the effect of this is that the wave front area varies with frequency. The system incorpa-



rates the Tannoy 15" Monitor Dual Concentric loudspeaker.

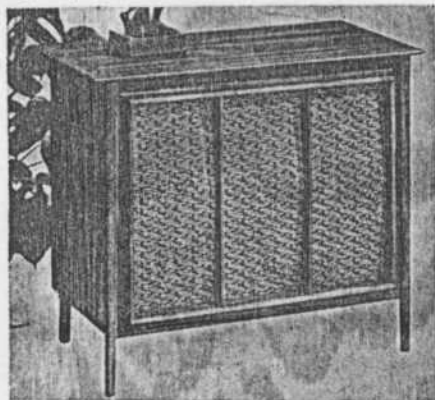
Specifications: horn loaded enclosure; power handling capacity 50 watts; RLC crossover network; impedance 16 ohms; frequency response ± 3 db from 30 to 20k cps; magnet assembly weight: 13 lbs.; voice coil diameters: l.f., 2"; h.f., 2"; other features horn-loaded high-frequency tweeter feeds through curvilinear diaphragm of LF assembly. Dimensions: 23 1/4" wide, 42" high, 17 1/2" deep; weight, 130 lbs.; oiled walnut \$385.00. A16-18.

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.

Specifications: Ducted-bass-reflex enclosure; speakers—1 l.f., 1 m.f., 1 h.f.; power handling capacity 60 watts; 1/4-section filter, 6 db/oct.

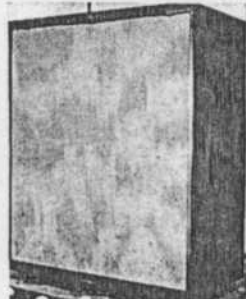


crossover network; impedance 4-8 ohms; frequency response ± 5 db from 20 to 20k cps; dimensions: 35" wide, 28 1/4" high, 17 1/2" deep; weight, 86 lbs.; oiled walnut \$295.00. A16-19.

1. Classic Dual 12 \$229.50
2. Classic 5-95 (unfinished) \$340.00

YL

• **CS-6 Orchestra.** All-horn four-way system covering the middle and high frequency range



by horn-loaded metal-diaphragm compression drivers and the bass range by a powerful,

hard-cone 15" woofer mounted on a short horn. Designed for home use.

Specifications: multi-horn enclosure; speakers—15" l.f., M-550 & MH-350 compr. drivers, SH-180 driver h.f.; power handling capacity 35 watts; L/C with air-core coils 200, 1000, and 5000 cps crossover networks; impedance 16 ohms; frequency response ± 5 db from 25 to 20k cps; sensitivity (watts input for +85-db level 10 feet on axis) 0.2 watts; assembly magnet/weights: l.f., 230 oz.; m.f., 176 & 54 oz.; h.f., 27 oz.; voice coil diameters: l.f., 2 1/2"; m.f., 2" & 1 3/4"; h.f., 3/4"; other features—the three compression drivers respectively replaceable with higher gap flux density ones. Dimensions: 34 1/4" wide, 43 3/4" high, 19 1/2" deep; weight, 172 lbs.; Japanese cherry wood (Sakura) \$895.00. A16-20.

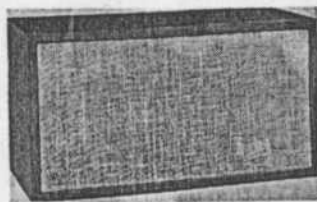
1. CS-5 Concert \$689.00
2. CS-7 Symphonia \$559.00
3. CS-12 Symphonietta \$459.00

A17. SMALL SPEAKER SYSTEMS

ACOUSTIC RESEARCH

• **AR-1.** Similar in design and performance to AR-3 except for limitation of frequency response at extreme ends.

Specifications: Acoustic suspension enclosure; speakers—8" l.f., 3 1/2" h.f.; power handling capacity 50 watts; LC with variable tweeter level control crossover network; impedance 8 ohms; sensitivity (watts input for



+85-db level 10 feet on axis) 0.75 watts; magnet weights: l.f., 6.8 oz.; h.f., 3.0 oz.; voice coil diameters: l.f., 1 1/2"; h.f., 3/4". Dimensions: 19" wide, 10" high, 9" deep; weight, 15 lb. 10 oz.; oiled walnut \$57.00; unfinished pine \$51.00. A17-1.

1. AR-3, mahogany or birch \$216.00
2. AR-2a, mahogany or birch \$122.00
3. AR-2, mahogany or birch \$96.00

ACOUSTICA

• **Table Lamp Speaker.** Electrostatic speaker in form of lamp shade with woofer in base of lamp. Electrostatic speaker, including fabric cover, is less than 1/4-in. thick.



