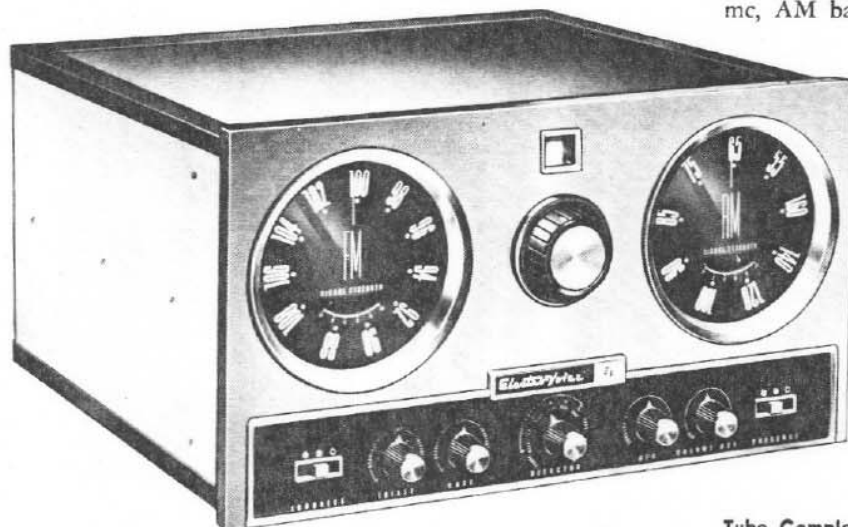


Electro-Voice®

NEW

MODEL 3303 AM-FM TUNER AND MUSIC CONTROL CENTER

This new tuner, incorporating all deluxe features, includes single toggle-type tuning knob for simple shift from AM tuner to FM tuner and automatic switching of tuner outputs. Separate AM and FM tuners feed two program outlets permitting two different programs to be received at same time for connection to amplifiers and speakers in different locations. Ideal for binaural broadcasts. New, perfected *Acramute* Squelch Circuit. Covers FM band 88-108 mc, AM band 540 - 1700 kc.



Control panel features *Playing Selector*, providing five input positions with four chassis level controls for tuner, tape, TV, Auxiliary and phono. Tuner power supply energized only in tuner position. Also has six record equalization positions. *Rear chassis phono-switch* provides selection for magnetic type or amplitude type pickups (Ultra-Linear Ceramic, strain-sensitive or capacitive cartridges). *Loudness switch* provides three contours. Exclusive, new *Presence switch* has three positions: near, medium and flat.

Bass control +20 to -15 db at 50 cps; *Treble Control* +15 to -20 db at 10 kc. *Volume Control*. Two chassis hum adjustments. Output is cathode follower. Special record output for tape recorder is 50 K.

Tube Complement: *FM Section*. One RF Cascode Amplifier 6BK7A, One Converter 6U8, One AFC Reactance 6J6, Two IF Amplifiers 6BA6, Two Limiters 6AU6, One Discriminator 6AL5, One Audio Stage and Squelch 12AT7, One Tuning Eye 6AL7.

AM Section: One RF Amplifier 6BA6, One Converter 6BE6, One IF Amplifier 6AU6, One Detector and Audio Amplifier 12AT7.

Preamplifier Section: One Magnetic Preamplifier Stage ETAX7, One Amplifier — Cathode Follower 12AX7, One Amplifier 12AX7.

In Power Supplies: One 5Y3GT, One 6X4.

Performance Specifications FM Section:

Sensitivity 1 microvolt for 20 db quieting, IF Bandwidth 200 kc to 6 db down points. Discriminator is Foster-Seeley Circuit, 200 kc linear portion. AFC is continuously variable. Meter indicates relative signal strength and tuning eye functions as tuning indicator in discriminator circuit. New, audio squelch circuit effective on 15 microvolt signal.

Squelch "off" position provided on front panel for weak station reception. Drift: 20 kc maximum in eight hours with AFC "off", no drift with AFC on. *Binaural* jack at 8000 ohms impedance on rear chassis allows cable length up to 25 feet without high frequency losses. Signal on this jack does not go through preamp.

AM Section: Sensitivity 5 microvolts for 2 V AVC. IF Bandwidth 11 kc at 6 db down points. Meter indicates relative signal strength. 8000 ohms impedance *binaural jack* on rear of chassis; does not feed through preamplifier. 10 kc whistle filter.

Both tuners are fed from common power supply on chassis; energized only in "Tuner" position of selector switch. Preamp section has separate power supply.

Total number of tubes is 19. Finished in beautiful baked enamel decorator's mocha brown with black escutcheon and brushed brass trim. Chassis is brushed brass with dark mocha ventilating cover. Custom knobs with brass inserts. Output is 1.25 V suitable for use with Electro-Voice A15, A20, A30, A50, A100 amplifiers (use two for binaural) or any other quality amplifier. Add matching PC1 for complete binaural tone control on *both* channels.

