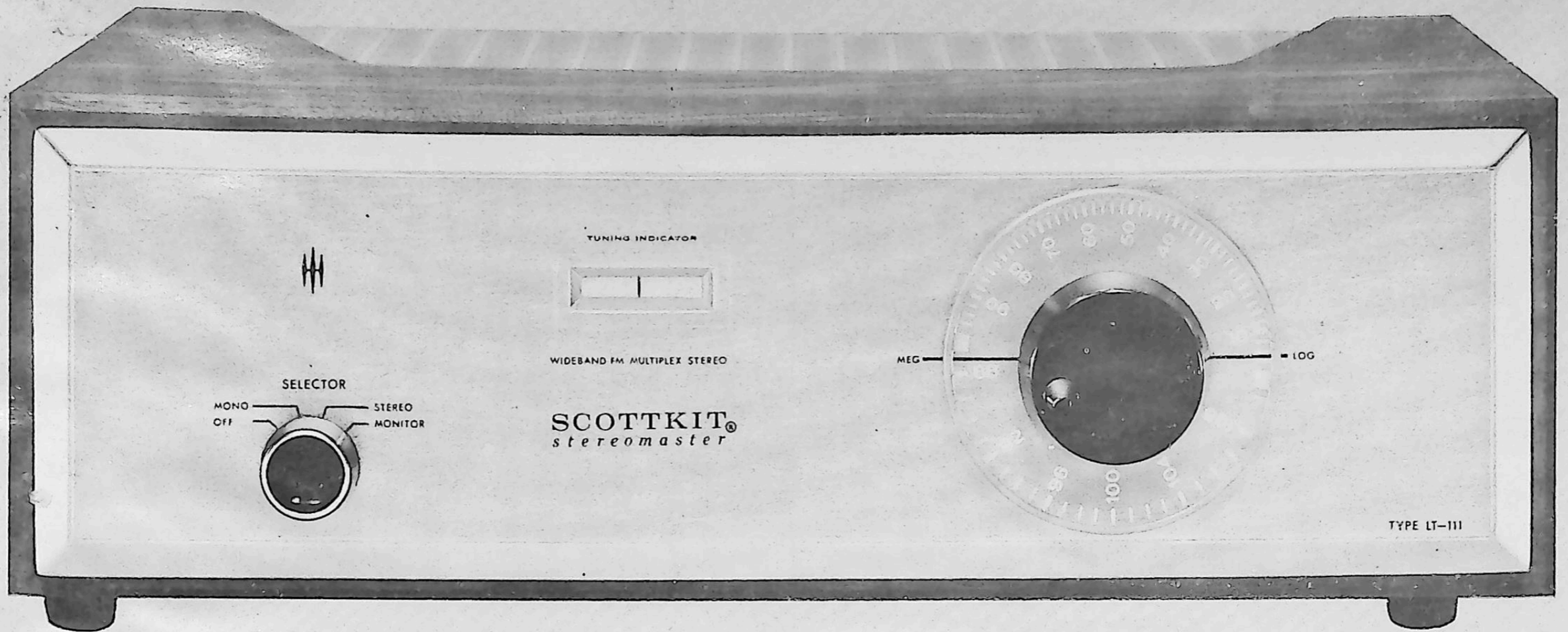


**SCOTT**  
WORLD'S LEADER IN  
AUDIO ENGINEERING

Personal Property of:

**VALUABLE SALES INFORMATION  
DO NOT DESTROY**

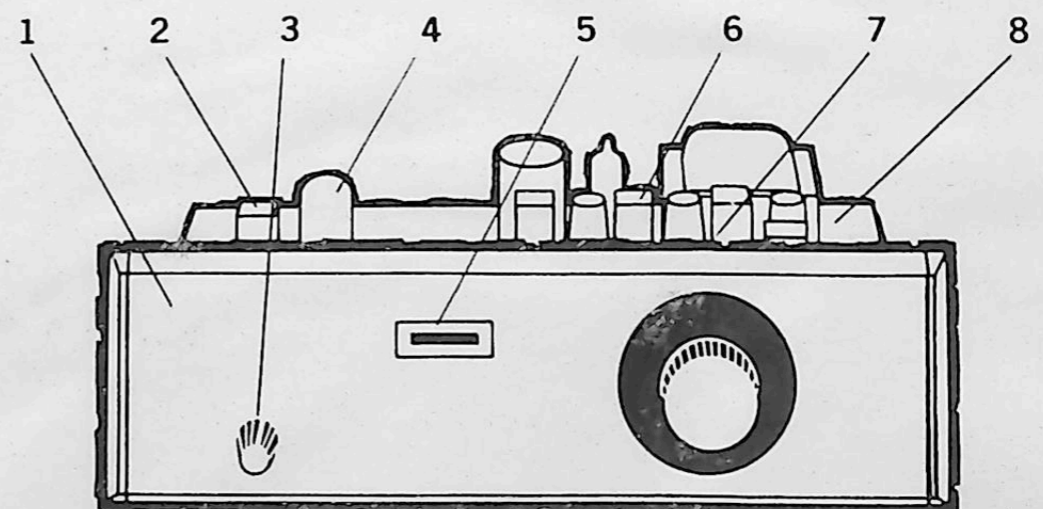


## LT-111 FM STEREO TUNER KIT

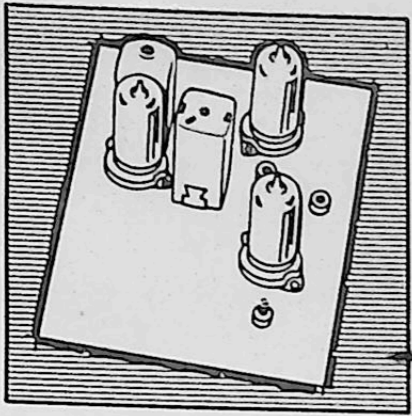
From the famous Scott engineering laboratories . . . an amazing low priced FM stereo tuner kit that performs like higher priced Scott units. All the exclusive Scott features you want and need are included: "Time-switching" multiplex circuitry, Wide-Band design, Sonic Monitor\* stereo indicator, precision tuning indicator. Scott engineers used new Space-Age compactron circuitry to assure perfect performance at a remarkably low price. Like all Scott kits, the new Model LT-111 comes

with an exclusive full-color instruction book to make construction absolutely foolproof. The high conductivity copper RF front end is pre-wired and aligned at the factory. All wires are pre-cut and stripped at the factory. Scott's amazing new Align-A-Scope lets you align each section of the tuner perfectly without special instruments. Here is a combination of fine performance, ease of assembly, and modest price guaranteed to make the LT-111 an ideal choice for the music lover on a budget.

1. New decorator styling. 2. "Time-Switching" multiplex. 3. Unique Sonic Monitor. 4. Space age Compactron Tubes. 5. Precision, illuminated tuning indicator. 6. Copper clad IF section. 7. Copper clad tuning section. 8. Non-magnetic electrolytic aluminum chassis.

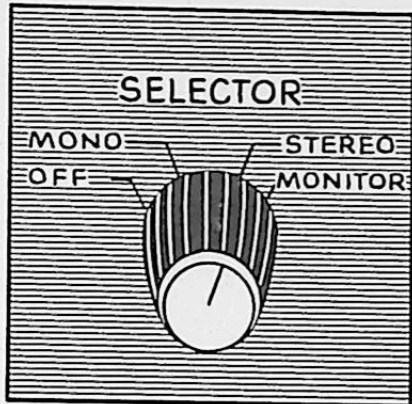
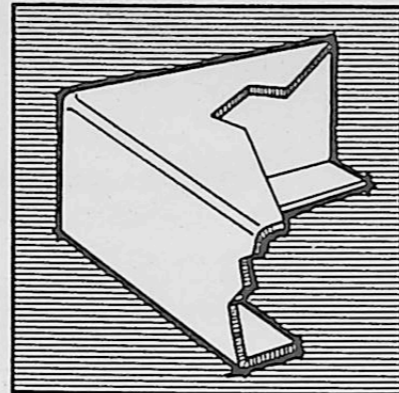


# UNIQUE FEATURES



"Time-Switching" Multiplex Circuitry provides full frequency response with extremely low distortion. Stereo separation far exceeds specifications established by Bell Telephone Laboratories.

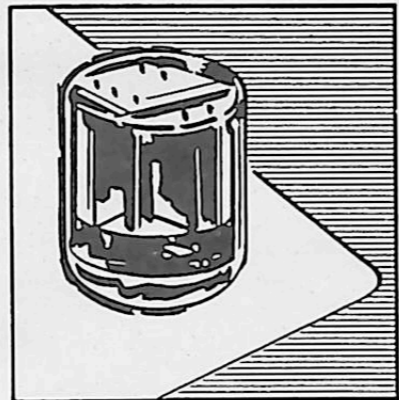
Aluminum chassis is copper clad around the IF strips, multiplex section, and front end to reduce circuit losses normally found with ordinary cadmium plated chassis.



Scott's unique Sonic Monitor\* provides a positive, reliable indication of FM stereo broadcasting. By tuning to the cleanest tone you automatically achieve best possible stereo separation.

\*Patent Pending

Space Age Compactron Tubes perform multiple functions in the same envelope allowing space saving and circuit saving economies without loss of performance.



# SPECIFICATIONS

Front Panel Features: Selector with these positions: Off, Mono, Stereo, Sonic Monitor. Vernier Tuning Dial with Pilot light. Tuning Indicator

Rear Panel Features: Audio Outputs: High — amplifier connections; Low — tape recorder

Tube and Diode Complement: 2 6AG11, 2 6AU6, 1 6HS6, 1 6HU6, 1 6M11, 1 6X4, 2 IN541 Diodes, 3 IN99 Diodes, 1 Silicon Rectifier.

Dimensions in accessory case: 15½" wide, 5¼" high, 13¼" deep.

Panel: 15" wide x 4¾" high. Depth behind panel: 11".

Choice of accessory cases: C (metal), CWW (walnut), CW (mahogany).

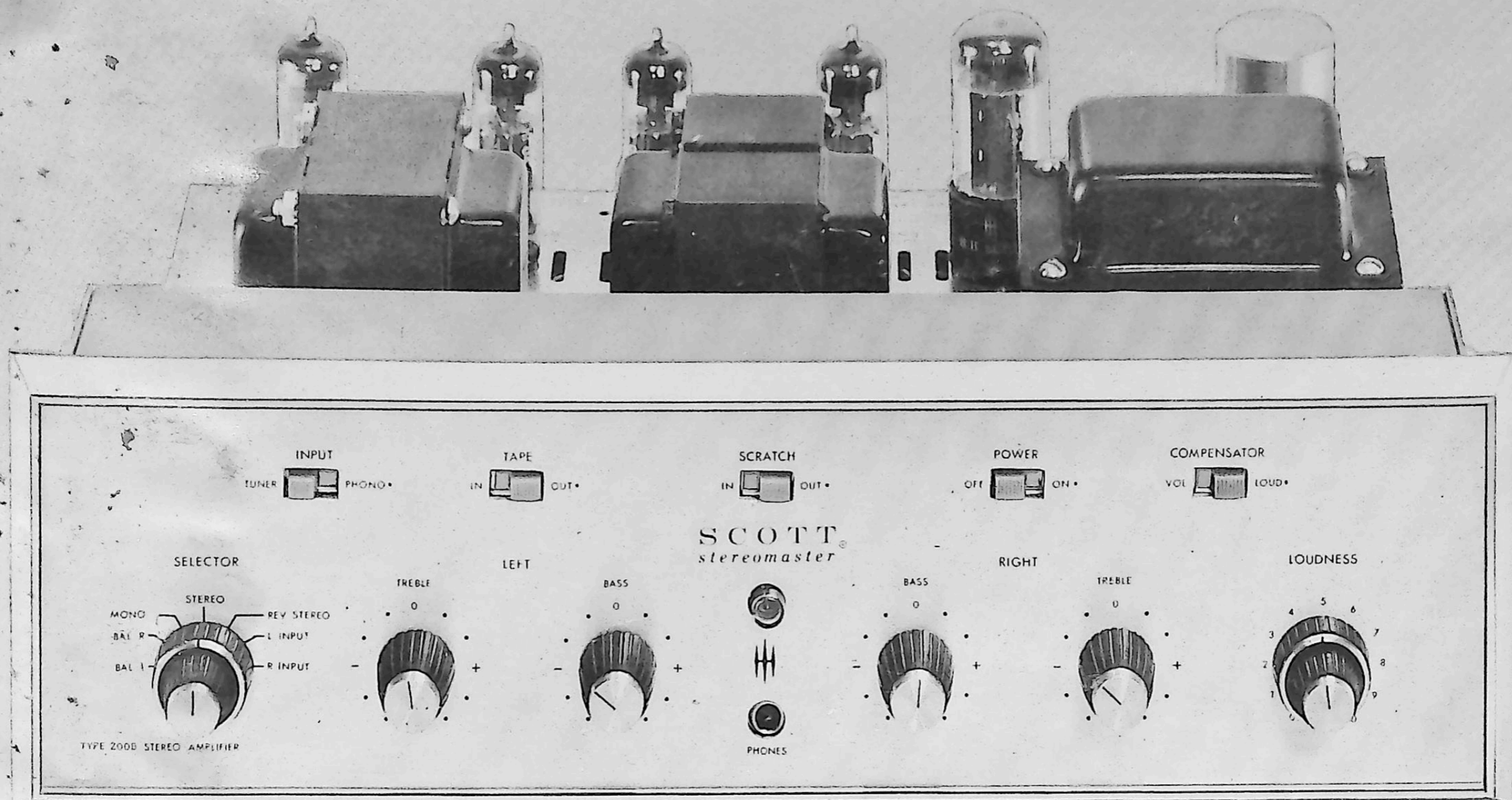
Usable Sensitivity (IHFM) ( $\mu$ V) .....	3.5
Signal: Noise Ratio (db) .....	50
Harmonic Distortion (%) .....	Less than 1.0
Drift (%) .....	0.02
Frequency Response (cps) .....	30-15,000
(limits of IHFM specifications)	
Capture Ratio (db) .....	8
Selectivity (db) .....	30
Spurious Response Rejection (db) .....	75
Audio Hum (db below 1 volt) .....	55
AM Suppression (db) .....	50
Sensitivity for 20 db quieting with matched 72 Ohm antenna ( $\mu$ V) .....	1.5
Separation (db) .....	28

\*Pat. Pend.

## SCOTT IS THE LEADER... Compare These Key Features

	Scott LT-111	Brand A	Brand B
Full color instruction book for easy assembly	Yes	No	No
Signal saving copper front end chassis	Yes	No	No
Part charts organize all parts in exact sequence of assembly	Yes	No	No
Ratio Detector	Yes	No	No
Time switching multiplex	Yes	Yes	
Pre-cut and stripped wires	Yes	No	No
Small mechanical parts factory pre-assembled	Yes	No	No
Kit-Pack may be used as "work-bench"	Yes	No	No
Drift free without distortion producing AFC	Yes	Yes	No
Non-magnetic electrolytic aluminum chassis	Yes	No	No
Foolproof sonic stereo indicator	Yes	No	No

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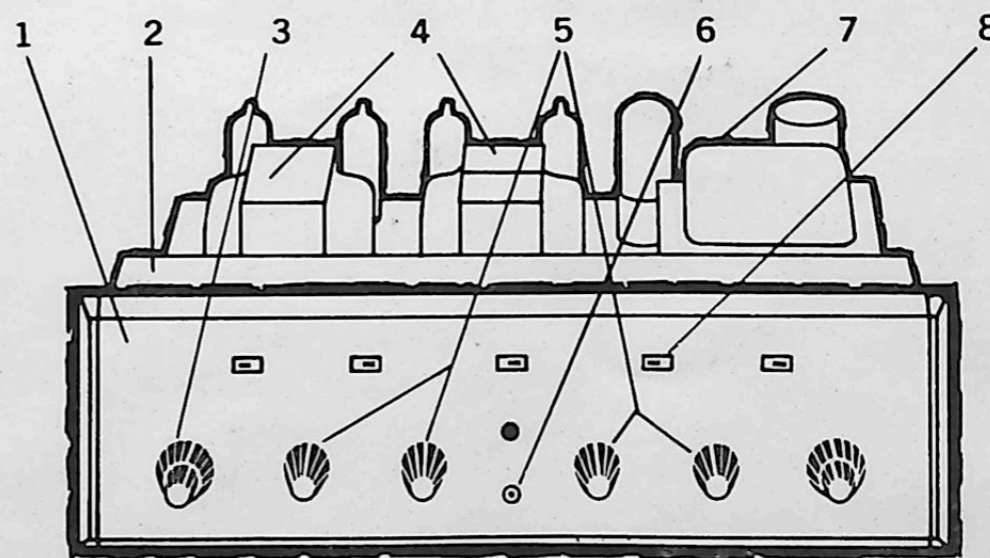


## MODEL 200B 30-WATT STEREO AMPLIFIER

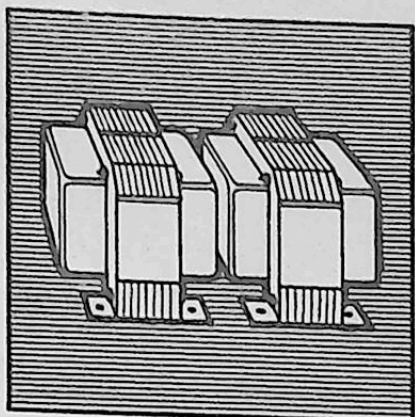
Listening to music with the new Scott Model 200B you would never guess it is in the "economy" class. The 200B includes many luxury Scott features to insure top performance and exceptional versatility. Circuit design is typically "Scott" . . . clean, beautiful hand-wiring . . . expensive, conservatively rated parts. The 200B goes through the same stringent quality control tests used on much more expensive

Scott units. And specifications are *honest!* Where else is there an economy amplifier or an amplifier at *any* price that delivers its advertised power down in the extremely low frequency region. The 200B will drive all popular speaker systems to full room level. Like all Scott units, it is backed by the famous double Laboratory Standard Guarantee.

1. New decorator styling. 2. Non-magnetic electrolytic aluminum chassis. 3. Exclusive Scott Balance Left/Balance Right balancing system. 4. Massive output transformer. 5. Individual tone controls. 6. Headphone output. 7. Derived center channel output. 8. Separate power switch.

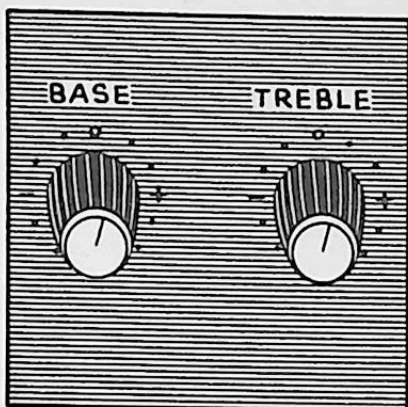
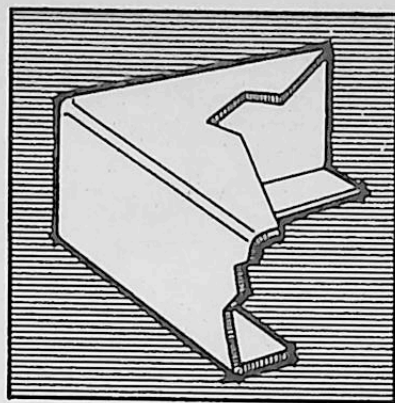


# UNIQUE FEATURES



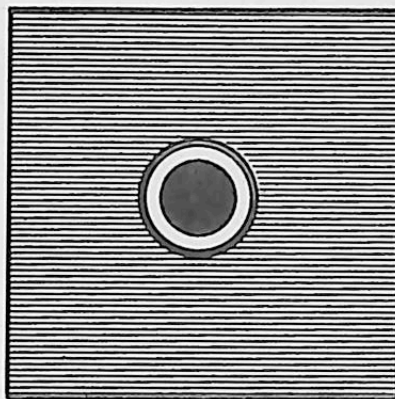
Compare these massive output transformers to those on competitive units with twice the power rating. Only by using expensive output transformers with hefty windings and a large number of laminations can a unit deliver power down to the lowest frequencies. This is where the power is really needed and where the other amplifiers fail to meet their published specifications.