Specifications: speakers—1 l.f., 1 h.f.; frequency response 40 to 25k cps; variety of decorator designs \$209.50 up. A17-2.

ALTEC

• **841A "Coronado."** The 841A "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. 12" woofer and a 3000 sectoral horn and driver with Mylar diaphragm. 40-22k cps frequency response, 20 watts maximum input power. Measures 30" H x 19" W x 14" D lined with Fiberglas. Walnut, \$204.00 A17-3.

1. 835B "Monterey, Jr." \$88.50
2. 836A "Lido" \$112.50



ARGOS

• **TX-12 Three-way Console Speaker System.** Oiled and hand-rubbed 3/4" American walnut cabinet, sturdy, gracefully curved metal legs, terminal strip marked for stereo phasing.

Specifications: ducted port enclosure; speakers 12" l.f., 8" m.f., 3 1/2" h.f.; power handling capacity 35 watts; N.P. capacitors crossover

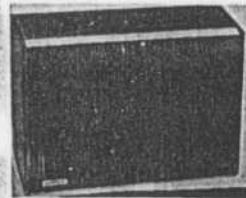


network; impedance 8 ohms; frequency response ± 7 db from 40 to 17k cps; magnet weights: l.f., 10 oz.; m.f., 2 oz.; h.f., 1.47 oz.; voice coil diameters: l.f., 1"; m.f., 1"; h.f., 9/16". Dimensions: 19" wide, 24" high, 5 1/2" deep; weight, 25 lb.; oiled walnut \$54.95. A17-4.

1. TX-12 2-way system \$29.95
2. TX-2 2-way system \$44.50
3. TX-4 3-way system \$79.95
4. TX-5 2-way system \$32.50
5. PHF-15 2-way system \$29.95

AMPEX

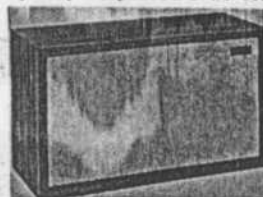
• **2010 Speaker System.** Designed to complement the Ampex 2000 series tape recorders, may also be used separately. Bookshelf (small) sized.



Specifications: speakers—8" l.f., 3" h.f.; 2000 cps crossover network; walnut \$79.00. A17-5.

ADC

• **325 Caprice.** Bookshelf two-way system. **Specifications:** sealed enclosure; speakers—6" l.f., 3" h.f.; power handling capacity 10-60 watts; L-C crossover network; impedance 8 ohms; frequency response ± 4 db from 45 to



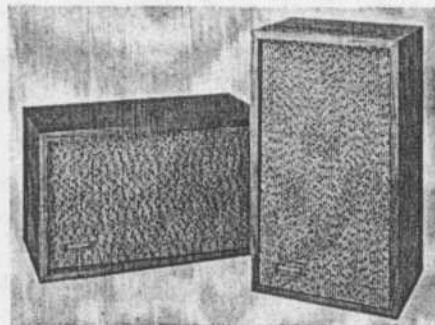
20k cps; Dimensions: 19" wide, 10 1/4" high, 8" deep; weight, 19 3/4 lb.; oiled walnut \$49.50. A17-6.

1. 303 Brentwood \$85.00

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., 3" 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"; m.f., 1/2"; fused to protect against overload. Dimensions: 14" wide, 24" high, 12" deep; weight, 35 lbs.; oiled walnut, \$129.00. A17-7.

1. JA-15 system \$250.00

BOZAK

• **B-302A Urban Speaker System.** Ideal for small listening rooms. Contains one 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 L.C. 6 db/octave at 800 and 2500



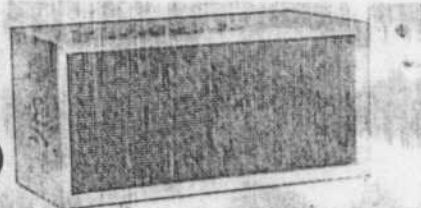
cps; impedance 8 ohms; freq. resp. ± 3 db from 40 to 20k cps; magnet weights: l.f., 24 oz.; m.f., 24 oz.; h.f., 16 oz.; voice coil diameters: l.f., 1 1/2"; m.f., 1 1/2"; h.f., 3/4". Dimensions: 24" wide, 30" high, 20" deep; weight, 80 lbs.; walnut, mahogany, \$254.50; French Provincial, cherry \$290.00; Italian Provincial \$278.00; Early American \$257.50. C-305U matching equipment cabinet \$185.00. A17-8.