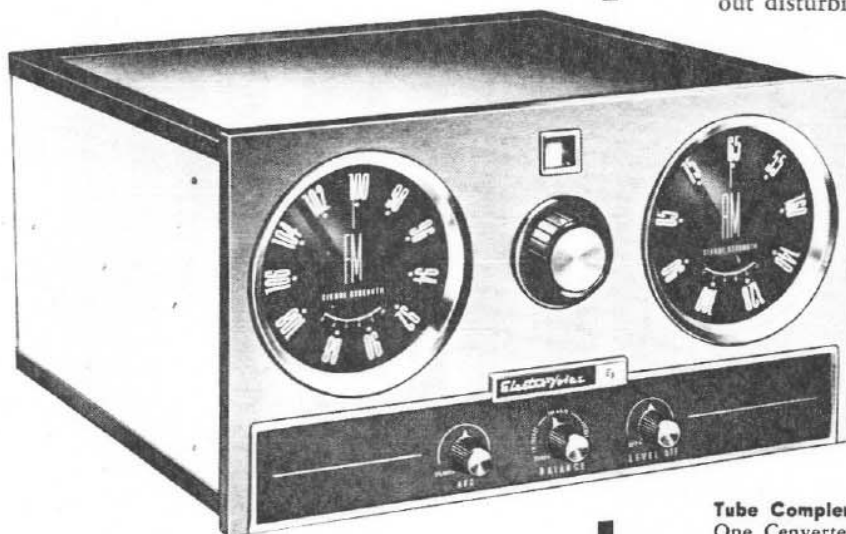
8 in. high 15 in. wide, 14½ in. deep. Net weight, 31 lb, shipping weight, 40 lb.

Price, Net **\$219.50***

Price than

Electro-Voice®

NEW



MODEL 3304 AM-FM DUAL TUNER SET

This new Electro-Voice AM-FM combination employs dual tuners with simplified control. Designed for use with separate preamps and power amplifiers such as Electro-Voice PC1, PC2, A15, A20, A30, A50 and A100; same with complete amplifiers A15CL and A20CL. Also can be used with two each of the above for binaural. Preamps or complete amplifiers can stack to equal tuner height. Single tuning knob shift smoothly from AM to FM without disturbing prior dial setting. Tuners feed two separate program outlets for binaural reception, or for two different programs in separated locations.

Exclusive control features on panel are special, new *Equa-Son Balance Control* which allows magic-eye to regulate perfectly AM level to FM level with one knob, assuring same energy from each tuner for proper binaural listening. Single volume control activates *both* tuners for utmost simplicity of operation and automatic maintenance of equal levels.

Perfected ACRAMUTE Squelch Circuit gives complete silence between FM stations without displeasing static bursts as station locks in; has off position for tuning weak stations.

Tube Complement: FM Section. One HF Cascode Amplifier 6BK7A, One Converter 6U8, One AFC Reactance 6J6, Two IF Amplifiers 6BA6, Two Limiters 6AU6, One Discriminator 6AL5, One Audio Stage and Squelch 12AT7, One Tuning Eye 6AL7.

AM Section: One RF Amplifier 6BA6, One Converter 6BE6, One IF Amplifier 6AU6, One Detector and Audio Amplifier 12AT7.

In Power Supplies: One 5Y3GT, One 6X4.

Performance Specifications FM Section:

Sensitivity 1 microvolt for 20 db quieting, IF Bandwidth 200 kc to 6 db down points. Discriminator is Foster-Seeley Circuit, 200 kc linear portion. AFC is continuously variable. Meter indicates relative signal strength and tuning eye functions as tuning indicator in discriminator circuit. New, audio squelch circuit effective on 15 microvolt signal.

Squelch "off" position provided on front panel for weak station reception. Drift: 20 kc maximum in eight hours with AFC "off", no drift with AFC on. *Binaural jack* at 8000 ohms impedance on rear chassis allows cable length up to 25 feet without high frequency losses.

Performance Specifications AM Section:

Sensitivity 5 microvolts for 2 V AVC. IF bandwidth 11 kc at 6 db down points. Meter indicates relative signal strength. 8000 ohms impedance *binaural jack* on rear of chassis; does not need through preamplifier. 10 kc whistle filter.

Total number of tubes is 16. Finished in beautiful baked enamel in mocha brown with black escutcheon and brushed brass trim. Chassis is brushed brass with dark mocha ventilating cover. Custom knobs with brass inserts. Output is 1.25 volts from each tuner. Can be used with dual preamp-equalizers such as Electro-Voice PC1 and PC2, or complete amplifiers with controls Models A15CL and A20CL. With PC1 and PC2 control-sets, line amplifiers A15, A20, A30, A50 or A100 can be employed.

Size 8 in. high, 15 in. wide and 14½ in. deep. Net weight, 30 lb, shipping weight, 38 lb.

Price, Net **\$139.50***

NOTE: Advanced specifications presented in this Rier are based on laboratory tests of pilot models. Firm specifications will be available soon.

*Tentative.

a. choice than