Non-magnetic electrolytic aluminum chassis reduces radiated magnetic hum from power transformers, reduces circulatory ground currents and dissipates heat more rapidly than the steel chassis used in ordinary components.



Separate bass and treble controls for each channel give maximum flexibility in adjusting for all types of program material.

Stereo headphone output conveniently located on the front panel



# SPECIFICATIONS

Front Panel Features: Seven Position Stereo Selector, Two Position Input Selector, Separate Left/Right Bass /Treble Controls, Clutched Dual Loudness Control, Tape Monitor Switch, Scratch Filter, Power Switch, Volume — Loudness Switch, Headphone Jack.

Rear Panel Features: Switched Accessory Outlet. Speaker Terminals for 4, 8, and 16 Ohm loads. Center Channel Output, Tape Recorder Output, Tape Recorder Playback Input, Tuner Input, Ceramic Cartridge Input, Magnetic Cartridge Input, Equalization curve RIAA (phono).

Tube and Diode Complement: 1 5AR4, 4 6GW8, 3 12AX7, 1 Silicon Rectifier. Power Consumption: 120 Watts. Dimensions in Accessory Case: 15½" wide x 5¼" high x 13¼" deep. Panel Size: 15" wide x 4¾" high, Depth behind panel — 13". Choice of Accessory Cases: C (metal), CWW (walnut), CW (mahogany).

Power Rating (IHFM Standard) (Watts) . . . 15/15  
Power Band (IHFM Standard)

(cps ± 1 db) . . . . . 25-15,000

Frequency Response (cps ± 1 db) . . 30-20,000<sup>1</sup>

Harmonic Distortion (%) . . . . . 0.8

Hum Level (db) . . . . . -70

Sensitivity on phono or tape head (mv) . . . . . 5

Power Rating-steady state (Watts) . . . . . 12/12

Input impedance-magnetic (Ohms) . . . . . 47K

Input impedance-ceramic (Ohms) . . . . . 3.3M

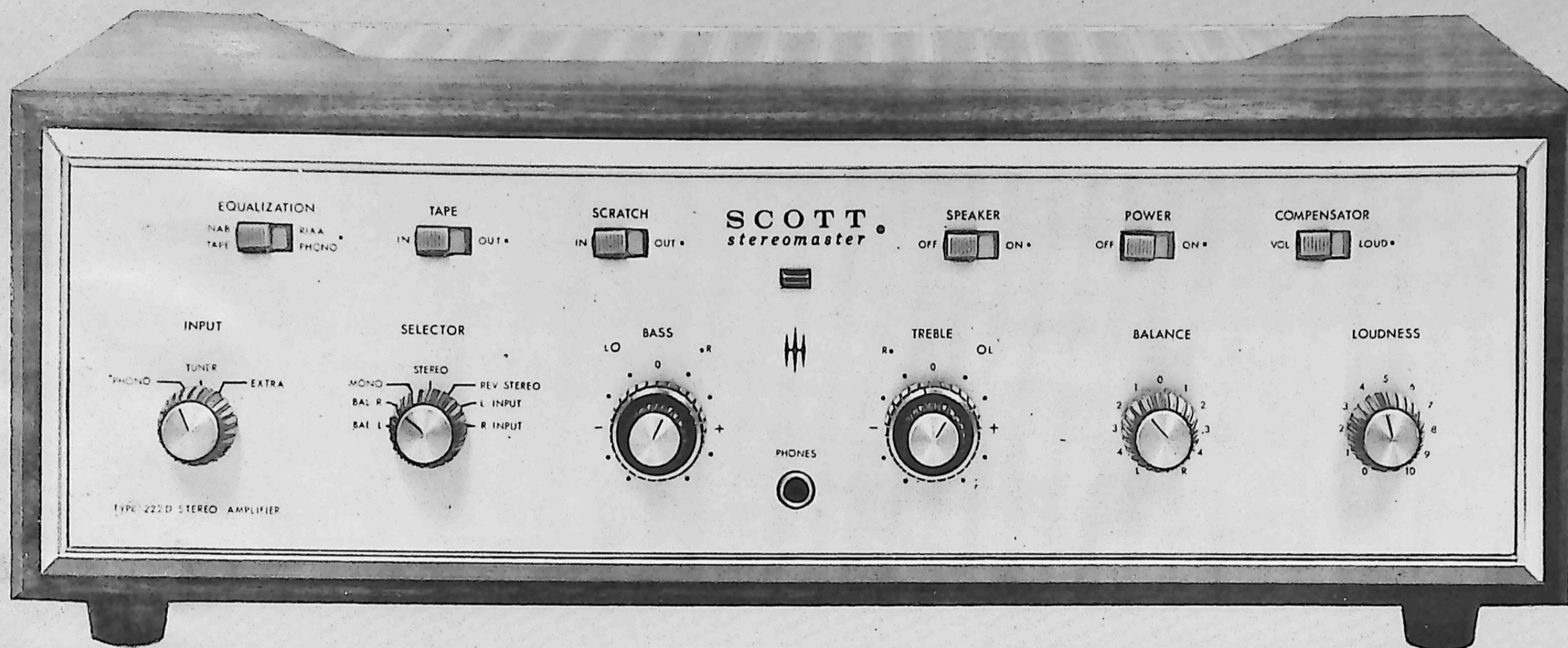
<sup>1</sup>A special subsonic (below 20 cps) sharp-cutoff filter is incorporated in H. H. Scott amplifiers to prevent power waste due to subaudible rumble, eccentric records, or acoustic feedback.

## SCOTT IS THE LEADER... Compare These Key Features

Features	Scott 200B	Brand A	Brand B
Watts (manufacturers rating)	15/15	15/15	25/25
Full power to Lowest Frequencies	Yes	No	No
Non-magnetic electrolytic aluminum chassis	Yes	No	No
Convenient headphone output on front panel	Yes	No	Yes
Saving of useful power by use of subsonic cutoff filter	Yes	No	No
Balance Left/Balance Right Feature	Yes	No	No
Elimination of extraneous noise when playing monophonic records with a stereo pickup cartridge	Yes	No	No
Convenient pilot light	Yes	No	Yes



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## 222D 50-WATT COMPLETE STEREO AMPLIFIER

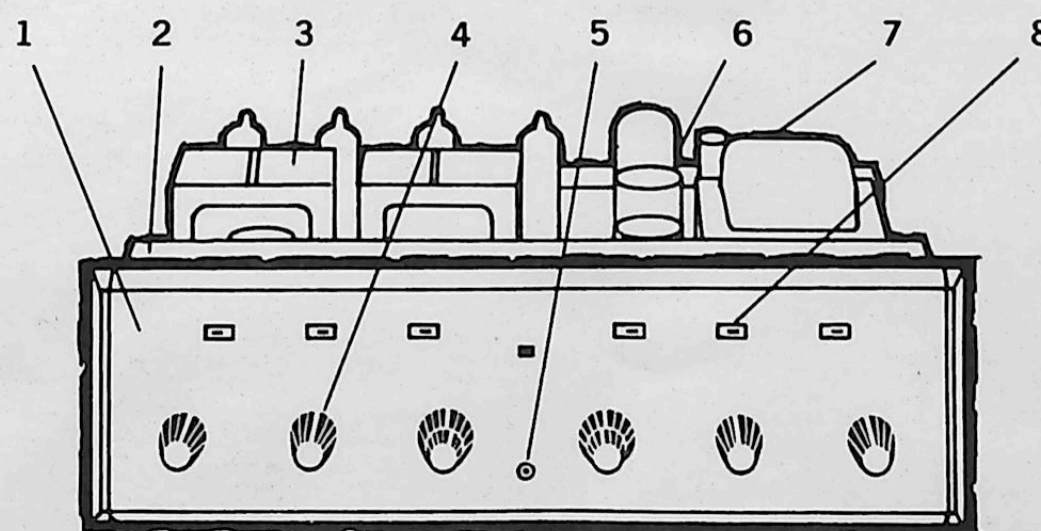
This moderately priced amplifier offers the power, the features, the looks and the reliability to make it the best seller in its field. Heavy duty output transformers provide superb bass response even with inefficient speaker systems.

A speaker switch and front panel headphone output permit private listening with the speakers silenced. A powered center channel output supplies audio output to an extension speaker system or a center channel speaker

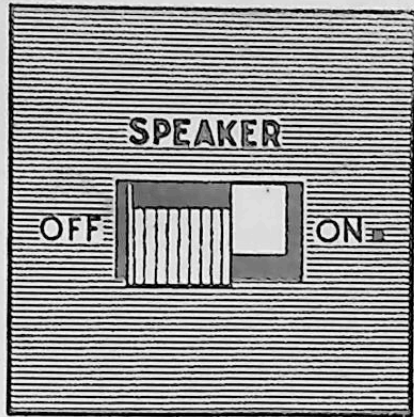
without any additional amplifiers.

Special features include separate tone controls for each channel, DC on preamp tubes for lowest hum, and Scott's patented balancing system to assure equal level from both speakers. Only the finest conservatively rated parts are used. The all-aluminum chassis construction assures efficient cooling and reduces hum to inaudible levels. The 222D is the ideal amplifier to build a quality music system around.

1. New decorator styling. 2. Non-magnetic electrolytic aluminum chassis. 3. Massive output transformers. 4. Exclusive Scott Balance Left/Right balancing system. 5. Headphone output. 6. Driven center channel speaker output. 7. Phase switch. 8. Separate power switch.

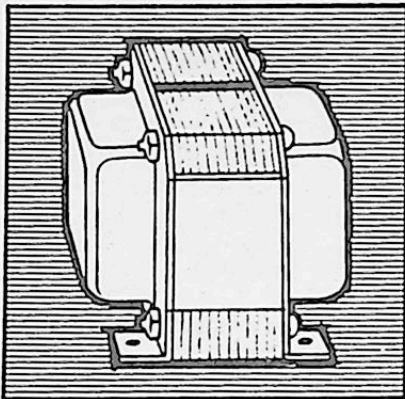
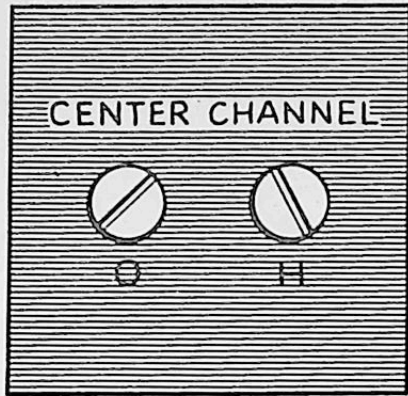


# UNIQUE FEATURES



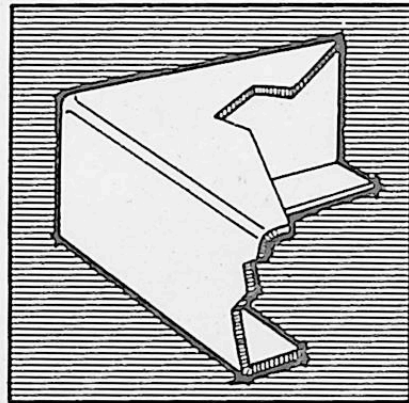
Speaker Switch and front panel headphone jack permit private use of earphones by completely silencing the speakers. All output taps are switchable, regardless of impedance.

Center Channel power output jack directly drives a separate speaker system without the need for a separate power amplifier. This will also drive a remote speaker system using either the master level control or a remote control.



Only by using massive output transformers with hefty windings and a large number of laminations can an amplifier deliver power down to the lowest frequencies. This is where the power is really needed and where competitive amplifiers fail to meet their published specifications.

Non-magnetic electrolytic aluminum chassis reduces radiated magnetic hum pickup from power transformers, reduces circulatory ground currents and dissipates heat more rapidly than the steel chassis used in ordinary amplifiers.



# SPECIFICATIONS

Front Panel Features: Input Selector with Phono, Tuner, and Extra positions. Stereo Selector with Balance Left, Balance Right, Monophonic, Stereo, Reverse Stereo, Left Channel and Right Channel positions. Other front panel controls include: Tape Monitor Switch, Equalization Switch (tape, RIAA), Scratch Filter, Separate Tone Controls, Speaker/Earphone Switch, and Loudness Compensator.

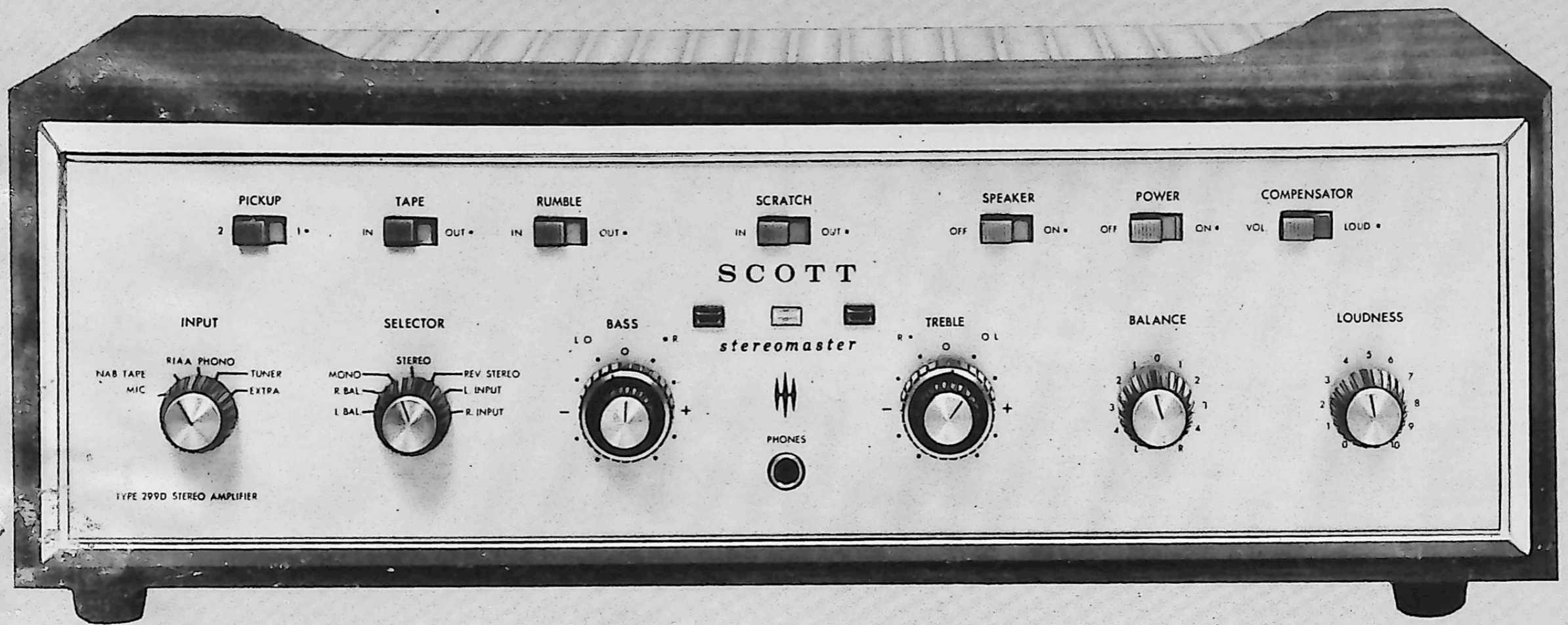
Rear Panel Features: Inputs — Phono Mag High, Phono Mag Low, Tape Head, Tuner, Playback, Ceramic, and Extra. Outputs — powered center channel speaker output, Tape Recorder, Derived center channel output, and Speaker Phase Switch. Tube Complement: 4 12AX7, 4 7189, 2 7199, 1 5AR4, and 1 Selenium Rectifier. Dimensions in Accessory Case: 15½" wide x 5¼" high x 13¼" deep. Panel: 15" wide x 4¾" high. Depth behind panel is 13". Weight: 26 pounds. Choice of Accessory Cases: C (metal), CWW (walnut), or CW (mahogany).

Music Power each channel (watts) . . . . .	25/25
Power Rating steady state (watts) . . . . .	20/20
Frequency Response (cps ± 1 db) . . . . .	20-20,000
Harmonic Distortion (%) . . . . .	0.8
Power Bandwidth (IHFM) (cps) . . . . .	20-20,000
Hum and noise (db) . . . . .	-80
Sensitivity (mv) . . . . .	3

## SCOTT IS THE LEADER... Compare These Key Features

	Scott 222D	Brand A	Brand B
Watts (manufacturer rating)	25/25	30/30	30/30
Non-magnetic electrolytic aluminum chassis	Yes	No	No
Balance Left/ Balance Right Feature	Yes	No	No
Convenient headphone output on the front panel	Yes	Yes	No
Separate tape head input	Yes	Yes	No
Separate front panel speaker switch	Yes	Yes	No
Separate power on-off switch	Yes	No	Yes
Availability of single channel mono input to both speaker outputs	Yes	No	Yes
Phase reverse switch	Yes	No	No

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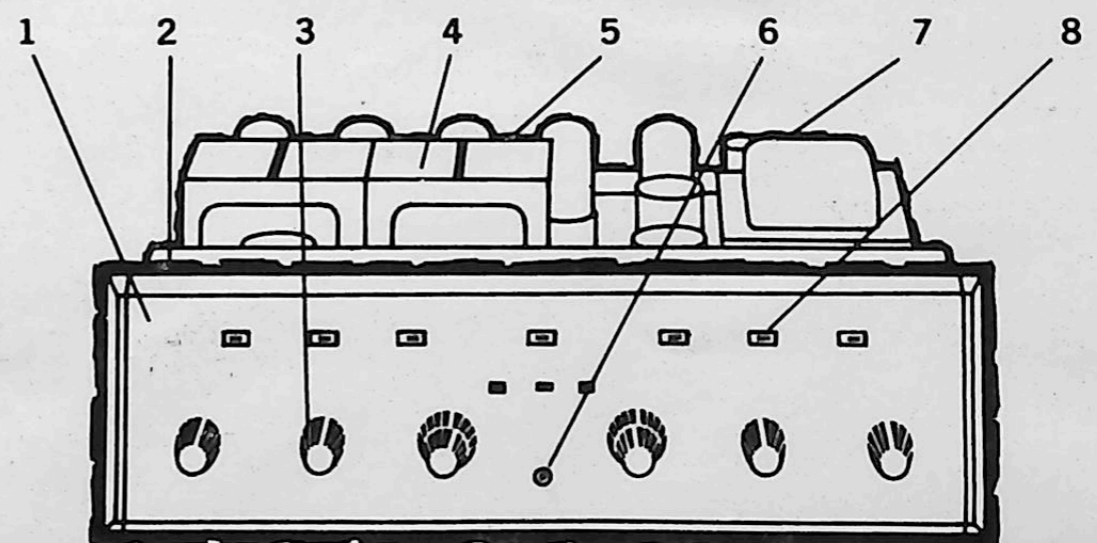


## 299D 80-WATT STEREO COMPLETE AMP

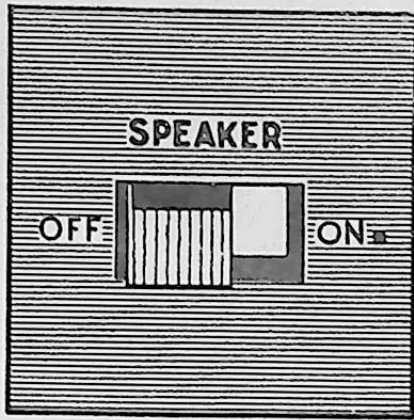
The most widely used, highly respected stereo amplifier made . . . the latest version of the amplifier recommended by all leading consumer testing organizations. Now with new handsome panel, knobs and lights, the 299D sets the same high standard in appearance that it has long established in performance. Switched front

panel headphone output permits private listening without use of loudspeakers. Rugged 80 watt output stage assures low-distortion reproduction of even the lowest frequencies. Special jewel signal lights make it easy for any member of the family to operate this extremely versatile amplifier.