1. B-305 Urban system \$397.50
2. B-305 Provincial system \$440.00
3. B-4000 system \$495.00

CABINART

• **Mark 3.** An extended range 8" loudspeaker system at low cost.

Specifications: bass reflex-horn enclosure; speakers—8" extended range; power handling capacity 10 watts; impedance 8 ohms; frequency response 50 to 19k cps; sensitivity (watts input for +85-db level 10 feet on axis) 1/4 watt; magnet weight: 6.8 oz.; voice coil

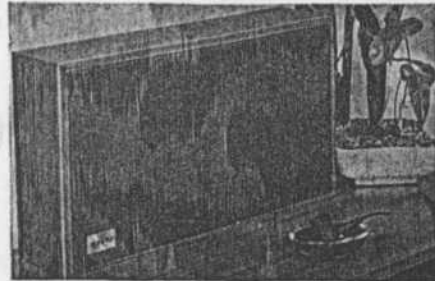


diameter: 1"; 3" whizzer cone, annulus surround, 65 cps resonant freq., free air. Dimensions: 23" wide, 11" high, 9 1/2" deep; weight, 26 lb.; unfinished birch \$19.50, walnut \$27.00. A17-9.

1. Mark 4 \$29.50

EICO

• **HFS-5 2-Way Speaker System.** 8" bellows-suspension woofer and a 3 1/2" closed-back tweeter. The enclosure is constructed of 3/4" stock and is tuned to 45 cps by a tubular ducted port. System Q of 1/2.

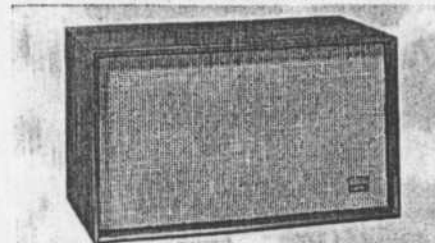


Specifications: ducted-port reflex; speakers 8" l.f., 3 1/2" h.f.; power handling capacity 25 watts; crossover network-bridging capacitor and h.f. level control; impedance 16 ohms; frequency response ± 5 db from 52 to 14k cps; magnet weight: l.f., 10.7 oz.; h.f., 1.47 oz.; voice coil diameters: l.f., 2"; h.f., 1/2"; dimensions: 12 1/2" wide, 24" high, 10" deep; oiled walnut \$59.95 kit, assembled \$89.95. A17-10.

ELECTRO-VOICE

• **E-V Four, 3-Way Acoustic Suspension System.** 12" ceramic-magnet woofer, new compression driver and diffraction horn combination utilizing ring-type diaphragm for mid-range, 5" dynamic cone tweeter, three-way etched circuit board crossover with crossover frequencies at 800 and 3500 cps. Two step-type level controls.

Specifications: sealed enclosure; speakers—12" l.f., compression horn m.f., 5" cone h.f.;



power handling capacity 60 watts; etched circuit, 3-way electrical crossover network; impedance 8 ohms; frequency response—30 to 20k cps; sensitivity (watts input for +85-db level 10 feet on axis) 1 watt; magnet weights: l.f., 1 lb. 6 oz. ceramic; m.f., 3.16 oz. Alnico V; h.f., 6.8 oz. Alnico V; voice coil diameters: l.f., 2"; m.f., 1"; h.f., 1"; enclosure liberally padded with acoustic damping material. Dimensions: 25" wide, 14" high, 13 1/2" deep; weight, 45 lb.; oiled walnut \$145.00; mahogany \$145.00; unfinished \$130.00. A17-11.

1. E-V One \$103.00
2. E-V Two \$115.00
3. E-V Six \$290.00
4. Marquis 300 \$240.00

EMI

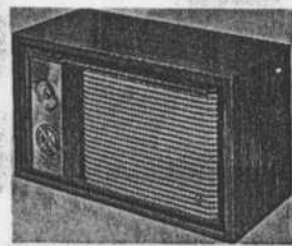
• **812 Two-Way System.** 3/4" excursion in woofer, high compliance cloth edge, high-compliance tweeter, double-wound high-efficiency voice coils.



Specifications: infinite baffle enclosure; speakers—6 1/2" l.f., 4" h.f.; power handling capacity 15 watts; L-C crossover network; impedance 8 ohms; frequency response ± 3 db from 50 to 12k cps; magnet weights: l.f., 10 oz.; h.f., 5 oz.; voice coil diameters: l.f., 1"; h.f., 9/16". Dimensions: 10 1/2" wide, 14 1/2" high, 8" deep; weight, 14 lbs.; walnut (oiled) \$49.95. A17-12.

