

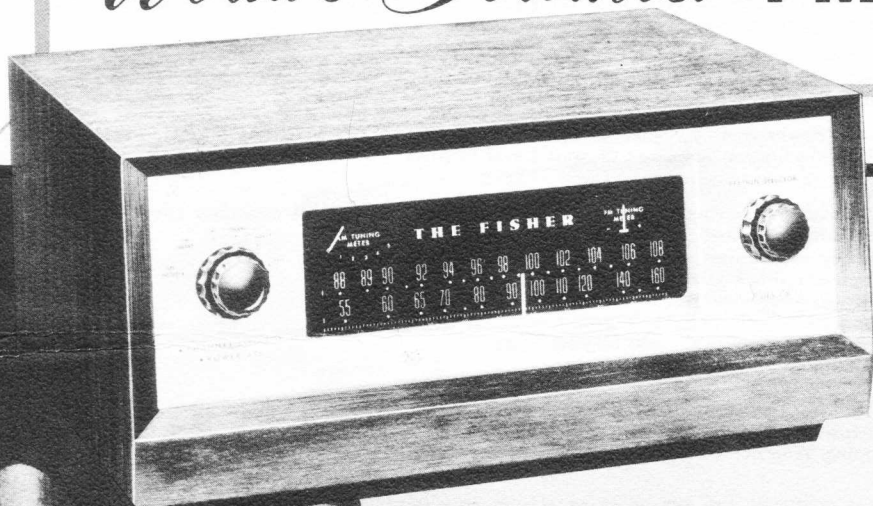
THE FISHER



MODEL 80-R

MODEL 80-T

World's Foremost **FM-AM** *Tuners*



MODEL 80-R
FOR USE WITH EXTERNAL CONTROL CHASSIS



MODEL 80-T
INCLUDES COMPLETE CONTROL FACILITIES

FISHER RADIO CORPORATION • NEW YORK

THE FISHER FM-AM TUNERS

THE FISHER FM-AM Tuners enjoy an unparalleled reputation as the unquestioned leader in the field. The roster of professionals using THE FISHER includes the names of some of the most outstanding organizations in the research, broadcasting, and educational fields. THE FISHER provides a level of performance that far exceeds even *their*

most critical specifications. These same high standards of performance, together with the uncompromising quality of workmanship for which THE FISHER is famous, are available to *you*, for use in your own home. America's first FM-AM tuners with *two* meters — just one of the many unique features you will find listed below.

MODEL 80-R

FM SECTION

- Professional, micro-accurate tuning meter.
- Dual antenna inputs: 72-ohm and *exclusive* 300-ohm balanced.
- Separate front end for FM: cascode tuned RF stage, for maximum signal-to-noise ratio.
- Two IF stages followed by 2 cascaded limiters and a Foster-Seeley Discriminator: a genuine Armstrong System, universally recognized as the ultimate in FM.
- Adjustable Automatic Frequency Control on front panel.
- SENSITIVITY: Full limiting on signals as low as 1 uv. On 72-ohm antenna input, 1½ uv for 20 db of quieting, 2½ uv for 30 db of quieting. On 300-ohm input, 3 uv for 20 db of quieting.
- FREQUENCY RESPONSE: ±0.5 db, 20 to 20,000 cycles.

AM SECTION

- Professional, micro-accurate tuning meter.
- Dual antenna inputs for loop or external antenna.
- Separate front end for AM: one tuned RF stage.
- Two adjustable band-width IF stages.
- 10 kc whistle filter.
- SENSITIVITY: Less than 1 uv for full output.
- FREQUENCY RESPONSE: In broad-tuning position: ±2 db to 6000 (–3 db at 7000) cycles. In sharp-tuning position: –6 db at 6000 cycles.

AUDIO SECTION

- Three high impedance inputs direct to cathode follower.
- FREQUENCY RESPONSE: ±0.5 db, 20 to 20,000 cycles.
- Cathode follower output permits leads up to 200 feet.

CONTROLS

- Variable AFC/Power Switch; Selector Switch (AM BROAD, AM SHARP, FM, PHONO, AUX 1, AUX 2); Station Selector; Output Level Control.

GENERAL FEATURES

- Self-powered.
- Completely shielded construction, including bottom plate and variable capacitor cover.
- Six-gang variable capacitor.
- Flywheel tuning mechanism, with anti-backlash gear.
- Chassis completely shock-mounted.
- Attractive brushed-brass control panel.
- AM Loop and FM dipole antenna supplied.
- Edge-lighted dial glass with 0 - 100 logging scale.
- Cabinet available in Blonde or Mahogany.

TUBE COMPLEMENT

PHYSICAL DATA

- Total of 13: 2-6BQ7A; 1-6CB6; 1-6BE6; 2-6BJ6; 2-6U8; 1-6AU6; 1-6AL5; 2-6C4; 1-6X4.
- Overall dimensions: 12¾" wide, 8¾" deep, 4" high. Allow an additional 1" depth for control knobs. Shipping Weight: 16 pounds.

MODEL 80-T

FM AND AM SECTIONS ARE THE SAME AS MODEL 80-R DESCRIBED ABOVE, BUT INCLUDES, ON A SEPARATE INTERLOCKED CHASSIS, COMPLETE PROFESSIONAL CONTROL FACILITIES

AUDIO SECTION

- *Exclusive*, separate tape head playback preamplifier, equalized to the NARTB characteristic.
- Preamplifier-Equalizer consists of two cascaded triode stages, and has adequate gain for even the lowest level magnetic pickup.
- Full choice of six record equalization settings.
- Variable Crossover-type Bass and Treble Tone Controls afford up to 15 db of boost and cut at 50 and 10,000 cycles respectively.
- FREQUENCY RESPONSE: ±0.5 db, 20 to 20,000 cycles.
- DISTORTION: Less than .04% for 1 volt output, 0.5% for 5 volts output.
- HUM LEVEL: On radio, better than 72 db below 2 volts with Volume Control at maximum, *non-measurable* with Volume Control at minimum. On phono, better than 60 db below output with 10mv input signal.
- Two outputs: low impedance cathode follower type; one before Tone and Volume Controls for recorder, plus 1 main output for connection to power amplifier. Cable lengths can be up to 100 ft.

GENERAL FEATURES

- Self-powered, with DC supply for all audio tube filaments.
- Complete shock-mounting for both tuner and audio chassis.
- Two AC power outlets at rear of audio chassis.
- Cabinet available in Blonde or Mahogany.

CONTROLS

- Bass Control; Treble Control; Equalization Selector Switch (EUR, AES, RIAA, LP, NAB, 78 and TAPE); Volume Control; Loudness Balance Control; AFC Control/Power Switch; Channel Selector (AM BROAD, AM SHARP, FM, PHONO, AUX 1, AUX 2); Station Selector.

TUBE COMPLEMENT

- Total of 16: 2-6BQ7A, 1-6BCB6, 1-6BE6, 1-6AU6, 1-6AL5, 2-12AX7, 2-6BJ6, 3-6C4, 2-6U8, 1-6X4.

PHYSICAL DATA

- Overall dimensions: 12¾" wide, 8¾" deep, 6" high. Allow an additional 1" depth for control knobs.
- Shipping weight: 21 pounds.

March 18th 1957