1. New decorator styling. 2. Non-magnetic electrolytic aluminum chassis. 3. Exclusive Scott Balance Left/Balance Right level balancing system. 4. Massive output transformers. 5. Driven center channel speaker output. 6. Head phone jack. 7. Phase switch. 8. Separate power switch

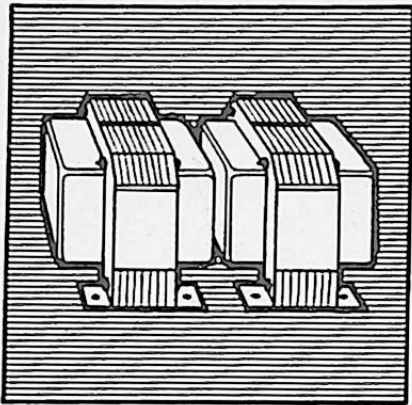
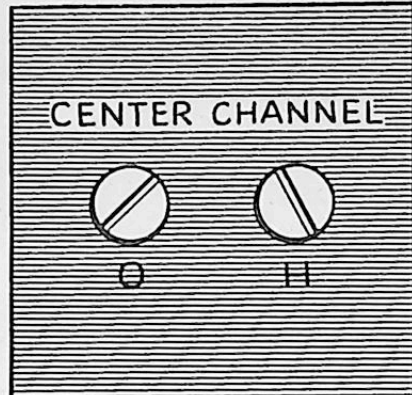


# UNIQUE FEATURES



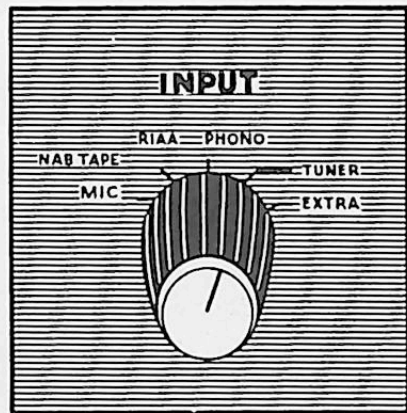
Speaker Switch and front panel headphone jack permit private use of ear-phones by completely silencing the speakers. All output tapes are switchable, regardless of impedance.

Center Channel power output directly drives a separate speaker system without the need for a separate power amplifier. This will also drive a remote speaker system using either the master level control or a remote control.



Only by using massive output transformers with hefty windings and a large number of laminations can an amplifier deliver power down to the lowest frequencies. This is where the power is really needed and where competitive amplifiers fail to meet their published specifications.

Maximum flexibility of use is obtained on the 299D by providing inputs, equalization curves and selector switches with the ability to simultaneously handle changer with magnetic or ceramic cartridge, professional turntable with high or low level magnetic cartridge, tape head, tape monitoring, and microphone without manually changing input cables.



# SPECIFICATIONS

Front Panel Features: Input Selector with these positions: Mic, NAB Tape, RIAA Phono/Tuner, Extra.

Stereo Selector with these positions: Balance Left, Balance Right, Monophonic, Stereo, Reverse Stereo, Left Channel, Right Channel.\* Other features include: Mag Phono pickup switch (1+2), Tape Monitor, Rumble Filter, Scratch Filter, Speaker-earphone switch, Loudness compensator, Individual Bass and Treble.

Rear Panel Features: Speaker phase switch. Inputs — Pickup 1 (mag high, mag low), Pickup 2 (mag high, mag low), Ceramic, Tuner, Extra, Playback (tape monitor).

Outputs — Tape Recorder, Direct center speaker output, Derived center channel output.

Tube Complement: 4 7591, 2 6GH8, 4 12AX7, 1 5AR4, 1 Selenium Rectifier, Dimensions in Accessory Case: 15½" wide x 5¼" high x 13¼" deep. Panel: 15" x 4¾" high. Depth behind panel 13". Weight: 30 pounds.

Power Rating (IHFM) (watts) . . . . . 40/40  
 Power Band (cps ± 1 db) . . . . . 20-20,000  
 Frequency Response (cps ± 1 db) . 20-20,000\*  
 Harmonic Distortion (%) . . . . . 0.8  
 IM Distortion (%) . . . . . 0.5  
 Hum Level (db) . . . . . —80  
 Power Rating Steady State . . . . . 32/32

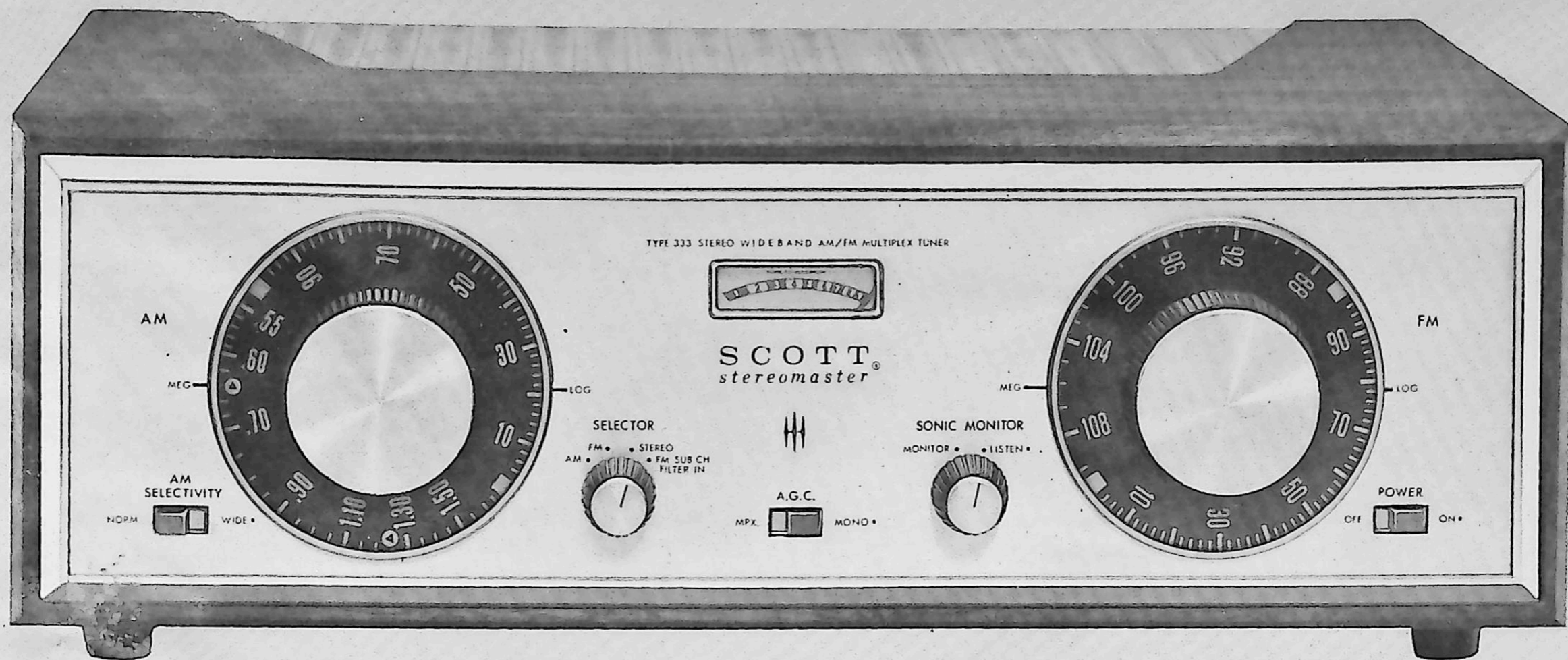
\*A special subsonic (below 20 cps) sharp-cutoff filter incorporated in all Scott amplifiers.

## SCOTT IS THE LEADER... Compare These Key Features

	Scott 299D	Brand A	Brand B
Watts (manufacturer rating)	40/40	40/40	40/40
Non-magnetic electrolytic aluminum chassis	Yes	No	No
Balance Left/Balance Right Feature	Yes	No	No
Separate power on-off switch	Yes	No	Yes
Separate selectable Tape Head input	Yes	Yes	No
Phase reverse switch	Yes	Yes	No
Copper strapped power transformer	Yes	No	No



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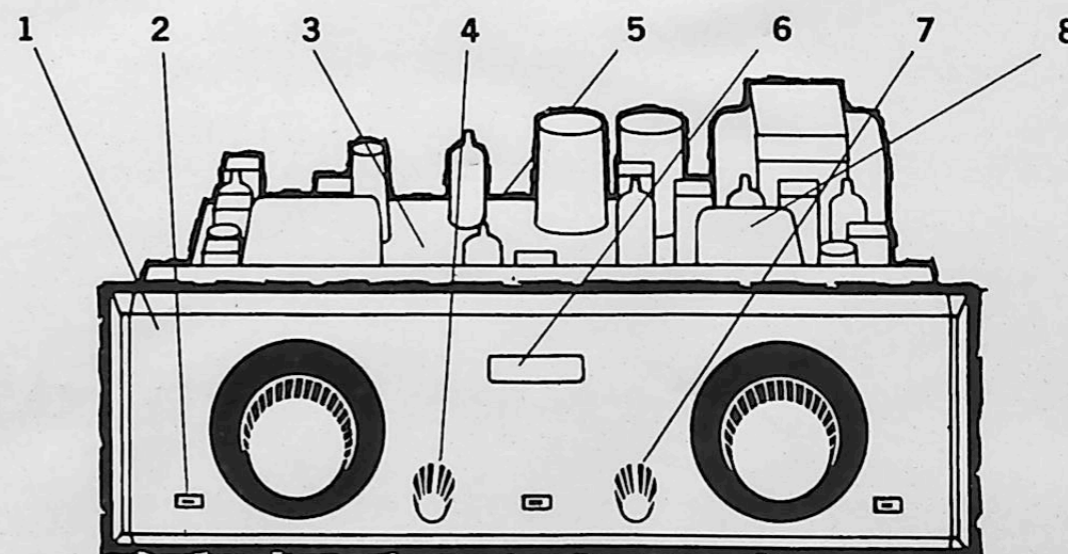


## MODEL 333B AM/FM STEREO TUNER

Newly restyled to fit perfectly into the most elegant surroundings, this versatile tuner lets you enjoy either FM multiplex stereo, regular monophonic FM, regular AM, or AM/FM simulcasts at just the flick of a switch. This astonishing flexibility is attained by combining all the features and circuitry of the famous Scott 350C wideband tuner with the unique Widerange AM section of the popular Scott 330D AM/FM tuner. Two position AM band-

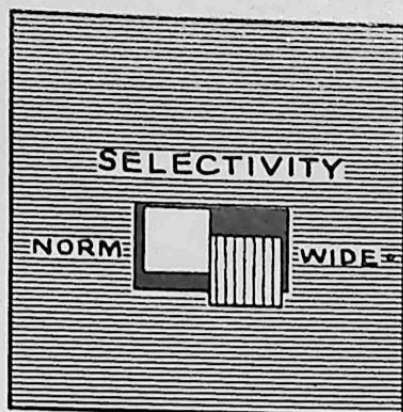
width switch makes AM listening practically indistinguishable from FM. Sonic Monitor\* tells you when FM stereo is on the air and a precision meter insures accurate tuning of both AM and FM. Naturally, this outstanding performer includes Scott's silver plated RF front end and time-switching multiplex section. The ideal choice for the listener who wants the best in FM listening along with quality AM reception in one compact, handsomely styled unit.

1. New decorator styling. 2. Switchable AM bandwidth. 3. Non-magnetic electrolytic aluminum chassis. 4. Sub-channel noise filter for multiplex reduces noise of sub-channel on weak signals without affecting frequency response of the system. 5. Output level controls. 6. Precision, illuminated tuning meter. 7. Unique Sonic Monitor. 8. Silver plated tuning section.



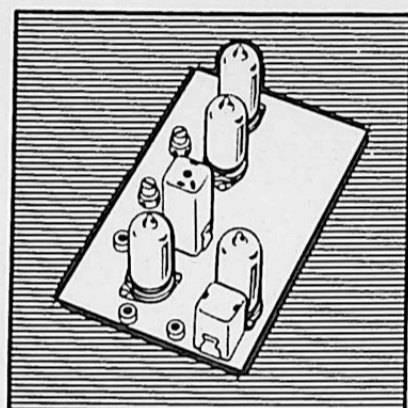
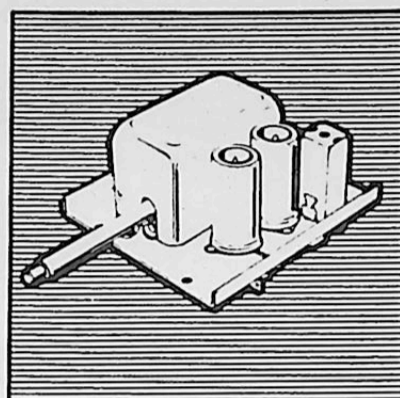
\*Pat. Pend.

# UNIQUE FEATURES



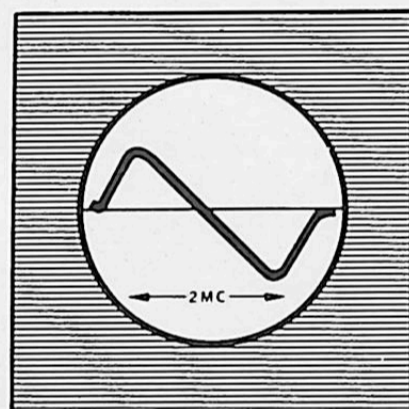
Adjustable IF bandwidth on AM provides full frequency response in the "wide" position. The "normal" position is useful for average listening, eliminates annoying background noise and station interference.

Heavily silver-plated front end results in maximum sensitivity, with virtual elimination of cross-modulation. FM cascode RF stage improves signal-to-noise ratio. A large 3-gang tuning condenser provides most consistent calibration and best selectivity



"Time-Switching" multiplex circuitry provides full frequency response with extremely low distortion. Stereo separation exceeds specifications established by Bell Telephone Laboratories.

Two megacycle wideband detector assures superior rejection of interference and complete freedom from drift. Scott's Wide-Band circuitry eliminates the need for AFC . . . brings you full range reception of weak multiplex signals without the distortion inherent with AFC.



# SPECIFICATIONS

Front Panel Features Include: AM Selectivity: Normal, Wide. Selector Switch with these positions: AM, FM, Stereo, Stereo-sub-channel, Filter-In. Other features include: AGC Switch, Sonic Monitor, Power Switch, AM Vernier Tuning Dial, FM Vernier Tuning Dial.

Rear Panel Features: Audio Outputs: Amplifier, Tape. Level Controls, right-left, AM Level setting, Mode Selector: FM Multiplex AM/FM Stereo.

Tube and Diode Complement: 3 6AU6, 1 6AV6, 1 6BA6, 1 6BE6, 1 6BL8, 1 6BS8, 1 6HS6, 1 6U8A, 1 12AT7, 2 12AU7, 3 IN99 Diodes, 8 IN294 Diodes, 2 IN541 Diodes, 1 Selenium Rectifier. Power Consumption: 55 Watts. Dimensions in Accessory Case: 15½" wide, 5¼" high, 13¼" deep. Panel Size: 15" wide, 4¾" high. Depth behind panel 13". Choice of Accessory Cases: C (metal), CWW (walnut), CW (mahogany).

Usable Sensitivity ( $\mu$ V) . . . . .	2.5
Signal: Noise Ratio (db) . . . . .	60
Harmonic Distortion (%) . . . . .	0.8
Drift (%) . . . . .	0.02
Frequency Response (cps $\pm$ 1 db) . .	30-15,000
Capture Ratio (db) . . . . .	6.0
Selectivity (db) . . . . .	35
Spurious Response Rejection (db) . . . .	80
Audio Hum (db below 1 volt) . . . . .	66
AM Suppression (db) . . . . .	55
Sensitivity for 20 db quieting with matched 72 Ohm antenna . . . . .	1.0
Separation (db) . . . . .	30

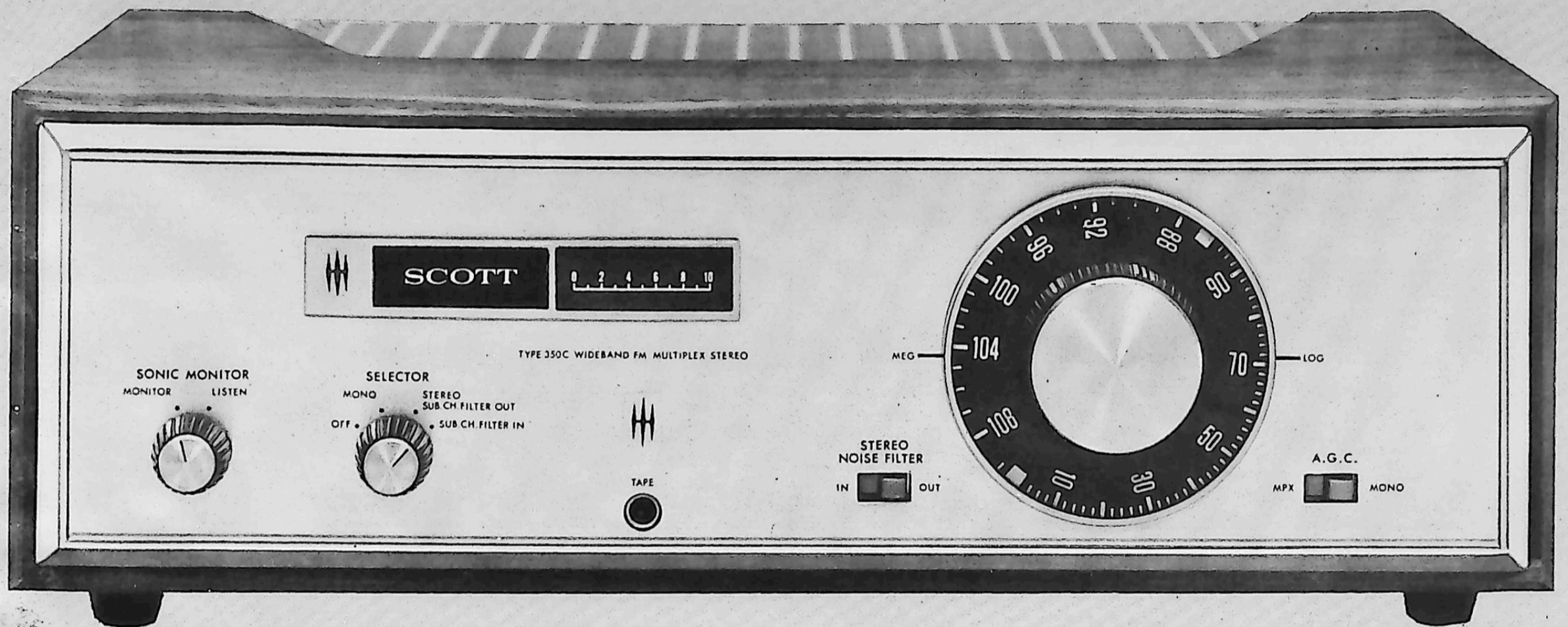
# SCOTT IS THE LEADER . . . Compare These Key Features

Features	Scott 333B	Brand A
Silver Plated Front End Chassis	Yes	No
Two megacycle Wide band Detector	Yes	No
Scott Pioneered Time Switching Multiplex Circuitry	Yes	Yes*
Foolproof Sonic Stereo Indicator	Yes	No
FM Cascode RF Stage with Precision Three Gang Tuning Condenser	Yes	No
Receives strong signals without switching to prevent overloading	Yes	No
Filtering without effect on frequency response	Yes	No
Improved stereo performance with switchable AGC	Yes	No

\* Poor frequency response due to the use of inexpensive low pass filters.