EMPIRE

• **8000 Grenadier Divergent Lens Speaker System.** Combination front and rear loaded low-frequency horn.

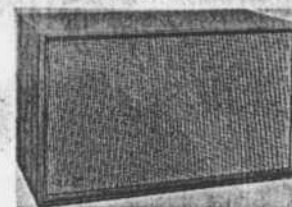


Specifications: Cylindrical enclosure; speakers—12" l.f., direct radiator m.f., dome h.f.; power handling capacity 100 watts; LC (12-db) crossover network; impedance 8 ohms; frequency response ± 3 db from 30 to 30k cps; sensitivity (watts input for +85-db level 10 feet on axis) 1.2 watts at 1 kc; magnet weights: l.f., 9 lbs.; m.f., 2 1/2 lbs.; h.f., 1 lb.; voice coil diameters: l.f., 4"; m.f., 2 3/4"; h.f., 1"; die cast wide angle acoustic lens for mid & hi frequency direct radiators. Dimensions: 15 1/4" dia., 29" high; weight, 65 lbs.; satin walnut \$180.00. A17-13.

1. 8200 Grenadier walnut \$180.00

FISHER

• **XP-4A Speaker System.** Eddy-current damping, no woofer basket (achieved by utilizing the walls of the cabinet as the supporting structure for the speaker).



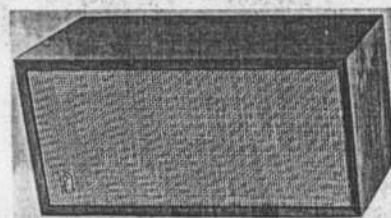
Specifications: infinite baffle enclosure; speakers—12" l.f., (2) 5" m.f., 2" dome h.f.; power handling capacity 60 watts; L-C air-core coils crossover network; impedance 8 ohms; frequency response 28 to 20k cps; voice coil diameter: l.f., 2"; eddy-current damping of woofer, hemispherical tweeter. Dimensions: 24.5" by 14" by 12" deep; weight, 60 lbs.; Scandinavian walnut, mahogany, cherry \$199.50; unstained birch \$189.50. A17-14.

1. XP-5 2-way bookshelf system ... \$ 54.50
2. XP-1A 3-way bookshelf system ... \$129.50
3. XP-2A 3-way bookshelf system ... \$ 84.50
4. KS-1A 3-way slim-line system \$ 89.50
5. KS-2A 3-way slim-line system \$119.50

FRAZIER

• **Corsair II Two-Way Speaker System.** Free air resonance of 10" woofer is 30 cps.

Specifications: speakers—10" l.f., horn h.f.; power handling capacity 20 watts; L-C 12 db/



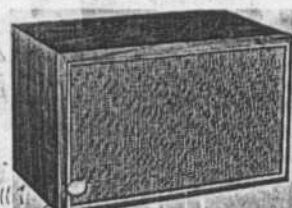
octave crossover network; impedance 8 ohms; frequency response 30 to 17k cps. Dimensions: 11 1/4" wide, 23 3/4" high, 11 1/4" deep; weight, 45 lb.; oil walnut \$129.95. A17-15.

1. Corsair 1 cone tweeter \$119.95

GOODMANS

• **Maximus III.** Features four woofers and two mid- and high-frequency speakers.

Specifications: speakers—4 l.f., 2 m.f. and h.f.; power handling capacity 60 watts; L-C



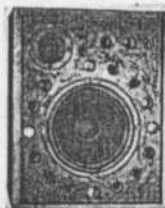
crossover network; impedance 8-16 ohms; frequency response 30 to 20k cps; magnet weight: l.f., 3.5 lb.; distortion less than 0.5%

from 150-20k cps. Dimensions: 18" wide, 12 1/4" high, 10" deep; walnut \$169.00. A17-16.

1. Maximus I one woofer \$ 59.50
2. Maximus II two woofers \$109.00

GRADO

• "Lab-Standard" Speaker System.
Specifications: modified reflex enclosure; power handling capacity 75 watts peak; im-



pedance 8 ohms; frequency response 25 to 20k cps; dimensions: 16" wide, 20" high, 10" deep; walnut \$150.00. A17-17.

1. Mini Lab \$49.50

HARTLEY-LUTH

• Holton Jr. 220MS. Walnut with cane grille and walnut panel front. Can be used horizontally or vertically. Finished on four sides. Cabinet acoustically treated with SoundSorber consisting of 35 square feet of acoustic materials. Cabinet corners splined and all interior joints cleated.

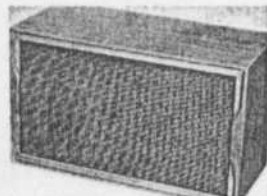
Specifications: infinite baffle enclosure; speakers—one full range; power handling capacity 25 watts; impedance 8 ohms; frequency response ± 3 db from 20 to 20k cps; magnet weight: 6 lbs. 1 oz.; voice coil diameter: 1"; magnetic suspension. Dimensions: 15" wide, 30" high, 13" deep; weight, 40 lbs.; oiled rubbed walnut. \$195.00. A17-18.

1. Holton Jr. w. 312 speaker \$155.00
2. Holton Jr. w. 310 speaker \$135.00
3. Capri w. 220MS speaker \$180.00
4. Capri w. 310 speaker \$130.00

HEATHKIT

• Model AS-10 Acoustic Suspension Speaker System. Takes only 10 watts to drive.

Specifications: infinite baffle enclosure; speakers—10" l.f., (2) 3 1/2" h.f.; power handling capacity 40 watts; L-C crossover network; impedance 16 ohms; frequency response ± 5 db from 30 to 15k cps; magnet



weights: l.f., 16 oz.; h.f., 1.47 oz.; voice coil diameters: l.f., 1 1/2"; h.f., 1". Dimensions: 24" wide, 13 1/2" high, 11 1/2" deep; weight, 28 lbs.; walnut \$64.95; unfinished birch \$59.95. A17-19.

1. AS-2AU & AS-2AW acoustic susp. sys wal \$96.50
2. AS-51 2-way sys wal \$46.95
3. AS-22U & AS-22W "Profile" 3-way sys wal \$54.95
4. AS-193U & AS-193W 2-way sys wal \$24.95
5. AS-81U & AS-81W 2-way sys wal .. \$19.95

JENSEN

• PR-150W. Low-resonance, high-compliance system using acoustic suspension principle and aspheric dome midrange and high-frequency radiator. New type of annulus on 12" woofer permits long, linear excursion.

Specifications: sealed enclosure; speakers—1 l.f., 1 h.f.; power handling capacity 35 watts; LRC with 2 lb. copper coils crossover network; impedance 8 ohms; frequency response ± 5 db from 25 to 20k cps; magnet weights: l.f., 27 oz.; h.f., 16 oz.; voice coil diameters: l.f., 1 1/2"; h.f., 1 1/2"; other features mid-high range covered by MIL-400 dome radiator (aspheric). Dimensions: 25" wide, 14" high, 11 1/2" deep; weight, 45 lbs.; walnut \$119.50; unfinished \$99.50. A17-20.

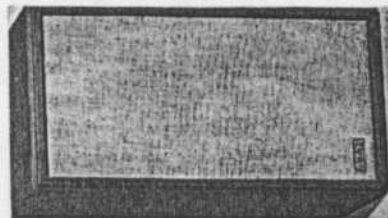
1. PR-50W 2-way system \$ 69.50
2. TF-3W 3-way system \$109.50
3. TF-4W 4-way system \$129.50
4. X-20 compact 2-way system \$ 49.50

KLH

• Model Seventeen Acoustic Suspension Loud-

speaker System. Two-way system of medium efficiency that may be used with amplifiers of 10 watts or larger.

Specifications: speakers—10" l.f., 1 1/4" h.f.; power handling capacity 10-60 watts music; R-C-L crossover with adjustable h.f. level; im-



pedance 8 ohms. Dimensions: 11 13/16" wide, 25 1/4" high, 8 3/4" deep; weight, 28 lbs.; oiled walnut \$69.95. A17-21.

1. Model Four acous susp 3-spkr sys \$ 231.00
2. Model Six acous susp 2-way sys .. \$ 134.00
3. Model Seven acous susp 3-spkr sys \$ 203.00
4. Model Nine electrostatic \$1140.00
5. Model Fourteen compact 2-spkr sys \$ 49.50

KLIPSCH

• Model H. Hervey. Horn loaded from 1 ke upwards. Total enclosure controls bass diaphragm motion for minimal bass distortion.

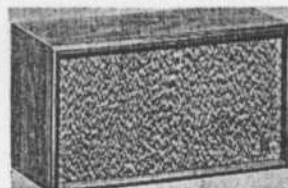
Specifications: speakers—encl. l.f., horn m.f., horn h.f.; power handling capacity 40 watts; three-way balancing crossover net-



work; impedance 16 ohms; frequency response ± 5 db from 60 to 18k cps; sensitivity (watts input for +85-db level 10 feet on axis) 1.0 watts. Dimensions: 21 1/2" wide, 15 1/2" high, 11 1/2" deep; weight, 45 lbs.; oiled walnut, satin walnut, mahoz., maple \$221.00; theatre black \$188.00. A17-22.