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Canada: Atlas Radio Corp., 50 Wingold Ave., Toronto



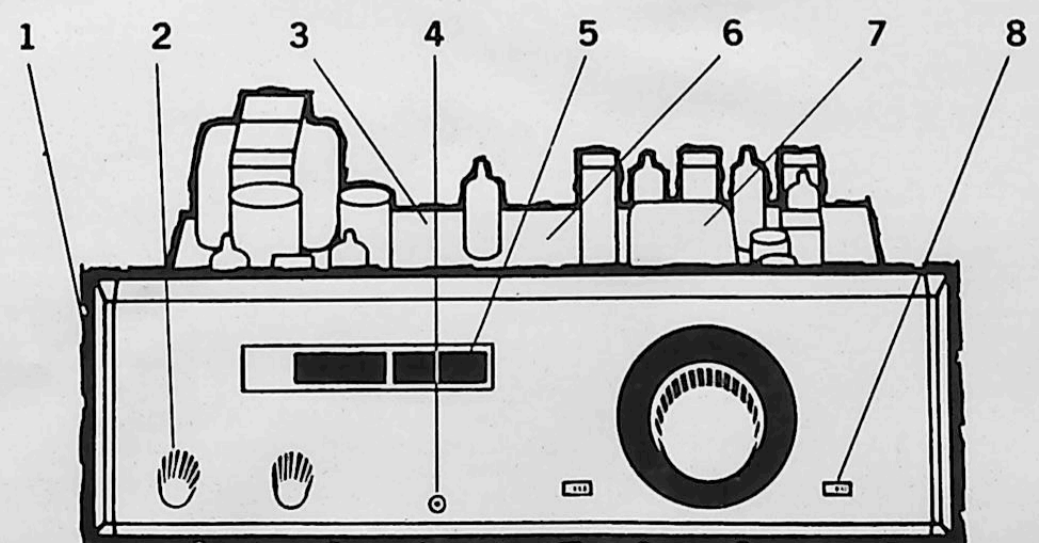
## MODEL 350C FM STEREO TUNER

The latest model of the first, and most popular, multiplex stereo tuner ever made provides a combination of superior performance and good looks sure to guarantee its continued leadership. Time switching multiplex circuitry pioneered by Scott assures low distortion and maximum separation. New improved sensitivity guarantees perfect stereo or mono reception in the most difficult signal areas. Wide band design and the

famous silver plated front end insure the highest standard of performance.

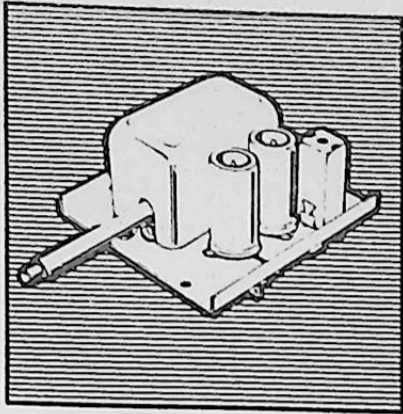
The 350C offers a variety of exclusive Scott operating features like the precision tuning meter, separate level controls, convenient front panel tape output, and Scott's Sonic Monitor\* that signals you when Stereo is on the air. These make the 350C a delight to use as well as to listen to.

1. New decorator styling.
2. Unique Sonic Monitor.
3. Non-magnetic electrolytic aluminum chassis.
4. Tape recorder output jack.
5. Precision, illuminated tuning meter.
6. Output level controls.
7. Silver plated tuning section.
8. Switchable A.G.C. for improved subcarrier signal.



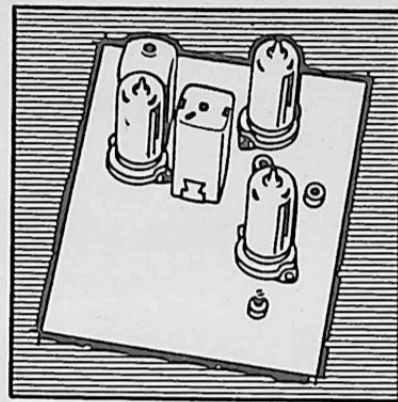
\*Pat. Pend.

# UNIQUE FEATURES

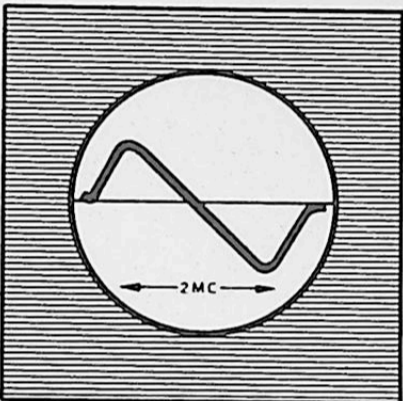


Heavily silver plated front end results in maximum sensitivity, with virtual elimination of cross-modulation. FM cascode RF stage improves signal-to-noise ratio. A large 3-gang tuning condenser provides most consistent calibration and best selectivity.

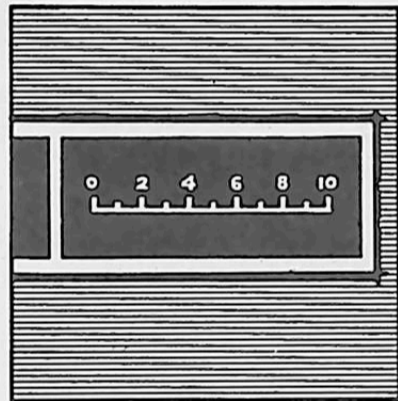
"Time-Switching" multiplex circuitry provides full frequency response with extremely low distortion. Stereo separation far exceeds specifications established by FCC.



Two-megacycle wideband detector assures superior rejection of interference and complete freedom from drift. Scott's Wide-Band circuitry eliminates the need for AFC . . . brings you full range reception of weak multiplex signals without the distortion inherent with AFC.



Precision illuminated tuning meter allows easier, more accurate tuning to even the weakest signals. Only this type of indicator is sensitive enough to effectively orient a rotor mounted antenna for maximum signal strength.



# SPECIFICATIONS

Front Panel Features include: Sonic Monitor, Selector Switch with these features: Off, Mono, Stereo, Stereo-subchannel filter in. Other features include: Tape Jack, Tuning Meter, Stereo Noise Filter, AGC switch, Vernier tuning dial with pilot light.

Rear Panel Features: Audio Outputs: Amplifier and Tape, Level Controls: Right and Left.

Tube and Diode Complement: 3 6AU6, 1 6BL8, 1 6BS8, 1 6U8A, 1 12AT7, 2 12AU7, 3 IN99 Diodes, 8 IN259 Diodes, 1 Selenium Rectifier. Power Consumption: 43 Watts. Dimensions in Accessory Case: 15½" wide, 5¼" high, 13¼" deep. Panel Size: 15" wide, 4¾" high, depth behind panel: 12". Choice of Accessory Cases: C (metal), CW (mahogany), CWW (walnut).

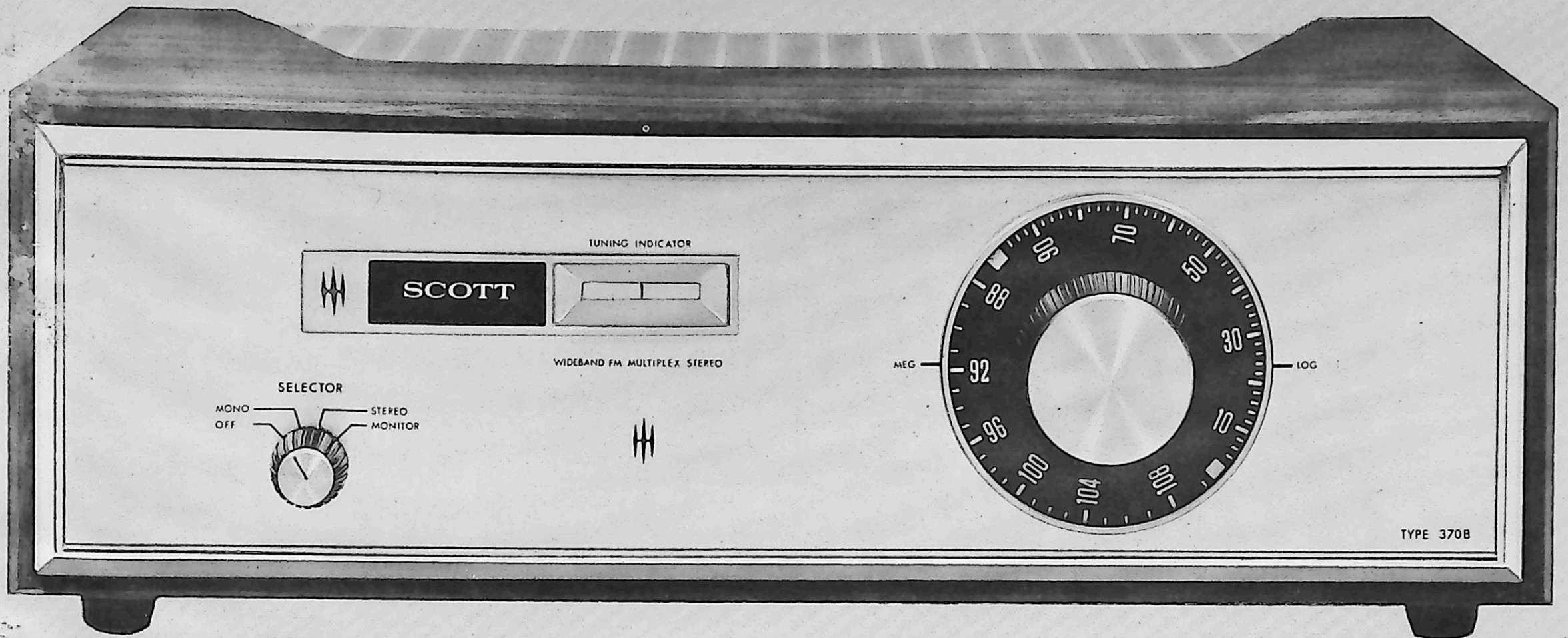
Usable Sensitivity ( $\mu$ V)	2.2
Signal: Noise Ratio (db)	60
Harmonic Distortion (%)	0.8
Drift (%)	0.02
Frequency Response (cps $\pm$ 1 db)	30-15,000
Capture Ratio (db)	6.0
Selectivity (db)	35
Spurious Response Rejection (db)	80
Audio Hum (db below 1 volt)	66
AM Suppression (db)	55
Sensitivity for 20 db quieting	
With matched 72 Ohm antenna	1.0
Separation	30db

## SCOTT IS THE LEADER . . . Compare These Key Features

Features	Scott 350C	Brand A	Brand B	Brand C
Sensitive, Silver Plated Front End Chassis	Yes	No	No	No
Two megacycle wideband detector	Yes	No	No	No
Scott pioneered "Time-Switching" Multiplex Circuitry	Yes	No	Yes	Yes
Foolproof Sonic Stereo Indicator	Yes	No	No	No
Drift Free without distortion producing AFC	Yes	No	No	Yes
Precision Illuminated Tuning Meter	Yes	No	Yes	Yes
Receives strong signals without switching to prevent overloading	Yes	Yes	No	No
Tape or high impedance headphone jack on front panel	Yes	No	No	No
Top rated by consumer testing organization	Yes	No	No	No



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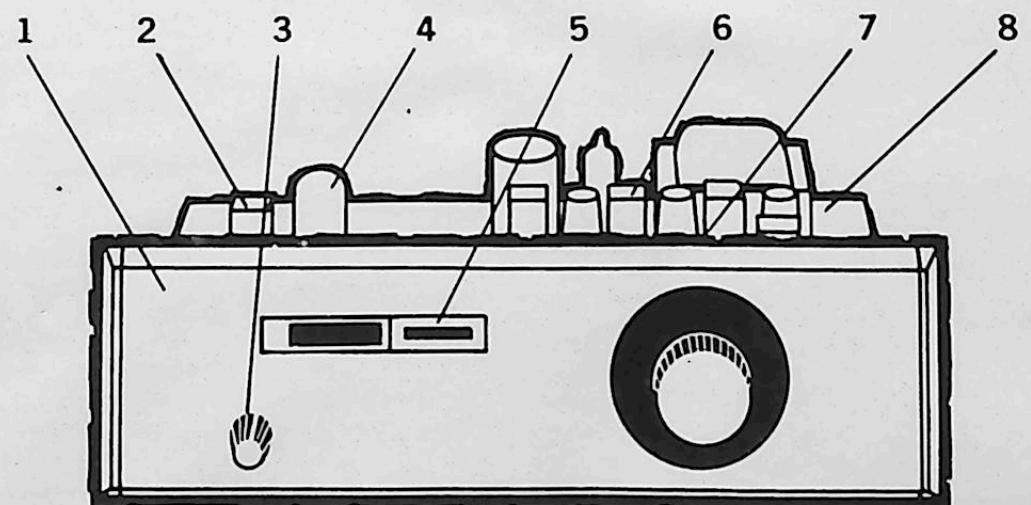


## MULTIPLEX 370B FM STEREO TUNER

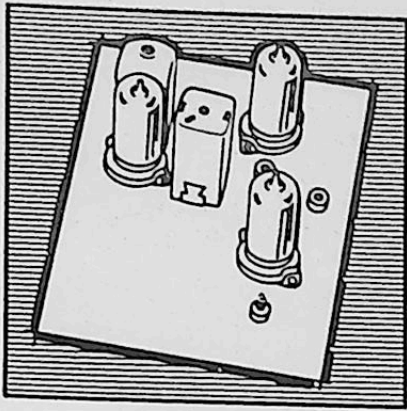
The name Scott is more closely associated with FM Stereo than any other name in the component field. Scott developed the very first commercial FM Stereo tuner. Scott-perfected "Time-Switching" multiplex circuitry has become the standard of the entire high fidelity industry. Now Scott leads again . . . with a beautifully styled FM Stereo tuner that will set a

new standard in the "economy" class. The new 370B utilizes Scott's exclusive Wide-Band design. It will never drift. Sensitivity is an honest  $3.5 \mu\text{v}$ , amazing in this price class. The 370B includes Scott's superb "Time-Switching" multiplex circuits and the newly invented Sonic Monitor\*. The 370B is truly a "best-buy."

1. New decorator styling. 2. "Time-Switching" multiplex. 3. Unique Sonic Monitor. 4. Space age Compactron Tubes. 5. Precision, illuminated tuning indicator. 6. Copper clad IF section. 7. Copper clad tuning section. 8. Non-magnetic electrolytic aluminum chassis.

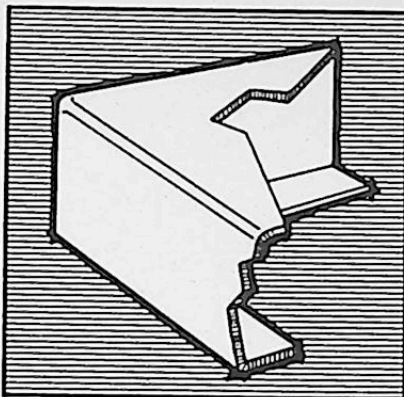
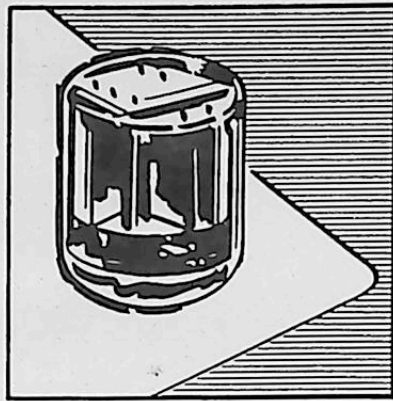


## UNIQUE FEATURES



"Time-Switching" Multiplex Circuitry provides full frequency response with extremely low distortion. Stereo separation far exceeds specifications established by Bell Telephone Laboratories.

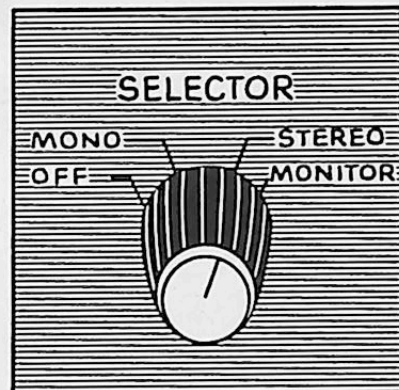
Space Age Compactron Tubes perform multiple functions in the same envelope allowing space saving and circuit saving economies without loss of performance.



Aluminum chassis is copper clad around the I. F. strips multiplex section and front end to reduce circuit losses normally found with ordinary cadmium plated chassis.

Scott's unique Sonic Monitor\* provides a positive, reliable indication of FM stereo broadcasting. By tuning to the cleanest tone you automatically achieve best possible stereo separation.

\*Patent Pending



## SPECIFICATIONS

### Front Panel Features:

Selector with these positions: Off, Mono, Stereo, Sonic Monitor. Other features include: Tuning Indicator, Vernier Tuning Dial with Pilot light.

Rear Panel Features: Audio Outputs: High — amplifier connections; Low — Direct Output to tape recorder.

Tube and Diode Complement: 2 6AG11, 2 6AU6, 1 6RE6, 1 6HU6, 1 6M11, 1 6X4, 2 IN541 Diodes, 3 IN99 Diodes. Power Consumption: 43 watts. Dimensions in accessory case: 15½" wide x 5¼" high x 13¼" deep. Panel size: 15" wide x 4¾" high. Depth behind panel 11". Choice of accessory cases: C (metal), CWW (walnut), CW (mahogany).

Usable Sensitivity ( $\mu\text{V}$ )	3.5
Signal: Noise Ratio (db)	50
Harmonic Distortion (%)	Less than 1.0
Drift (%)	0.02
Frequency Response (cps $\pm$ 1 db)	30-15,000
Capture Ratio (db)	6.0
Selectivity (db)	32
Spurious Response Rejection (db)	75
Audio Hum (db below 1 volt)	55
AM Suppression (db)	50
Sensitivity for 20 db quieting with matched 72 Ohm antenna ( $\mu\text{V}$ )	1.5
Separation (db)	28

## SCOTT IS THE LEADER... Compare These Key Features

Features	Scott 370B	Brand A	Brand B	Brand C
Scott pioneered time switching multiplex circuitry	Yes	Yes <sup>1</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>
Foolproof Stereo Indicator	Yes	No	No	No
FM cascode RF stage with precision 3-gang tuning condenser	Yes	No	No	Yes
Low drift without distortion producing AFC	Yes	No	No	No
Non-magnetic, electrolytic aluminum chassis	Yes	No	No	No
High conductivity copper clad chassis and front end	Yes	No	No	Yes
Tape recorder outputs and filtering circuitry	Yes	Yes	No	No

- Poor frequency response due to the use of inexpensive low pass filters.
- Uses "peak detection," like an AM radio, which causes more distortion and inadequate filtering of background music.