KNIGHT

• KN-2350, Three-Way Bookshelf.
Specifications: sealed enclosure; speakers—12" l.f., dome m.f., dome h.f.; power handling

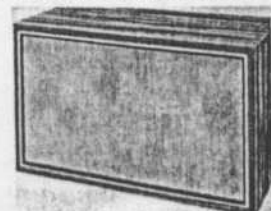


capacity 50 (music) watts; LC with 2 lb. air core coils crossover network; impedance 8 ohms; frequency response 15 to 21k cps; magnet weights: l.f., 27 oz.; m.f., 16 oz.; h.f., 4.6 oz. A17-23.

LAFAYETTE

• SK-275 "Decor-ette III" Bookshelf System. Polyfoam woofer, closed back midrange, cane-type sealed-back super tweeter. Tube-type duct.

Specifications: reflex enclosure; speakers—12" l.f., 6" m.f., 3 1/2" h.f.; power handling capacity 25 watts rms; 2000 and 5000 cps



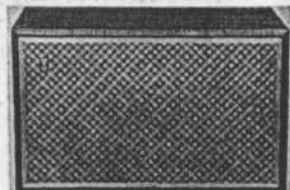
crossover networks; impedance 8 ohms; frequency response 30 to 30k cps; magnet weights: l.f., 16 oz.; finished on 4 sides. Dimensions: 24" wide, 14" high, 12" deep; weight, 30 lbs.; oiled walnut veneer \$70.95. A17-24.

1. SY-382WX "Elipto-Flex" sys \$64.50
2. SK-270WX 5-spkr, 3-way thinline .. \$59.95

3. SK-300WX "Decor-ette V" 5-spkr thinline \$39.95
4. SK-236WX 3-way, 3-spkr thinline .. \$29.95
5. SK-265W 2-way, 2-spkr thinline .. \$19.50

JBL

• Lancer 99 "Bookshelf" System. Furnished as self-energized matched stereo pairs, requiring no power amplifier. Features new LE14A 14-inch "Linear Efficiency" woofer, small direct radiator tweeter, and crossover network with adjustable high-frequency attenuation. Distinctive grille is hand-carved wooden fretwork.



Specifications: ducted port enclosure; speakers—1 l.f., 1 h.f.; two-way with adjustable high-frequency attenuation crossover network; impedance 8 ohms; sensitivity (watts input for +85-db level 10 feet on axis) 1.65 watts; diameters: l.f., 4"; h.f., 5/8". Dimensions: 23 1/2" wide, 14" high, 12" deep; weight, 48 lbs.; tawny walnut, oiled walnut, dark mahogany, ebony A17-25.

1. Trimline 54 slim sys \$117.00
2. Lancer 33 bookshelf sys \$ 93.00
3. Lancer 77 bookshelf sys \$147.00
4. D53LE14C bookshelf \$198.00
5. D4855 Madison bookshelf \$198.00

LEAK

• "Piston Action Sandwich." Patented system.

Specifications: sealed enclosure; speakers—1 l.f., 1 h.f.; power handling capacity 50 watts; G-element half-section crossover net-



work; impedance 15 ohms; frequency response ± 2 db from 35 to 18.5k cps; sensitivity (watts input for +85-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. A17-26.

LEONHARDT

• LH-190 Speaker System. Cylindrical speaker system.

Specifications: power handling capacity 15 watts; impedance 8 ohms; frequency response



35 to 18k cps; dimensions: 10" dia., 24 1/2" high; weight, 10 lb.; cane, classic, contemporary \$85.00; oiled walnut (no metal trim) \$95.00. Accessories: chain hanger kit for suspending from ceiling \$12.50. A17-27.

1. LH-101 "Micro-Sonic" system \$34.95

NESHAMINY

• Model Z-600. Treble reproduced by a pair of JansZen Series 130 electrostatic mid/high range radiators which have been matched to within ± 1 db. Each electrostatic radiator contains 176 push-pull sheathed conductors.

Specifications: sealed enclosure; power handling capacity 100 watts; built-in high-



pass filter; impedance 8 ohms; frequency response ± 3 db from 30 to 22k cps; magnet weight: 18 oz l.f.; voice coil diameter: l.f., 1.3"; woofer covers 30 to 2000 cps, electrostatic radiators cover 1500-30k cps. Dimensions: 20" wide, 26 3/4" high, 13" deep; weight, 50 lbs.; oiled walnut \$195.00. A17-28.

1. Z-400 \$159.50
2. Z-500 \$134.95

RADFORD

• "S. L. S" Studio Loudspeaker. Utilizes matched acoustic transmission line for deep bass, response characteristic in mid and high frequencies integrated with "white noise" techniques. Cabinets complex, built of kiln dried solid Afrormosia, 1" thick, sealed and coated with polyurethane primer.

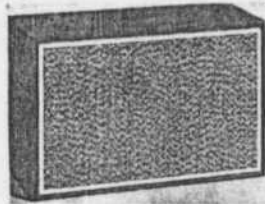
Specifications: acoustic trans. line enclosure; speakers—1 l.f., 2 h.f.; power handling capacity 30 watts; half section, adjusted on white noise, crossover network; impedance 16 ohms; frequency response ± 2 db from 30 to 17k cps; magnet weights: l.f., 80 oz.; h.f., 20 oz.; voice coil diameters: l.f., 4"; h.f., 1"; other features "line source" high units, for proper stereo effect. Dimensions: 17 1/4" wide, 35" high, 15" deep; weight, 60 lbs.; waxed walnut \$300.00. A17-29.

1. B.L.S. bookshelf speaker \$150.00

SCOTT

• N-5 Two-Way Miniature Loudspeaker System. The new S-5 measures only 10 inches by 16 x 6 3/4 inches is a most remarkable speaker system.

Specifications: speakers—1 l.f., 1 h.f.; power handling capacity 25 watts; L-C 6 db/octave



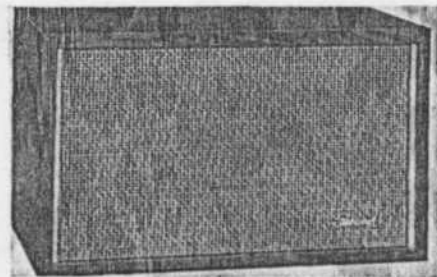
crossover network; impedance 8 ohms; frequency response ± 5 db from 60 to 15k cps; magnet weights: l.f., 6.8 oz.; h.f., 2.5 oz.; voice coil diameters: l.f., 3/4"; h.f., 1/2"; tweeter level control. Dimensions: 10" wide, 16" high, 6 3/4" deep; price: less than \$60.00. A17-30.

1. S-2 3-way system
2. S-3 3-way system

SHERWOOD

• SR3 Racina 3-way Speaker System. One-inch thick rosin-filled flakeboard speaker baffle and front to back reinforcement, shallow ring-radiator tweeters.

Specifications: sealed enclosure; speakers—12" l.f., 8" m.f., 3 1/2" h.f.; power handling capacity 60 watts; 12 db/octave at 600 cps and 3500 cps crossover networks; impedance 8



ohms; frequency response ± 2.5 db from 48 to 17.5k cps; magnet weights: l.f., 1.66 lb.; m.f., 6.8 oz.; h.f., 9.0 oz.; voice coil diameters: l.f., 1.5"; m.f., 1"; other features: 21 cps free air resonance woofer. Dimensions: 15" wide, 26 1/4" high, 13 1/4" deep; weight, 55 lbs.; walnut \$139.50; birch unfinished \$129.50; blk.

lac. \$119.50. Accessories Model RL console-lette legs \$19.95. A17-31.

1. SR2W Berkshire 3-way system \$99.50
2. SR1W Newport 2-way system \$84.50

SONOTONE

• SE-80 "Scarsdale" speaker system. Non-resonant panels, lock-miter joints, special venting techniques.

Specifications: vented enclosure; speakers—8" wide range; power handling capacity 20 watts; mechanical crossover; impedance 8

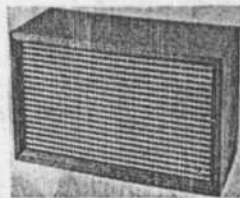


ohms; frequency response 45 to 20k cps sensitivity (watts input for +85-db level 10 feet on axis) 1.1 watts; magnet weights: 8 oz.; voice coil diameter: 1"; other features: carefully-matched coaxially-mounted high-frequency radiator. Dimensions: 17 1/2" wide, 24" high, 11" deep; weight 27 lb.; oiled walnut \$39.75. A17-32.

1. SE-880 "Beverly Hills" dual 8" system \$54.75

TANDBERG

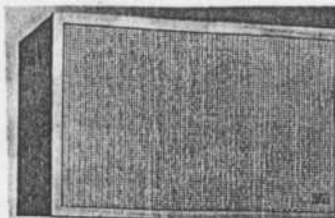
• CX-266. Contains an X165B coaxial speaker. Dimensions: 13 1/4" wide, 22" high, 10" deep; teak \$89.50. A17-33.