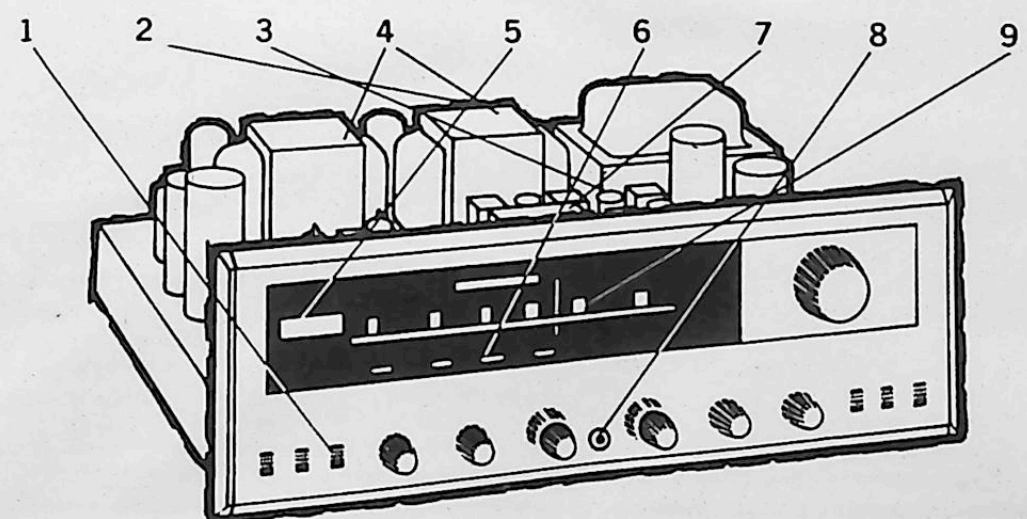
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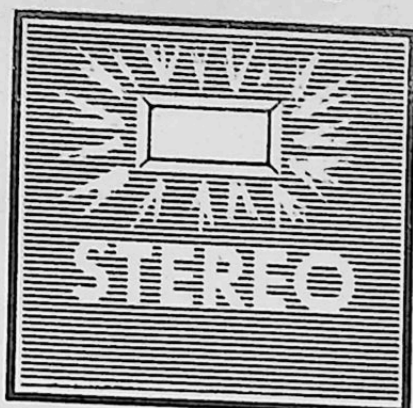
## NEW 70 WATT FM STEREO TUNER/AMPLIFIER WITH AMAZING "AUTO-SENSOR" CIRCUITRY

**Newest Model of the Tuner-Amp Hirsch-Houck labs called "one of the finest . . . we've ever tested."** The radically new 340B FM Stereo Tuner-Amplifier combines all the features of the finest Scott SEPARATE components into a single compact unit. Amazing Auto-Sensor circuitry provides for the ultimate in operating convenience. The handsome new styling, and advanced electronic features of the new 340B will set industry standards for years to come. If you require highly sensitive FM performance and enough power reserve for practically any loudspeaker installation, the new Scott 340B is your logical choice. Listen to this superb component at your dealer's soon.

**Look at these important features:** 1. Complete tape monitoring facilities. All controls operate on playback. 2. Powered third channel for direct connection of remote speakers or for a three-channel system. 3. Auto-Sensor circuitry instantly and automatically chooses correct mode of operation. 4. Massive power and output transformers that assure the superb performance ordinarily found only with separate components. 5. Precision illuminated d'Arsonval meter for pinpoint tuning of all signals. 6. Unique indicator lights prevent inadvertent use of Tape Monitor control. 7. Silver-plated RF circuitry, the same used in the tuner selected by Bell Laboratories for one of their pioneering Telstar experiments. 8. Convenient front-panel low level output for monitoring of program. 9. Easy-to-use, easy-to-read precision slide-rule tuning mechanism, with convenient logging scale.

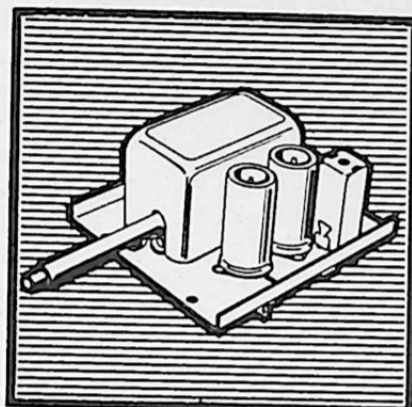
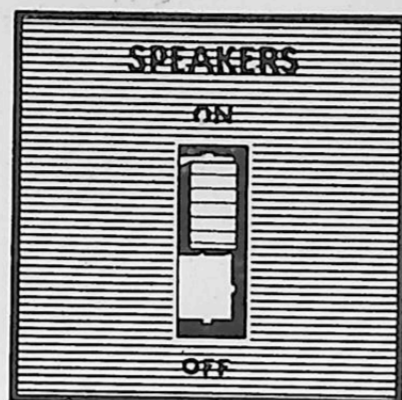


# UNIQUE FEATURES

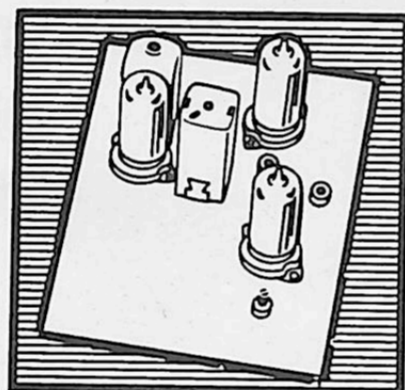


Amazing auto-sensor circuitry detects the presence of a stereo FM broadcast and instantly switches the tuner to the stereo mode. An indicator light flashes on to tell you of the change. When the stereo program is over, the tuner immediately returns to monophonic operation. You never have to know when a station is broadcasting stereo.

Speaker switch and front panel output jack permit use of earphones for monitoring tape recording while completely silencing the speakers. All output taps are switchable, regardless of impedance. Center channel power output jack directly drives a separate speaker system without the need for a separate power amplifier. This will also drive a remote speaker system using either the master level control or a remote control.



Silver plated front end. Only Scott, of all manufacturers, heavily silver plates cascode RF front ends to attain maximum sensitivity and most reliable performance.



Scott-perfected "Time-Switching" multiplex circuitry has become the standard of the entire high fidelity industry. This remarkable circuit provides maximum separation and flawless off-the-air tape recording. The multiplex section is pre-wired and pre-aligned at the factory to guarantee you top performance.

# 340B SPECIFICATIONS

## Front Panel Features

Input Selector Switch with these positions: Phono, FM Mono, Automatic FM Stereo, FM Stereo with Sub Channel Filter, and Extra input.

Stereo Selector Switch with these positions: Balance Left, Balance Right, Monophonic, Stereo, Reverse Stereo, Left Channel input, and Right Channel input.

Other Front Panel Features: Separate Tone Controls, Tape Monitor Switch, Loudness Compensator, Low Level Output, Speakers Switch, Scratch Filter, Rumber Filter, and Separate On-Off Switch.

## Rear Panel Features

Inputs: Phono Mag High, Phono Mag Lo, Phono Ceramic, Extra, and Playback (monitor).

Outputs: Tape Recorder, Derived Center Channel output, and Direct Powered Center Speaker output, Phase Switch.

Tube and Diode Complements: 21 Diodes, 1 Selenium rectifier, 4 7591, 4 12AX7, 3 12AU7, 2 6AU6, 1 6BS8, 1 6BL8, and 3 6U8.

Dimensions: 16 $\frac{3}{4}$ " W, 5 $\frac{1}{2}$ " H, 13 $\frac{5}{8}$ " D.

Dimensions in accessory case: 17 $\frac{1}{2}$ " W, 6 $\frac{1}{4}$ " H, 16 $\frac{3}{4}$ " D.

## Tuner Section:

Usable Sensitivity (IHF) (mv).....	2.2
Signal: Noise Ratio (db below 100% mod).....	60
Harmonic Distortion (%).....	0.8
Drift (%).....	0.02
Frequency Response (cps +1db).....	20-20,000
Capture Ratio (db).....	6.0
Selectivity (db).....	35
Spurious Response Rejection (db).....	80
AM Suppression (db).....	55
Tuning Range (mc).....	.87 to 109
Accuracy of calibration (%).....	0.5
Separation (db).....	better than 30

## Amplifier Section:

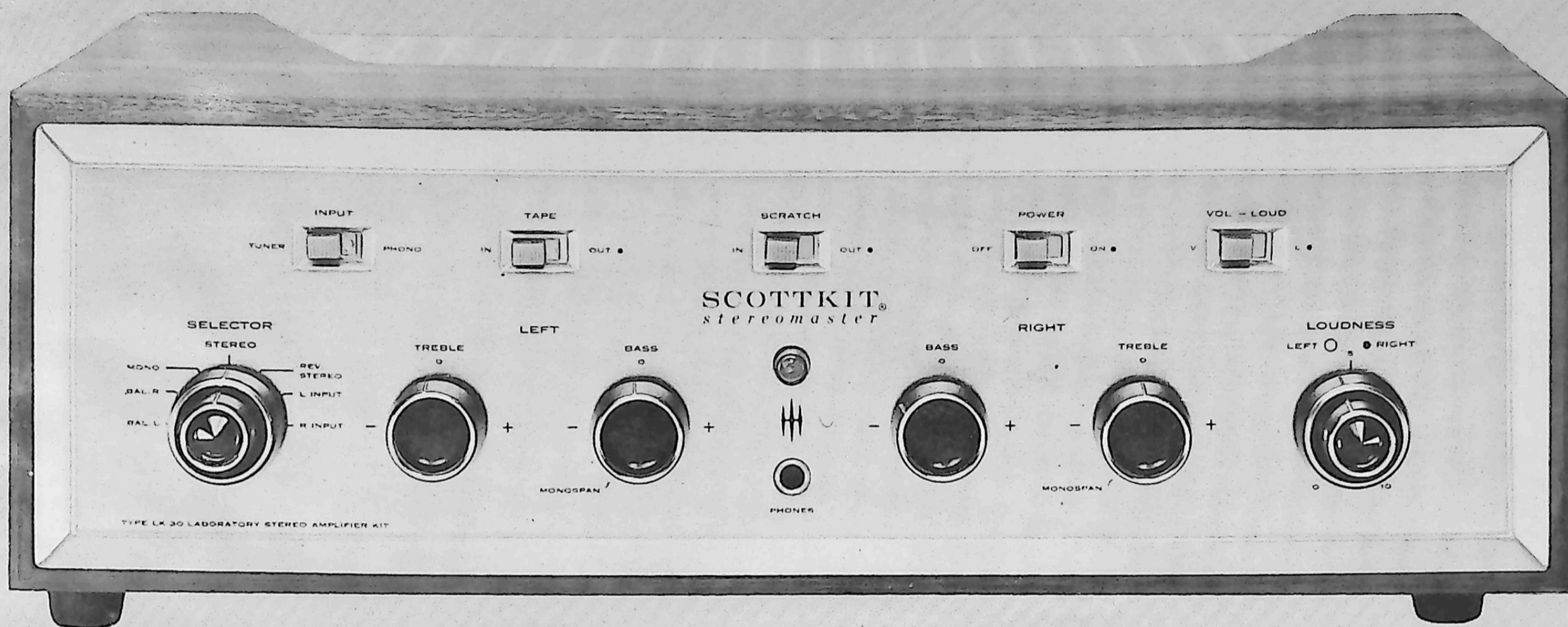
Music power each channel (watts).....	35
Steady state power each channel (watts).....	30
Power bandwidth (IHF) ( $\pm 1.0$ db).....	20-20,000
Harmonic distortion (%).....	0.8
Hum and Noise (db).....	80

# SCOTT IS THE LEADER... Compare These Key Features

	Scott 340B	Brand A
Silver plated FM front end	yes	no
Copper bonded chassis in tuner section	yes	no
Switch to disengage speakers while audibly monitoring your tape recordings	yes	yes
Automatic switching to multiplex	yes	yes
Separate on-off switch permitting pre-set tone and volume controls	yes	no
Separate phase switch for ease of connecting loudspeakers properly	yes	no
Provisions for reversing stereo signal	yes	no



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## SCOTT LK-30 30-WATT STEREO AMPLIFIER KIT GIVES SUPERB PERFORMANCE AT MODEST COST.

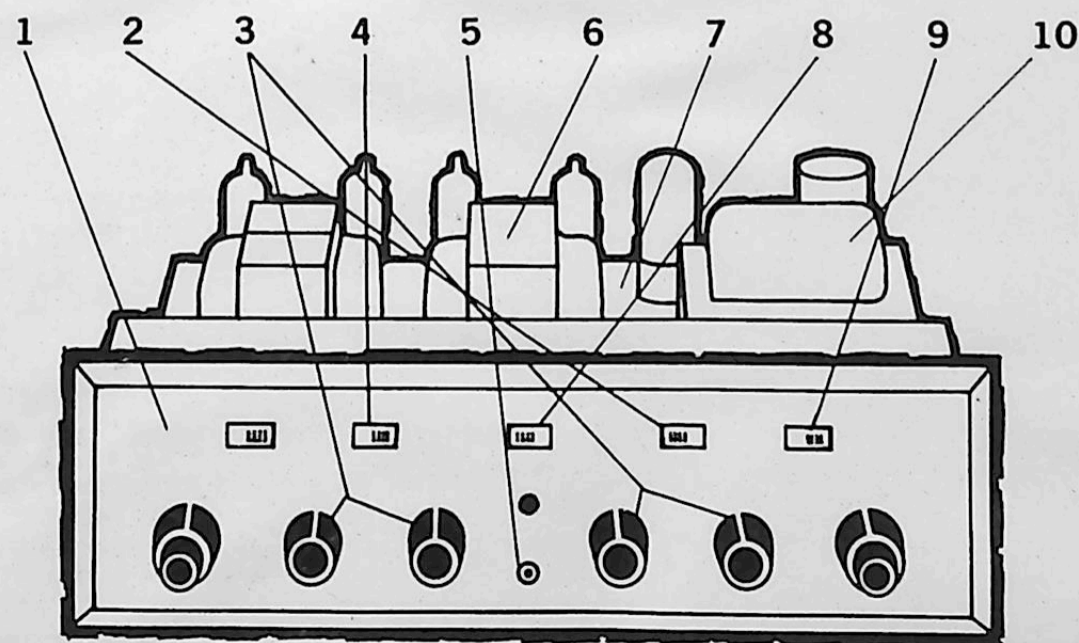
From the laboratories of Scott comes a remarkable budget-priced amplifier kit with all the power, performance, and features of amplifiers selling at much higher prices. The hefty, oversized output transformers give you power down to the lowest audible frequencies. This conservatively rated stereo amplifier will drive even inefficient loudspeakers to full room level. The handsome, good looks — the wide range of operating controls — make the completed kit

a tremendous value at any price.

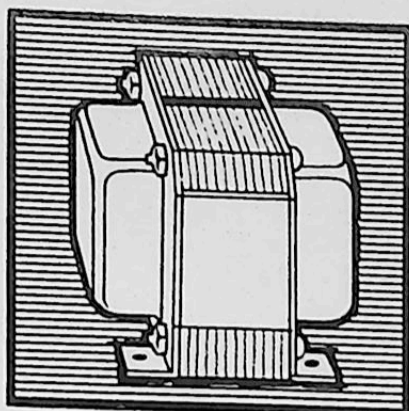
Like all Scott kits, the LK-30 is a joy to assemble thanks to the full color instruction booklet, the part-charts, the precut and prestripped wire, and the preriveted mechanical parts. Now there is no reason for budget-minded music lovers to settle for less than the best in stereo high fidelity . . . components from the world leader . . . Scott.

**Outstanding Features** 1. The carefully designed front panel is easy to read and easy to understand. 2. A separate On-Off Power switch is provided. Thus, the Volume/Balance Controls may be preset to a desired loudness level. 3. Dual tone controls; 4. Tape monitor operation; 5. Front panel stereo headphone output; 6. Derived center channel output; 7. All aluminum chassis; 8. Scratch filter; 9. Loudness-volume switch. 10. A unique Scott bias and hum adjustment system makes it easy for the kit builder to set the operating point of the amplifier to lowest distortion and hum. The built-in sub-sonic cutoff filter prevents power waste caused by rumble or eccentric records. Scott output circuitry delivers full power down to the lowest frequencies where power is really needed and where most moderately priced amplifiers fail to meet their published specifications.

As with all Scottkits, the LK-30 utilizes a fool-proof full-color instruction book. All wires are precut and stripped. Mechanical parts are already mounted and riveted to the chassis.

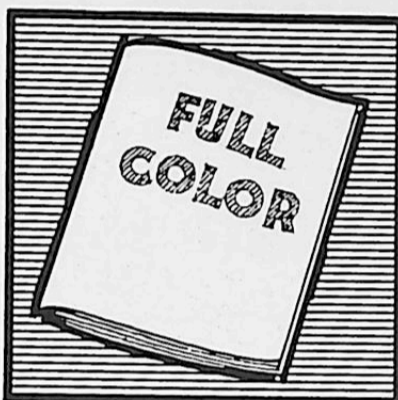
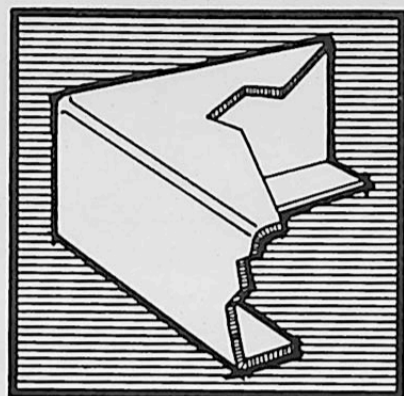


## MORE OUTSTANDING FEATURES OF THE MODEL LK-30



**Massive Output Transformers** — Only by using over-sized output transformers with hefty windings and a large number of laminations can an amplifier deliver power down to the lowest frequencies. This is where the power is really needed and where competitive amplifiers fail to meet their published specifications.

**All-Aluminum Chassis** — Non-magnetic electrolytic aluminum chassis reduces radiated hum pickup from power transformers, reduces circulatory ground currents and dissipates heat more rapidly than the steel chassis used in ordinary amplifiers.



**Color Instruction Book** — Exclusive full color instruction book "eliminates just about the last possible chance of wiring errors . . ." \* Every part and every wire is shown in natural color and in proper position.

**Exclusive Part Charts** — Each full color illustration in the instruction book is accompanied by its own Part Chart, another Scott exclusive. The actual parts described in the illustration are placed in the exact sequence in which they are used.



\*Popular Electronics, p. 71, Oct. 1962

## LK-30 SPECIFICATIONS

### Front Panel Features:

Seven Position Stereo Selector, Two Position Input Selector, Separate Left and Right Bass & Treble Controls, Clutched Dual Loudness Control, Tape Monitor Switch, Scratch Filter, Power Switch, Volume-Loudness Switch, and Headphone Jack.

### Rear Panel Features:

Switched Accessory Outlet, Speaker Terminals for 4, 8 and 16 Ohm Leads, Center Channel Output, Tape Recorder Output, Tape Recorder Playback Input, Tuner Input, Ceramic Cartridge Input, Magnetic Cartridge Input, and Equalization Curve RIAA (phono).

### Tube and Diode Complement:

1 5AR4, 4 6GW8, 3 12AX7, and 1 Silicon Rectifier.

**Power Consumption:** 120 watts.

**Dimensions in Accessory Case:** 15½" wide x 5¼" high x 13¼" deep.

**Panel Size:** 15" wide x 4¾" high.

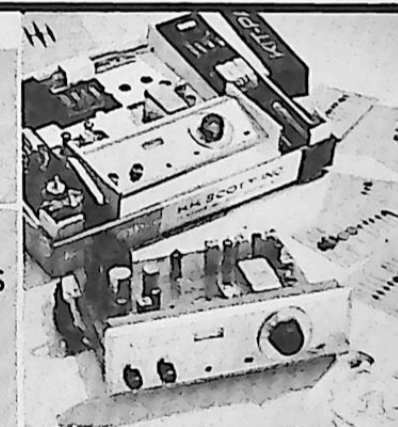
**Depth Behind Panel:** 13".

**Choice of Accessory Cases:** C (metal), CWW (walnut), or CW (mahogany).

Power rating (watts) (IHF)	15/15
Power Band (cps ±1 db) (IHF)	25-15,000
Frequency Response (cps ±1db)*	20-20,000
Harmonic Distortion (%)	0.8
Hum Level (db)	-70
Sensitivity on Phono (mv) or tape head	5
Power Rating-steady state (watts)	12/12

\*All Scott amplifiers incorporate a special low frequency cutoff to suppress low frequency noise.

## SCOTT IS THE LEADER — Compare These Key Features



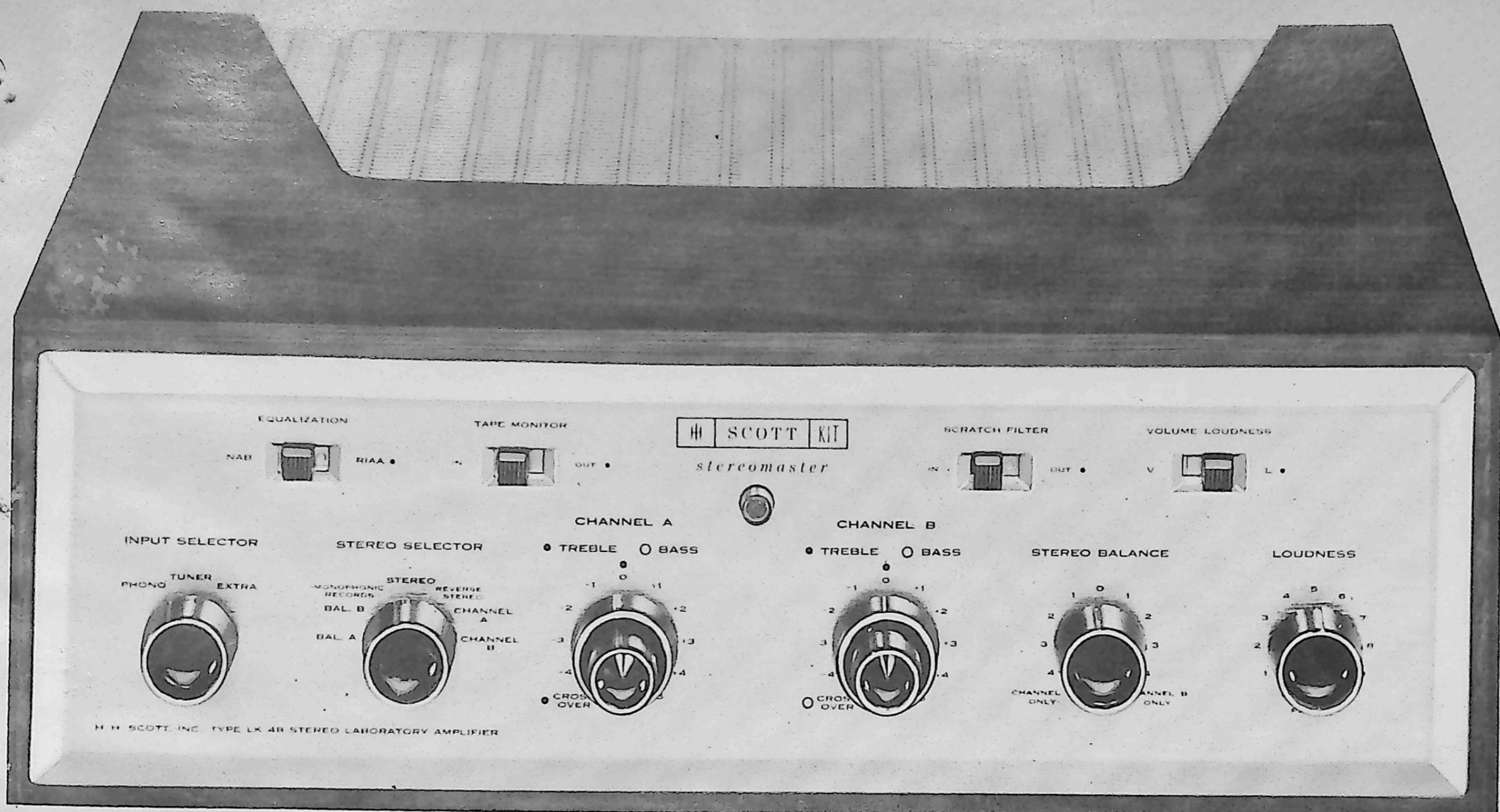
	Scott	Brand A	Brand B
Electrolytic aluminum chassis for lowest hum and best heat dissipation	yes	no	no
Separate bass and treble controls for maximum flexibility	yes	no	no
Stereo headphone output conveniently located on front panel	yes	no	no
Oversized output transformer for full power at low frequencies	yes	no	yes
Easy, fool-proof assembly assured with full color instruction booklet and part charts	yes	no	no
Price	99.95	79.95	94.95

Here's Why Popular Electronics says "it's Difficult to imagine a kit much simpler to assemble..."

1. Exclusive Full Color Instruction Book "eliminates just about the last possible chance of wiring errors . . ." Every part and every wire is shown in natural color and in proper position.
2. Part Charts — Each full color illustration is accompanied by its own Part-Chart®. Parts are placed in the exact sequence in which they are used.
3. Much of the uninteresting mechanical assembly is completed when you open your Scott Kit-Pak®.
4. Critical areas like FM front ends and multiplex sections are wired at the factory by Scott experts.
5. To insure accuracy all wires are pre-cut and prestripped to proper length.
6. All electronic parts are the same high quality specified for Scott factory-wired units and are protectively packaged on carefully identified plasticards.

# SCOTT®

H. H. SCOTT INC., 111 Powdermill Rd., Maynard, Mass.  
 Export: Morhan Exporting Corp., 458 Broadway, N.Y.C.  
 Canada: Atlas Radio Corp., 50 Wingold Ave., Toronto



## LK-48 48-WATT COMPLETE STEREO AMPLIFIER KIT

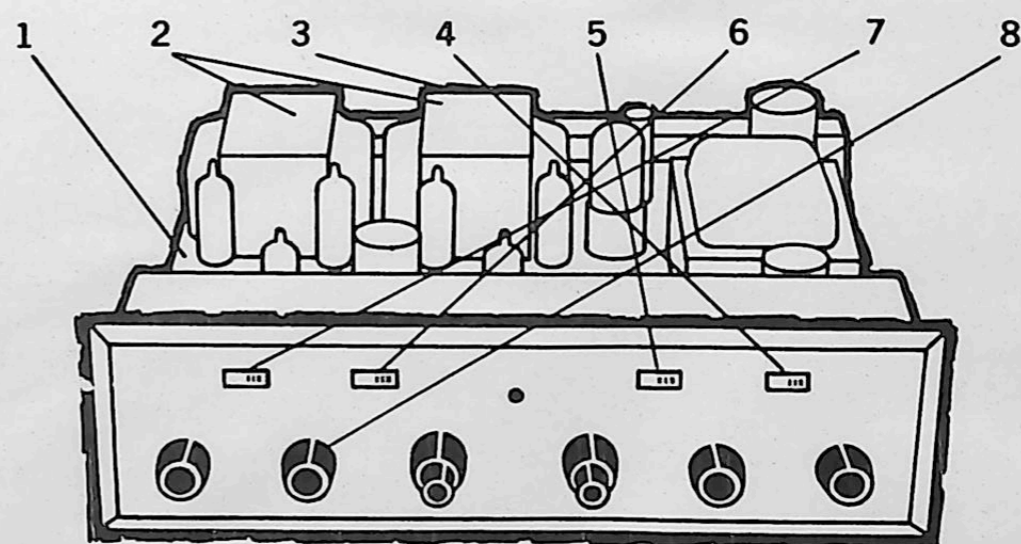
This popular amplifier kit has power enough for virtually any music system. Each of its rugged 24 watt output stages are measured to strict IHFM standards. They will deliver rated power down to 20 cps. Actually the LK-48 will deliver a full 28 watts of music power per channel at 20 cps.

The LK-48 has special equalization positions for phonograph and tape deck. Separate bass and treble controls for both channels provide a maximum of flexibility. Scott-pioneered de-

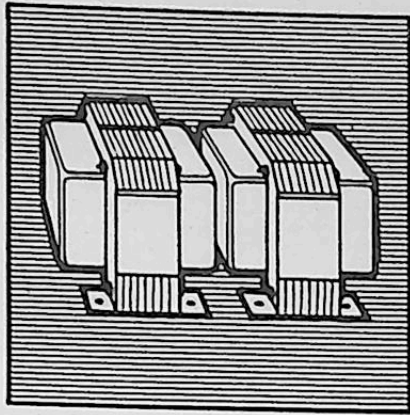
rived center channel will supply a signal for extension speakers or a center channel speaker.

All the luxury features you expect in Scott amplifiers are here including all aluminum chassis, DC-operated heaters for lowest hum, provisions for tape monitoring, and special patented channel-balance facilities. In features . . . in power . . . in performance the LK-48 is one of the finest amplifier kits you can buy, and with Scotts exclusive assembly techniques, one of the easiest to build.

1. Non-magnetic electrolytic aluminum chassis. 2. Massive output transformers. 3. Derived center channel output. 4. Switchable loudness compensation. 5. High frequency, 5 db per octave scratch filter. 6. Tape monitor facility. 7. Switchable Phono/Tape Equalization. 8. Exclusive Scott Balance Left/Balance Right balancing system.

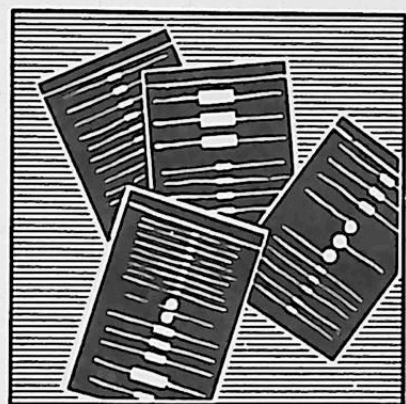
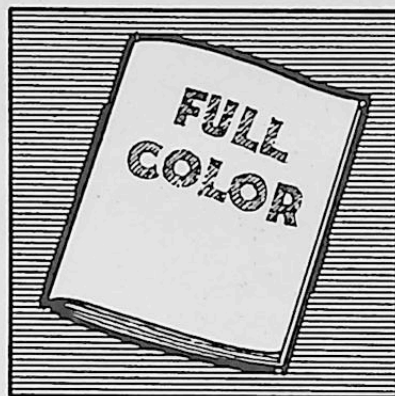


## UNIQUE FEATURES



Only by using massive output transformers with hefty windings and a large number of laminations can an amplifier deliver power down to the lowest frequencies. This is where the power is really needed and where competitive amplifiers fail to meet their published specifications.

Each full color illustration in the instruction book is accompanied by its own Part-Chart, another Scott exclusive. The actual parts described in the illustration are placed in the exact sequence in which they are used.



Much of the uninteresting mechanical assembly is completed when you open your Scott Kit-Pak. All the terminal strips and tube sockets are already permanently riveted to the chassis.

## SPECIFICATIONS

Front Panel Features: Input Selector, with these positions: Phono (mag low, mag high), Tuner, Extra. Stereo Selector with these positions: Balance Left, Balance Right, Monophonic, Stereo, Reverse Stereo, Left Channel, Right Channel. Other features include: Tape Monitor Switch, Equalization Switch (tape, RIAA), Scratch Filter, Separate Tone Controls, and Loudness Compensator.

Rear Panel Features: Inputs — Phono Mag High, Phono Mag Low, Tape Head, Tuner, Playback, Extra. Outputs — Tape Recorder, Derived center channel output.

Tube Complement: 4 12AX7, 4 7189, 2 7199, 1 5AR4. Dimensions in Accessory Case: 15½" wide x 5¼" high x 13¼" deep. Panel: 15" wide x 4¾" high, Depth behind panel 13". Weight: 26 pounds. Choice of Accessory Cases: C (metal), CWW (walnut), CW (mahogany).

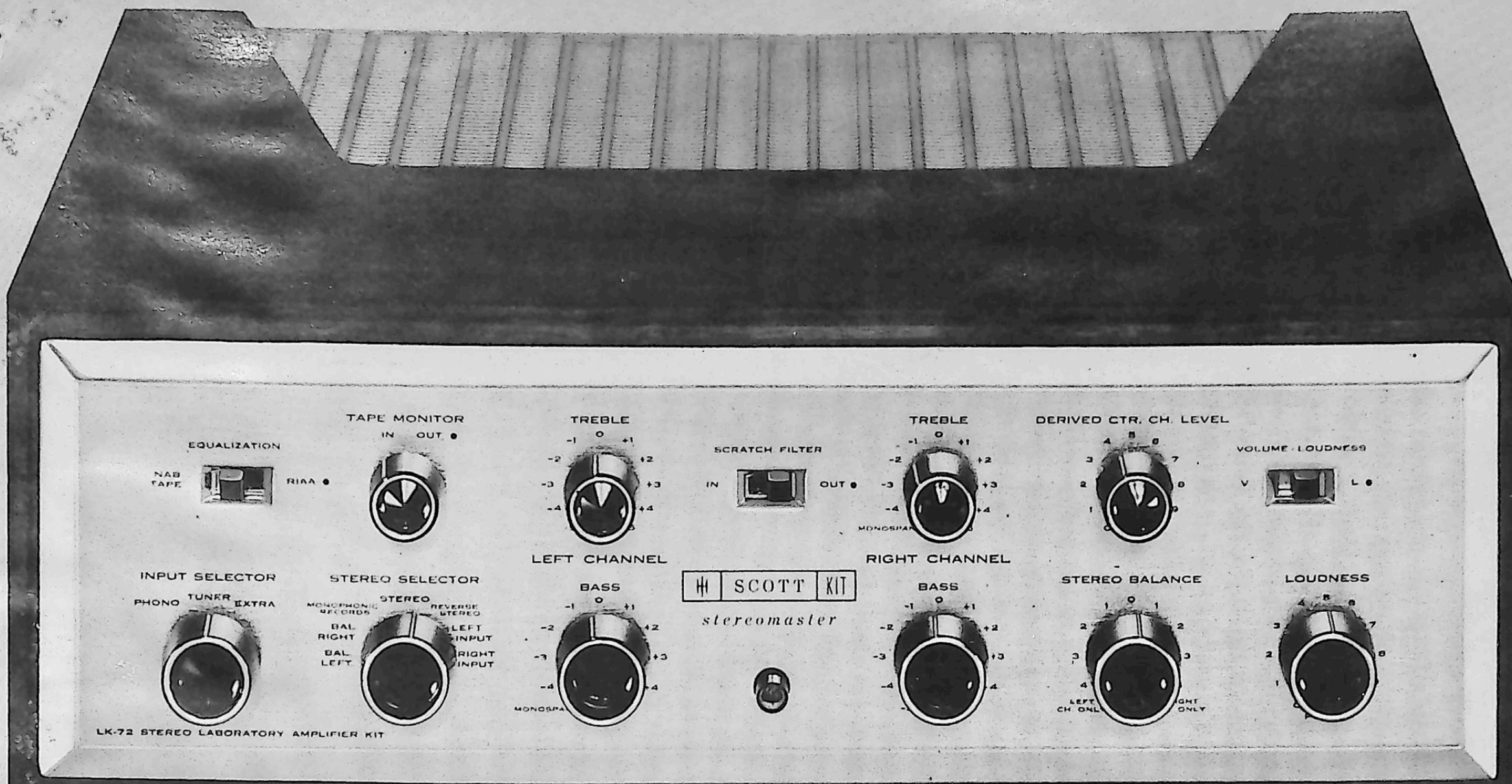
Music Power each channel (watts) . . . . . 24/24  
 Power rating-steady state (watts) . . . . . 20/20  
 Frequency response (cps ± 0.5 db) . . 20-20,000  
 Harmonic Distortion (%) . . . . . 0.8  
 Power Bandwidth (IHFM) (cps) . . . . . 20-20,000  
 Hum and Noise (db) . . . . . -80  
 Sensitivity (mv) . . . . . 5

## SCOTT IS THE LEADER... Compare These Key Features

	Scott LK-48	Brand A	Brand B
Watts (manufacturer rating)	24/24	25/25	25/25
Non-magnetic electrolytic aluminum chassis	Yes	No	No
Balance Left/Balance Right Feature	Yes	No	No
Full color instruction book for easy assembly	Yes	No	No
Part charts organize all parts in exact sequence of assembly	Yes	No	No
Small mechanical parts pre-mounted on chassis	Yes	No	No
Mono input to both speaker outputs	Yes	No	Yes



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 Canada: Atlas Radio Corp., 50 Wingold Ave., Toronto



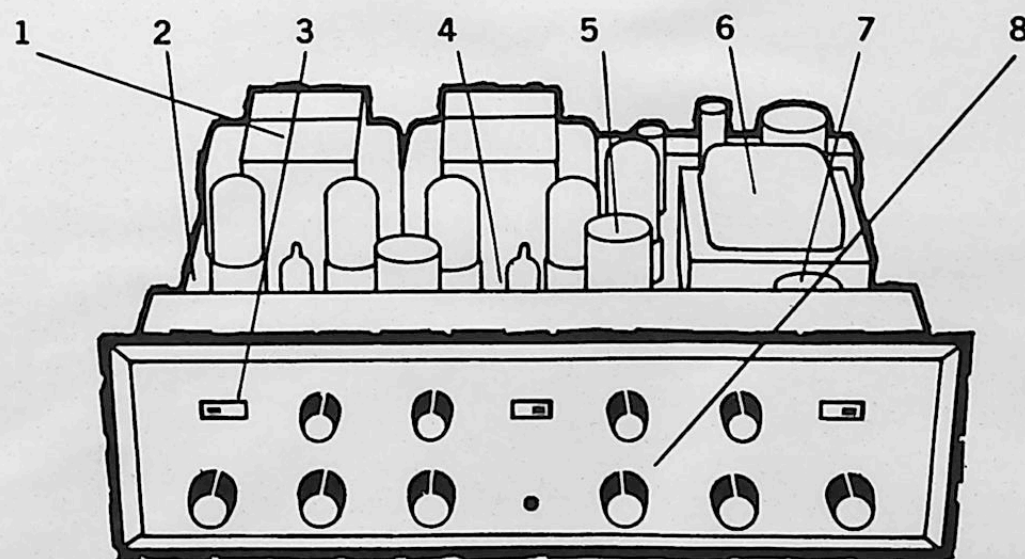
## LK-72 80-WATT STEREO AMPLIFIER KIT

The new LK-72 is the latest version of the most popular high power integrated stereo amplifier kit ever produced. Every conceivable control feature is found on this versatile amplifier.

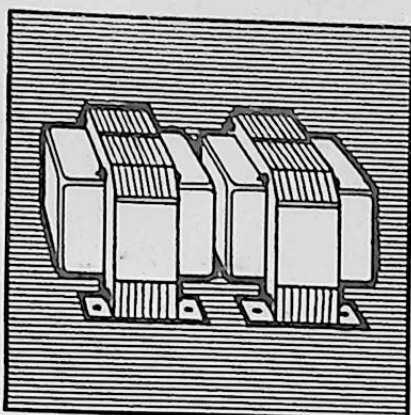
The LK-72 has special equalization positions for phonograph and tape deck. Separate bass and treble controls for both channels provide a maximum of flexibility. Scott-pioneered derived center channel will supply a signal for extension speakers or a center channel speaker.

The exclusive full size full color instruction book combined with the Scott Part Chart construction procedure make the assembly of this amplifier simple and fool proof. As with all Scott Kits, the uninteresting mechanical mounting of terminal boards, tube sockets, etc. has been done at the factory and all wires are pre-cut and prestripped to length. Conservatively rated at 40 watts per channel, the LK-72 is truly one of the finest amplifiers available in either kit or wired form.

1. Massive output transformers for full power at low frequencies. 2. Non-magnetic aluminum chassis for faster heat dissipation and low hum. 3. Either record player or tape deck selected from front panel. 4. DC heating on all preamp tubes assures low noise. 5. Unique method of bias adjustment makes it easy for kit builder to set for lowest distortion. 6. Conservatively engineered power supply loafs through big power surges. 7. Subsonic filter (at 20 cycle) prevents waste of useful power. 8. Famous Scott versatility in separate tone controls, tape monitor, mode selector, etc.