UNIVERSITY

• Senior 11. RRL tuned cabinet matched to specially developed University components.

Specifications: ducted bass reflex enclosure; speakers—1 l.f., 1 m.f., 1 h.f.; power handling capacity 30 watts; impedance 8 ohms; frequency response ± 2 db from 30 to 22k cps.



Dimensions: 25" wide, 15 1/2" high, 12 1/4" deep; weight, 44 lbs.; oiled walnut \$99.50; unfinished \$89.50. A17-35.

1. Medallion monitor wal \$129.95
2. Companion wal \$79.50
3. Mini-Flies wal \$69.95
4. Tri-Planar wal \$79.95
5. Companionette wal \$69.95

UTAH

• Heritage III (HS3-W). Eight speakers in a ducted port enclosure. Reflex port extends across the total width of the cabinet and vents toward the floor. Each mid-range speaker and



each tweeter is mounted in its own housing to eliminate interaction. The mid-range speakers are sererately "tuned" (by use of different voice coil diameters) for complementary response curves. The same technique is used in the tweeter construction.

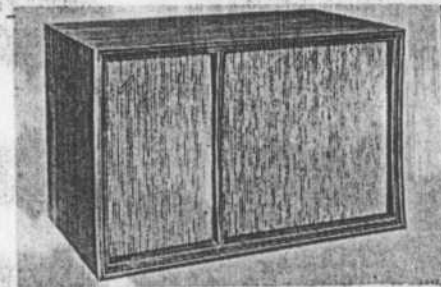
Specifications: ducted port enclosure; speakers—(2) 12" l.f., (2) 8" m.f., (4) 5" h.f.; power handling capacity 80 watts; (2) L-C crossover network; impedance 8 ohms; frequency response 20 to 20k cps; sensitivity (watts input for +85-db level 10 feet on axis) 0.05 watts; magnet weights: l.f., 2 lb.; m.f., 6.8 oz.; h.f., 3.16 oz.; voice coil diameters: l.f., 2"; m.f., 1"; h.f., 3/4". Dimensions: 33" wide, 26" high, 18 3/4" deep; weight 110 lb.; walnut \$109.00. A17-36.

1. HS 1 Heritage I 3-spkr bookshelf .. \$79.95
2. HS 2 Heritage II 4-spkr. console .. \$139.90
3. Pro sealed bookshelf \$99.50

WHARFEDALE

• W60 Achromatic Full-Range 2-speaker System and Sand-filled Enclosure. The original Achromatic unit.

Specifications: Sand-filled ported duct enclosure; speakers—12 1/2" l.f.; 5" m.f. and h.f.; 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 1/4 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.; oiled or polished walnut \$122.50; utility model sanded birch \$106.50. Accessories B07 Universal Mounting Base in oiled or pol. walnut \$10.50; in sanded birch \$9.50. A17-37.

1. W40 2-spkr sys, wal \$83.50
2. W70 3-sys, wal \$172.50
3. W90 dual 2-way (6 spkr) sys, wal \$272.50

A18. TAPE RECORDERS

AMPEX

• 2000 Series Tape Recorders. Automatic threading and reversing mechanism. Cast aluminum chassis, hysteresis-synchronous motor. These models are all similar mechanically but offer different outputs and housed in different cases. Model 2050 is a deck.

Specifications: Speeds—7 1/2, 3 3/4, 1 1/2 ips; heads—(3) 1/4-track; records 4-track stereo, 4-track mono; plays 4-track stereo, full or half



track mono; reel size 7"; 1 motor; timing accuracy 00.07%; freq. resp.—7 1/2 ips, ± 2 db from 30 to 18k cps; 3 3/4 ips, ± 3 db from 40 to 12k cps; 1 1/2 ips, ± 3 db from 40 to 6k cps; signal-to-noise ratio, 52 db; wow and flutter, 0.8% at 7 1/2 ips, 0.12% at 3 3/4 ips; rewind time, 1200-ft. reel, 115 sec. Inputs—2 microphone, 2 high level; amplifier outputs—2, high impedance. Price, less than \$430.00. A18-1.

1. Model 2070, same deck w. 28-w pwr amps, port case, mic \$499.00
2. Model 2080, same as 2050, wal base, dust cover \$469.00
3. Model 1050, same as 2050, manual threading and reversing \$349.00
4. Model 1070, same as 2070, manual threading and reversing \$399.00
5. Model 1080 same as 2080, manual threading and revcrs.ng \$369.00