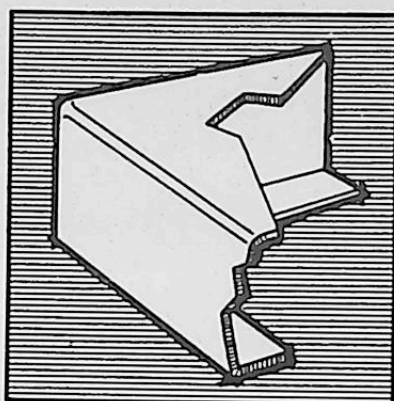


## UNIQUE FEATURES

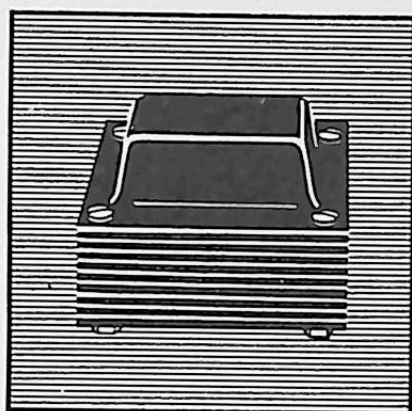


Only by using massive output transformers with hefty windings and a large number of laminations can an amplifier deliver power down to the lowest frequencies. This is where the power is really needed and where competitive amplifiers fail to meet their published specifications.

Non-magnetic electrolytic aluminum chassis reduces radiated magnetic hum pickup from power transformers, reduces circulatory ground currents and dissipates heat more rapidly than the steel chassis used in ordinary amplifiers.

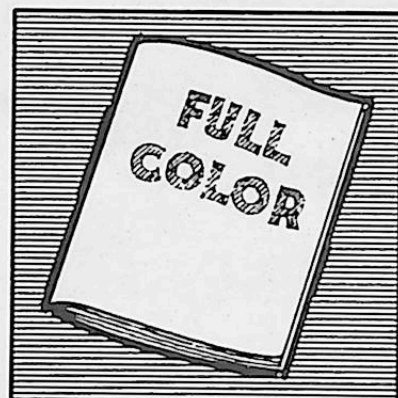


A conservatively engineered power supply allows the amplifier to loaf through the most demanding power surges on continuous high level requirements, such as organ music. The massive power transformer, filter capacitors and other components provide top performance at full power without excessive heat or voltage drop.



Exclusive full color instruction book "eliminates just about the last possible chance of wiring errors . . ."\* Every part and every wire is shown in natural color and in proper position.

\*Popular Electronics, Page 71, Oct. 1962



## SPECIFICATIONS

Front Panel Features: Input Selector with these positions: Phono, Tuner, Extra. Stereo Selector with these positions: Balance Left, Balance Right, Monophonic, Stereo, Reverse Stereo, Left Channel, Right Channel. Other features include: Tape Monitor, Scratch Filter, Loudness Compensator and Individual Bass and Treble.

Rear Panel Features: Inputs — Mag Phono (high, low), Ceramic, Tuner, Extra, Playback (tape monitor): Outputs — Tape Recorder, Derived Center channel output.

Tube Complement: 4 7591, 2 6GH8, 4 12AX7, 1 5AR4, 1 Selenium Rectifier. Dimensions in Accessory Case: 15½" wide x 5¼" high x 13¼" deep. Panel 15" wide x 4¾" high. Depth behind panel 13". Weight: 30 pounds.

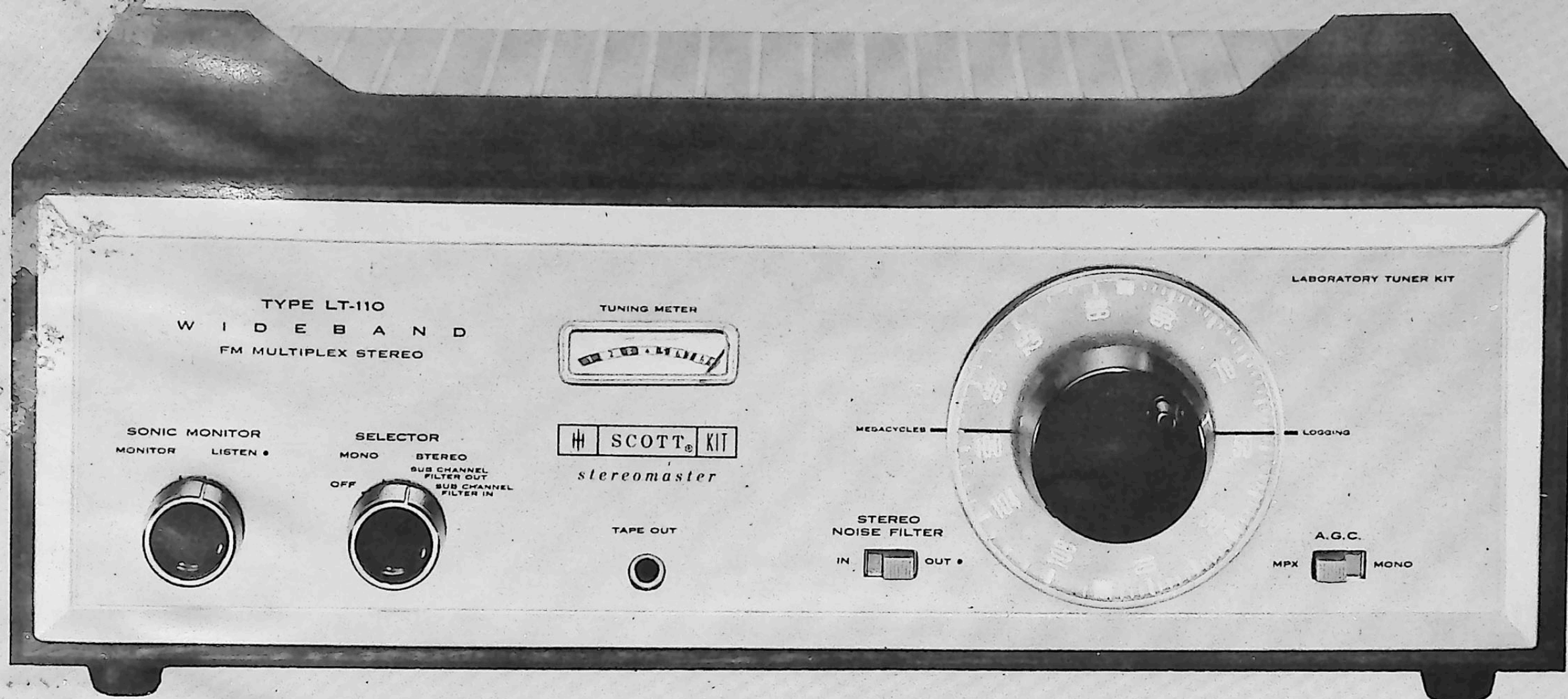
Power Rating (watts) (IHFM) . . . . .	40/40
Power Band (cps ± 1 db) . . . . .	20-20,000
Frequency Response (cps ± 1db) . . . . .	20-20,000
Harmonic Distortion (%) . . . . .	0.8
Hum level (db) . . . . .	-80
Power Rating Steady State . . . . .	35/35

## SCOTT IS THE LEADER... Compare These Key Features

	Scott LK-72	Brand A	Brand B
Watts (Manufacturer's rating)	40/40	40/40	40/40
Non-magnetic electrolytic aluminum chassis	Yes	No	No
Balance Left/ Balance Right Feature	Yes	No	No
Separate power on-off switch	Yes	No	Yes
Full color instruction book for easy assembly	Yes	No	No
Part charts organize all parts in exact sequence of assembly	Yes	No	No
Small mechanical parts factory pre-assembled	Yes	No	No



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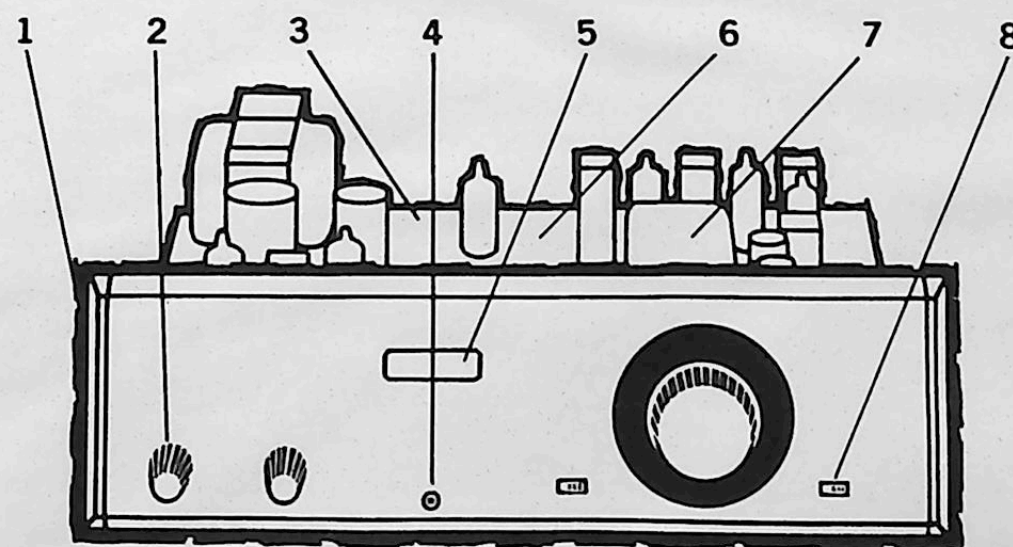


## MODEL LT-110 FM MULTIPLEX TUNER KIT

The fabulous new LT-110 Tuner gives unsurpassed reception of both FM Multiplex Stereo and monophonic FM broadcasts. The exclusive Scott invention, Sonic Monitor\*, accurately signals you when FM Stereo is on the air. Like all Scott kits the LT-110 is extremely easy to build. All critical sections are wired and pre-tested by experts at the factory. All electronic parts are the same high-quality specified for Scott factory-wired units and are protectively

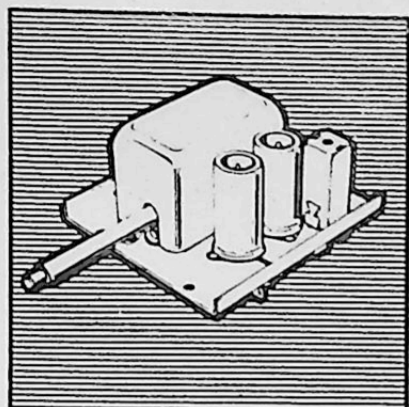
packaged on carefully identified Plasticards. Scott's exclusive full-color instruction book and matching Part-Charts make assembly a pleasure. Even a novice can expect performance equal to Scott factory-wired units. Scott tuners are used for off-the-air monitoring by virtually every FM and FM Stereo station in the United States and Canada. The LT-110 has been acclaimed by every leading technical magazine in the field.

1. New decorator styling.
2. Unique Sonic Monitor.
3. Non-magnetic electrolytic aluminum chassis.
4. Tape recorder output jack.
5. Precision, illuminated tuning meter.
6. Output level controls.
7. Silver plated tuning section.
8. Switchable A.G.C. for improved subcarrier signal.



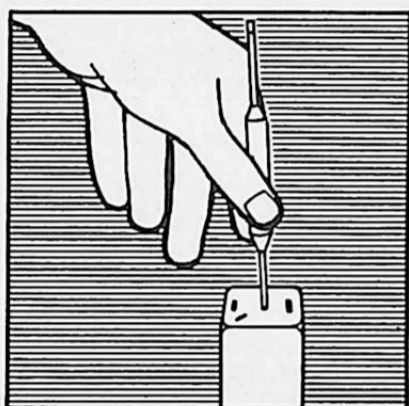
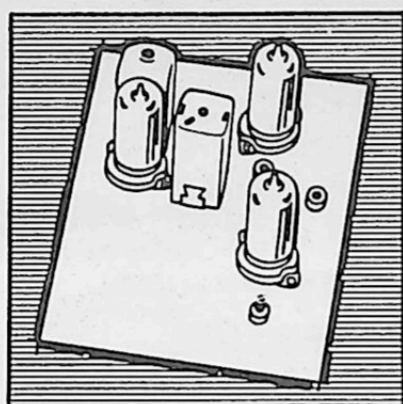
\*Pat. Pend.

# UNIQUE FEATURES



Silver plated front end. Only Scott of all manufacturers heavily silver plates cascode RF front ends to attain maximum sensitivity and most reliable performance. The Front end is pre-wired and pre-aligned at the factory.

Scott-perfected "Time-Switching" multiplex circuitry has become the standard of the entire high fidelity industry. This remarkable circuit provides maximum separation and flawless off-the-air tape recording. The multiplex section is pre-wired and pre-aligned at the factory to guarantee you top performance.



The unique Scott Ez-A-Line alignment method permits the kit builder to perfectly align his LT-110 by using the tuning meter on the front panel. No expensive laboratory test equipment is needed.

Scott's unique Sonic Monitor\* provides a positive, reliable indication of FM stereo broadcasting. By tuning to the cleanest tone you automatically achieve best possible stereo separation.



\*Patent Pending

# SPECIFICATIONS

Front Panel Features Include: Sonic Monitor, Listen; Selector Switch with these positions: Off, Mono, Stereo-subchannel filter out, Stereo-subchannel filter in. Other features include: Tape Jack, Tuning Meter, Stereo Noise Filter, AGC switch, Vernier tuning dial with pilot light.

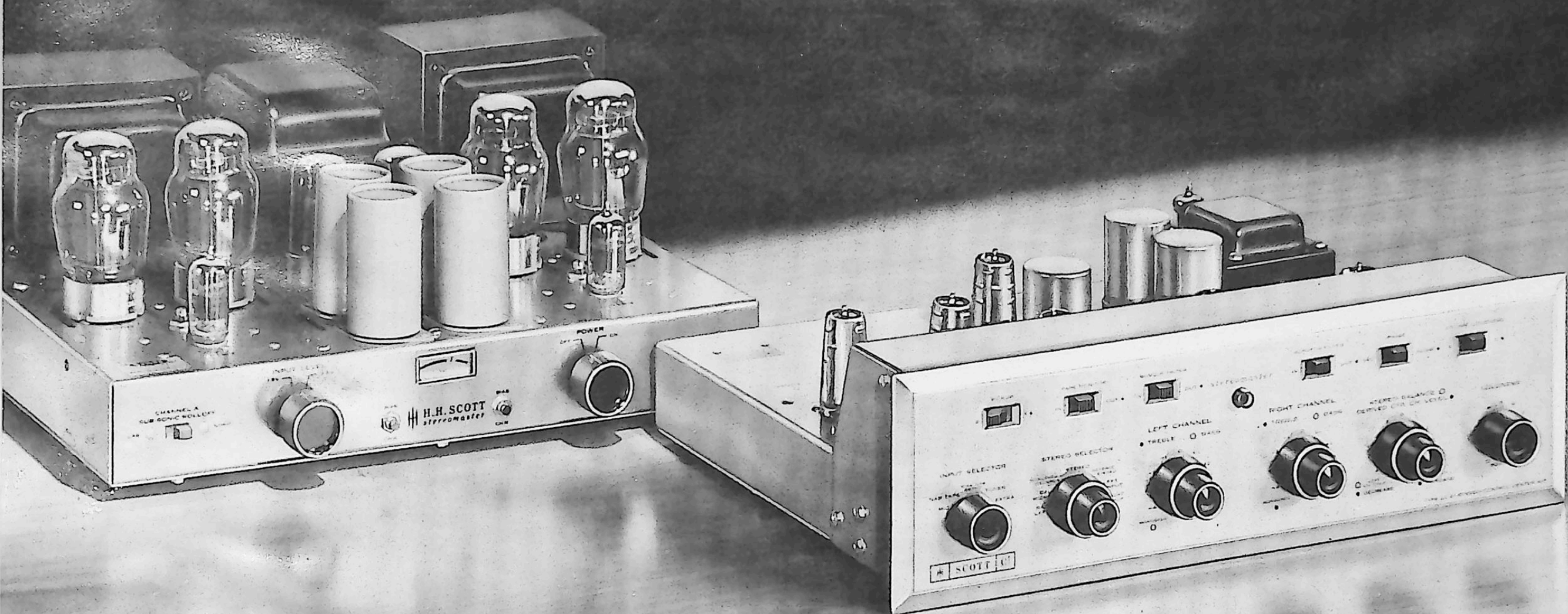
Rear Panel Features: Audio Outputs — Amplifier, Tape, Level Controls, Right and Left. Tube Complement: 3 6AU6, 1 6BL8, 1 6BS8, 1 6U8, 1 12AT7, 1 12AU7, 1 IN99, 8 IN259, 2 IN541, 1 Selenium Rectifier. Dimensions in Case: 15½" wide x 5¼" high x 13¼" deep. Panel — 15" wide x 4¾" high. Depth behind panel — 12".

- Usable Sensitivity ( $\mu$ V) .....2.2
- Signal: Noise Ratio (db) .....60
- Harmonic Distortion (%) .....0.8
- Drift (%) .....0.02
- Frequency Response (cps  $\pm$  1 db) ...30-15,000
- Capture Ratio (db) .....6.0
- Selectivity (db) .....35
- Spurious Response Rejections (db) .....80
- Audio Hum (db below 1 volt) .....66
- Sensitivity for 20 db quieting with matched 72 Ohm antenna .....1.0
- AM Suppression (db) .....55
- Separation (db) .....better than 30

## SCOTT IS THE LEADER... Compare These Key Features

Features	Scott LT-110	Brand A	Brand B
Easy assembly with Full-Color Instruction Book	Yes	No	No
Sensitive Silver-plated Front End Chassis	Yes	No	No
Part charts organize all parts in exact sequence of assembly	Yes	No	No
Two-megacycle Wide-Band Detector	Yes	No	No
Scott pioneered Time-Switching Multiplex Circuitry	Yes	No	Yes
Foolproof Stereo Indicator	Yes	No	No
Low Drift without distortion producing AFC	Yes	No	Yes

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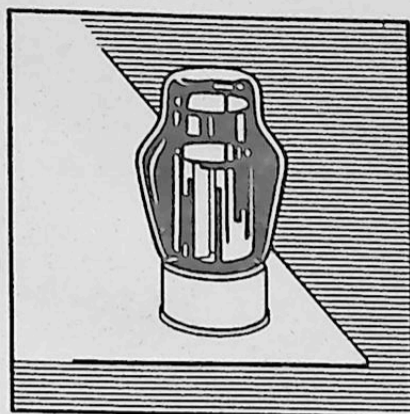


## MODEL LC-21 STEREO CONTROL CENTER and MODEL LK-150 STEREO POWER AMPLIFIER

This is a combination of reproducing instruments designed for the audio perfectionist. The control center is so versatile that it permits you to adjust for any conceivable type of program material. It is so perfectly designed that distortion is below the limits of even the finest test equipment, and cannot be accurately measured. The mighty LK-150 is the ultimate power amplifier. Rated at 65 watts (IHF) per channel it will bring out details in your favorite pro-

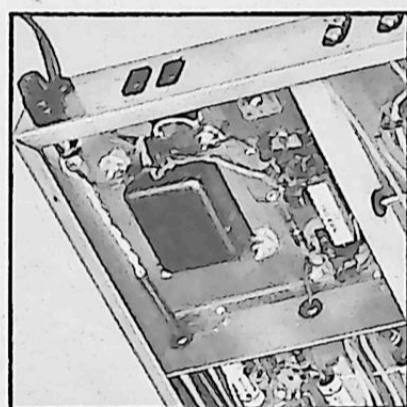
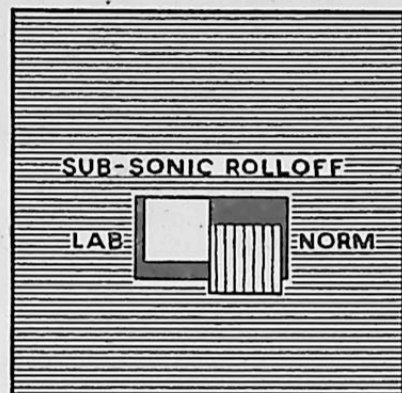
gram material that you never knew existed. At low frequencies where power is really needed, the LK-150 will effortlessly supply a clean 80 watts (IHF) per channel. For all practical purposes, distortion and non-linearity do not exist. Easy to build, the combination of these two units will provide the demanding music listener with the finest amplification system available at the present state of the art.

# UNIQUE FEATURES



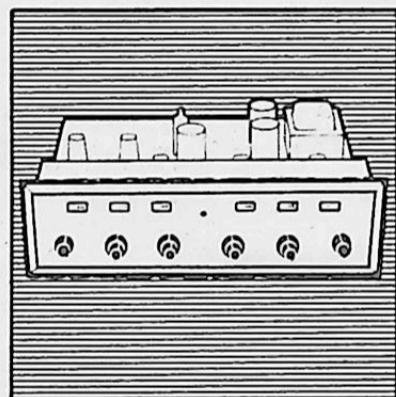
Matched 6550 output tubes, rated at 100 watts, are used well below manufacturers' ratings to assure long life.

Switchable subsonic filters for each channel provide either a slow rolloff below 20 cps, or a flat response to under 5 cps. This makes the LK-150 perfect for use in laboratory measurements or for square wave response analysis.



Total hum and noise is less than 0.5 milli-volts. This low noise level is the result of an aluminum chassis, copper-shielded power transformer, and a separate shielded compartment for the entire power supply.

Among the 16 front panel controls are complete tape monitor switching facilities, front panel derived center channel level control, electronic phase reverse switch, separate tone controls, inputs for record player and tape deck switchable from front panel, and patented Scott balancing method.



**Front Panel Features (LC-21):** Five position Input Selector with separate equalization curves for: Phono, Tape, and Microphone. Seven position Stereo Selector, Tape Monitor switch, Rumble Filter, Left channel Treble & Bass controls, Right channel Treble & Bass controls, Pilot light, Scratch filter, Phase Reverse switch, Volume-Loudness switch, Stereo Balance control, Divided Center Channel level control, Loudness control.

**Rear Panel Features (LC-21):** Two switched accessory outlets, 2.5 volt outputs, Recorder playback inputs, Recorder outputs, Extra inputs, Tuner inputs, Two sets of magnetic inputs, Center channel output.

**Power Amp Features (LK-150):** Input level switch, Subsonic rolloff switches (each channel), Bias potentiometers (each channel), Bias meter, (switchable to each channel), Power switch, Preamp inputs, Two switched accessory outlets, output terminals for 4, 8 & 16 Ohm load.

**Tube and Diode Complement:** (LC-21) 1 6X4, 6 12AX7, 1 Selenium Rectifier. (LK-150): 2 5AR4, 2 7199, 2 6550 (matched pairs), 1 Selenium Rectifier. **Maximum Power Consumption:** LC-21 35 watts, LK-150 443 watts. **Dimensions in Accessory Case (LC-21):** 15½" wide x 5¼" high x 13¼" deep. **Dimensions without Accessory Case (LK-150):** 15" wide x 6½" high x 11¼" deep. **Panel Size (LC-21):** 15" wide x 4¾" high. **Depth behind panel 12".**

**Choice of Accessory Cases:** LC-21 C (metal), CW (mahogany), CWW (walnut). LK-150 C-150 Cage.

List prices slightly higher west of the Rockies.

## Power Amp — LK-150

Power rating (IHFM Music Waveforms) (watts)	65/65
Power Rating (steady state) (watts)	60/60
Power response at 65 watts (cps)	19-25,000
Power Bandwidth at rated distortion (IHFM) (cps)	19-25,000
Total Harmonic Distortion (%)	0.5
Total IM Distortion (%)	0.5
Hum and noise total (mv)	0.5
Hum and noise Total (db)	-100
Frequency response (5 watts ± 1 db (cps))	4 to 55,000
Damping factor	over 16 to 1

## Preamp — LC-21

Output (volts)	2.5
Total Harmonic Distortion (%)	under 0.1
Total IM Distortion (CCIF or SMPTE) (%)	under 0.2
Hum and noise total (db)	-85
Frequency response (± 1 db) (cps) below 10 to over 50,000	
<b>Sensitivity:</b>	
Tape Head (mv)	2.5
Mag input (mv)	3.0
high level (volts)	0.5

## HERE'S WHAT THE EXPERTS SAY:

"Noise is totally inaudible under any listening conditions . . . Listening to music with the LC-21 proves to be as rewarding as it was with the power amplifier. It impinges nothing of itself on the performance while providing positive control." *American Record Guide, April, 1962*

"... The Scott LC-21 is a high quality stereo pre-amplifier-control unit available in kit form. Tests of the kit-built version, conducted by the United States Testing Company, Inc., indicate that the unit either meets or exceeds its specifications.

Harmonic distortion, for instance, was so low as to be unmeasurable. The unit is a trouble-free, satisfying project for the do-it-yourselfer as well as a first rate audio component when finished . . ."

*High Fidelity Magazine, Feb., 1963.*

"... Checking my notebook for my feelings about the music capabilities — I find only two words, "immaculate sound". This unit (LK-150) belongs to that very small group of components which allow you to "see" past the equipment into the performance itself."

*American Record Guide, April, 1962.*



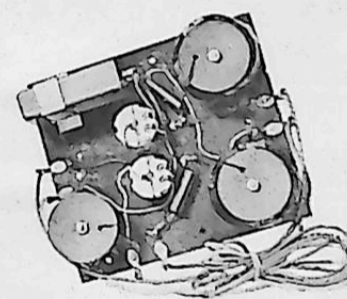
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## S-2, S-3, and S-4 THREE-WAY WIDE-RANGE SPEAKER SYSTEMS

All Scott speaker systems incorporate three-way design to insure that every driver operates over its optimum frequency range. This design utilizes separate woofer, mid-range and tweeter units. Scott engineers have developed unique multiple crossover networks to insure that the advantages of three-way design are combined with smoothness of response over an extended frequency range. These crossover networks eliminate peaks and valleys common to the response patterns of most speaker systems. Room placement of Scott speakers is non-critical because of the utilization of wide dispersion mid-range and tweeter drivers. The full frequency range can be enjoyed regardless of speaker location.

### SECRET OF THE SUPERB SOUND OF SCOTT SPEAKER SYSTEMS UNIQUE CROSSOVER NETWORK

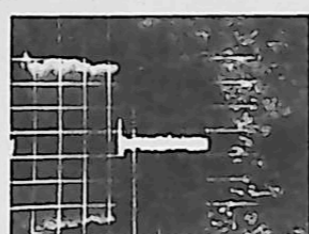
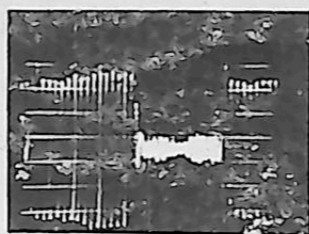


“... the crossover network is used ... in a manner similar to the way a tone control is used to compensate for room acoustics ... We can consider the enclosure for the speakers as a ‘room’ with individual acoustics, and the crossover network as a ... device used to boost or cut those frequencies that require it ... a clever idea. The only question that remains to be answered is how well the H. H. Scott engineers succeeded? Very well! On the other hand, it would have been very surprising if they hadn’t done an excellent engineering job: excellent engineering is really their stock in trade.”

*Audio, March 1962, page 44.*

	S-2	S-3	S-4
Impedance (Ohms)	8	16	16
woofer diameter (inches)	12	8½	10
midrange	dual, five inch drivers angled for maximum dispersion	special wide range 5" high dispersion cone driver	
tweeter	Hemispheric dome tweeter	special cone tweeter	
Measurable frequency response	20 to 20,000 cps.	20 to 16,000 cps.	35 to 16,000 cps
Dimensions	23¾" x 14½" x 12½" deep	23½" x 11¾" x 9¾" deep	22" x 11" x 9" deep

**Finishes available: oil walnut, mahogany, unfinished pine (for opaque finishes or custom installations only), and unfinished hardwood (for custom furniture finishing).**



## Here's what the experts say...

"The H. H. Scott S-3 is a true bookshelf speaker system, measuring approximately 24" x 12" x 10" deep and weighing about 35 lbs. Like the larger and more expensive *Scott S-2*, it is a three-way system using a 10" low-resonance woofer, an acoustically isolated mid-range speaker, and a small high-frequency tweeter. Separate level controls are provided for the mid- and high-frequency speakers, allowing the user to tailor the over-all response of his own taste.

We found the recommended level control settings to be perfectly satisfactory to our ears, and the centers of the suggested ranges were used in our tests.

The frequency response of the S-3 was measured in the same manner as all other speakers we test, in a live room with two different speaker locations and eight different microphone locations. It must be realized that this does not give any sort of absolute frequency response, and therefore response curves are not shown but rather to us it shows trends, relatively free from room resonance effects.

The response of the *Scott S-3* proved to be exceptionally smooth over-all. It is within plus or minus 7.5 db from 32 cps to over 12 kc. Its general shape is quite smooth particularly in the 100 to 200 cps region, with a somewhat higher output in the upper middles and highs. The S-3 has very low bass distortion for a speaker of its size and price. It never exceeds 5% down to 20 cps, even at the considerable acoustic levels generated at our 10-watt test input level.

The tone-burst response of the S-3 system shows it to have excellent transient response, quite free from hang-over or spurious frequencies at any point in its range.

Listening tests proved once again that the tone-burst test offers an excellent clue to the listening qualities of a speaker. The S-3 has an exceptionally clean, balanced, and transparent sound. Although it is appreciably smaller than other speakers in its price range, it holds its own handily by comparison to them. In fact, it compares very favorably to other systems costing two to three times as much. We liked its true, musical sound immediately on hearing it for the first-time, and it continued to please us with continued use.

*Hirsch-Houck Report,  
Electronics World, March, 1962*

"... a clean speaker and a very smooth one ... There is no boom or bass hangover here. Every sound is heard ..."

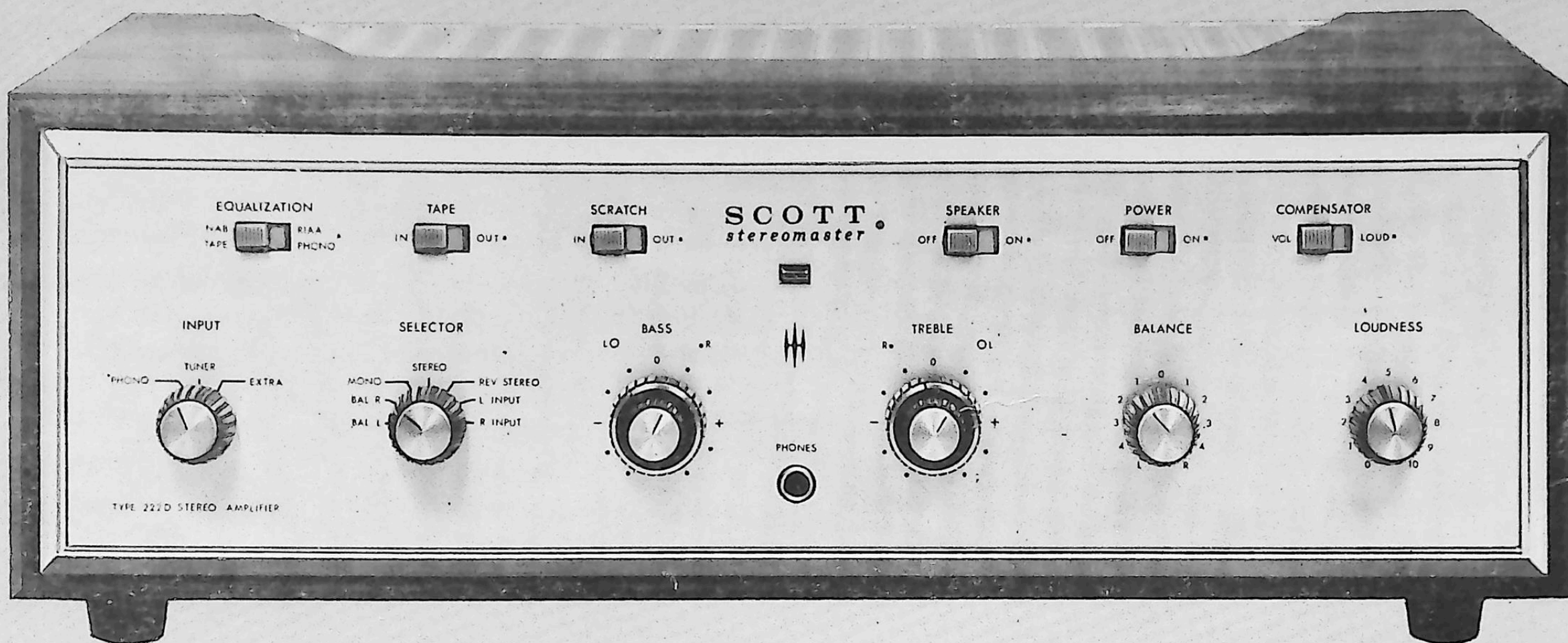
*American Record Guide, February, 1962*

"... The first time we observed this speaker system several months ago we were impressed by a very significant fact, the design of the ... (enclosure) was extremely sensitive and handsome. This was significant to us because a speaker system of this type is intended to be a piece of furniture as well as a music reproducer ... The H. H. Scott Model S-3 speaker system reproduces music with as little coloration as any bookshelf speaker system we have heard. Both extremes of the audible frequency spectrum are solid while the midrange has just that touch of brightness that we personally enjoy."

*Audio, March 1962*

**SCOTT**

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## 222D 50-WATT COMPLETE STEREO AMPLIFIER

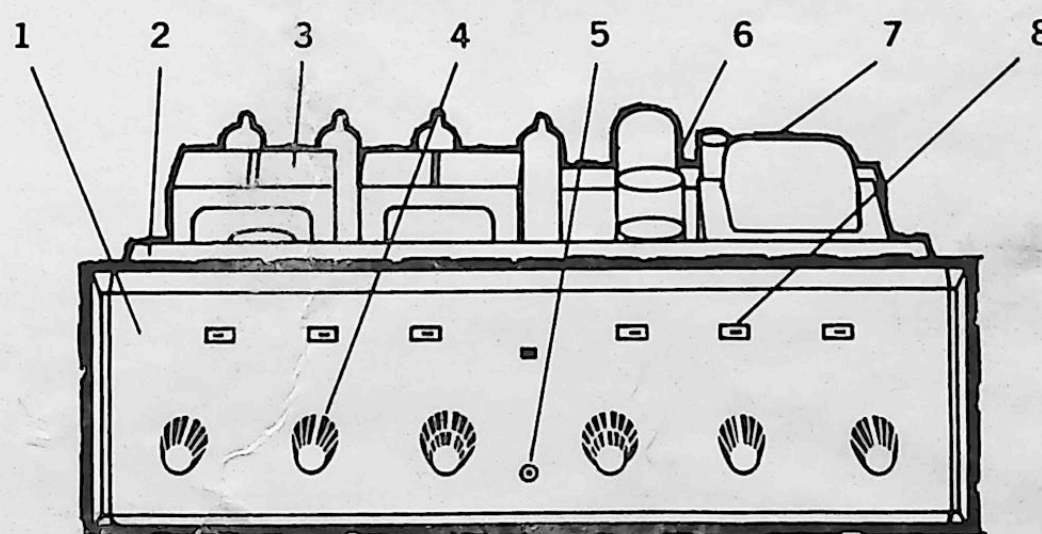
This moderately priced amplifier offers the power, the features, the looks and the reliability to make it the best seller in its field. Heavy duty output transformers provide superb bass response even with inefficient speaker systems.

A speaker switch and front panel headphone output permit private listening with the speakers silenced. A powered center channel output supplies audio output to an extension speaker system or a center channel speaker

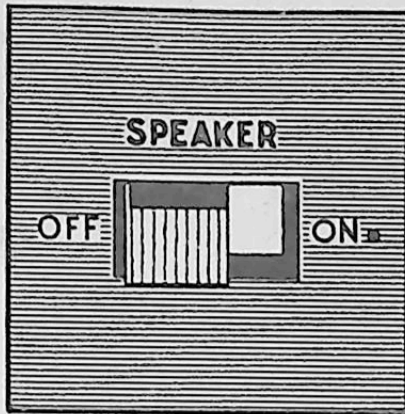
without any additional amplifiers.

Special features include separate tone controls for each channel, DC on preamp tubes for lowest hum, and Scott's patented balancing system to assure equal level from both speakers. Only the finest conservatively rated parts are used. The all-aluminum chassis construction assures efficient cooling and reduces hum to inaudible levels. The 222D is the ideal amplifier to build a quality music system around.

1. New decorator styling. 2. Non-magnetic electrolytic aluminum chassis. 3. Massive output transformers. 4. Exclusive Scott Balance Left/ Balance Right balancing system. 5. Headphone output. 6. Driven center channel speaker output. 7. Phase switch. 8. Separate power switch.

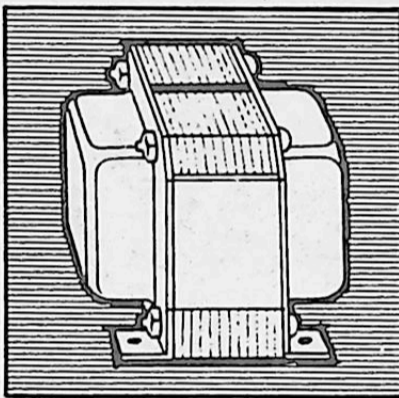
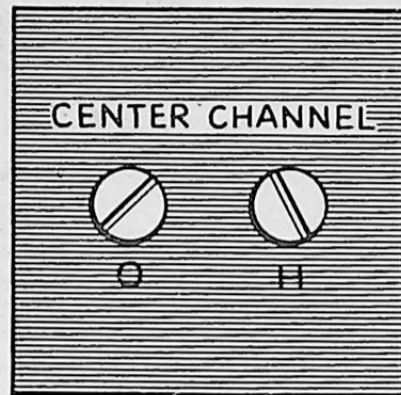


# UNIQUE FEATURES



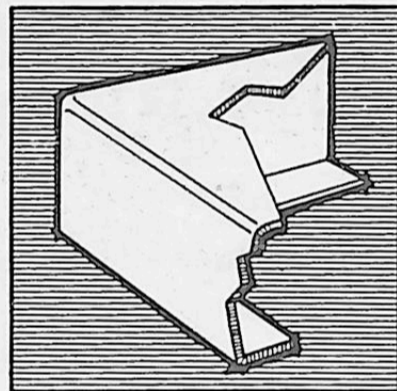
Speaker Switch and front panel headphone jack permit private use of earphones by completely silencing the speakers. All output taps are switchable, regardless of impedance.

Center Channel power output jack directly drives a separate speaker system without the need for a separate power amplifier. This will also drive a remote speaker system using either the master level control or a remote control.



Only by using massive output transformers with hefty windings and a large number of laminations can an amplifier deliver power down to the lowest frequencies. This is where the power is really needed and where competitive amplifiers fail to meet their published specifications.

Non-magnetic electrolytic aluminum chassis reduces radiated magnetic hum pickup from power transformers, reduces circulatory ground currents and dissipates heat more rapidly than the steel chassis used in ordinary amplifiers.



# SPECIFICATIONS

Front Panel Features: Input Selector with Phono, Tuner, and Extra positions. Stereo Selector with Balance Left, Balance Right, Monophonic, Stereo, Reverse Stereo, Left Channel and Right Channel positions. Other front panel controls include: Tape Monitor Switch, Equalization Switch (tape, RIAA), Scratch Filter, Separate Tone Controls, Speaker/Earphone Switch, and Loudness Compensator.

Rear Panel Features: Inputs — Phono Mag High, Phono Mag Low, Tape Head, Tuner, Playback, Ceramic, and Extra. Outputs — powered center channel speaker output, Tape Recorder, Derived center channel output, and Speaker Phase Switch. Tube Complement: 4 12AX7, 4 7189, 2 7199, 1 5AR4, and 1 Selenium Rectifier. Dimensions in Accessory Case: 15½" wide x 5¼" high x 13¼" deep. Panel: 15" wide x 4¾" high. Depth behind panel is 13". Weight: 26 pounds. Choice of Accessory Cases: C (metal), CWW (walnut), or CW (mahogany).

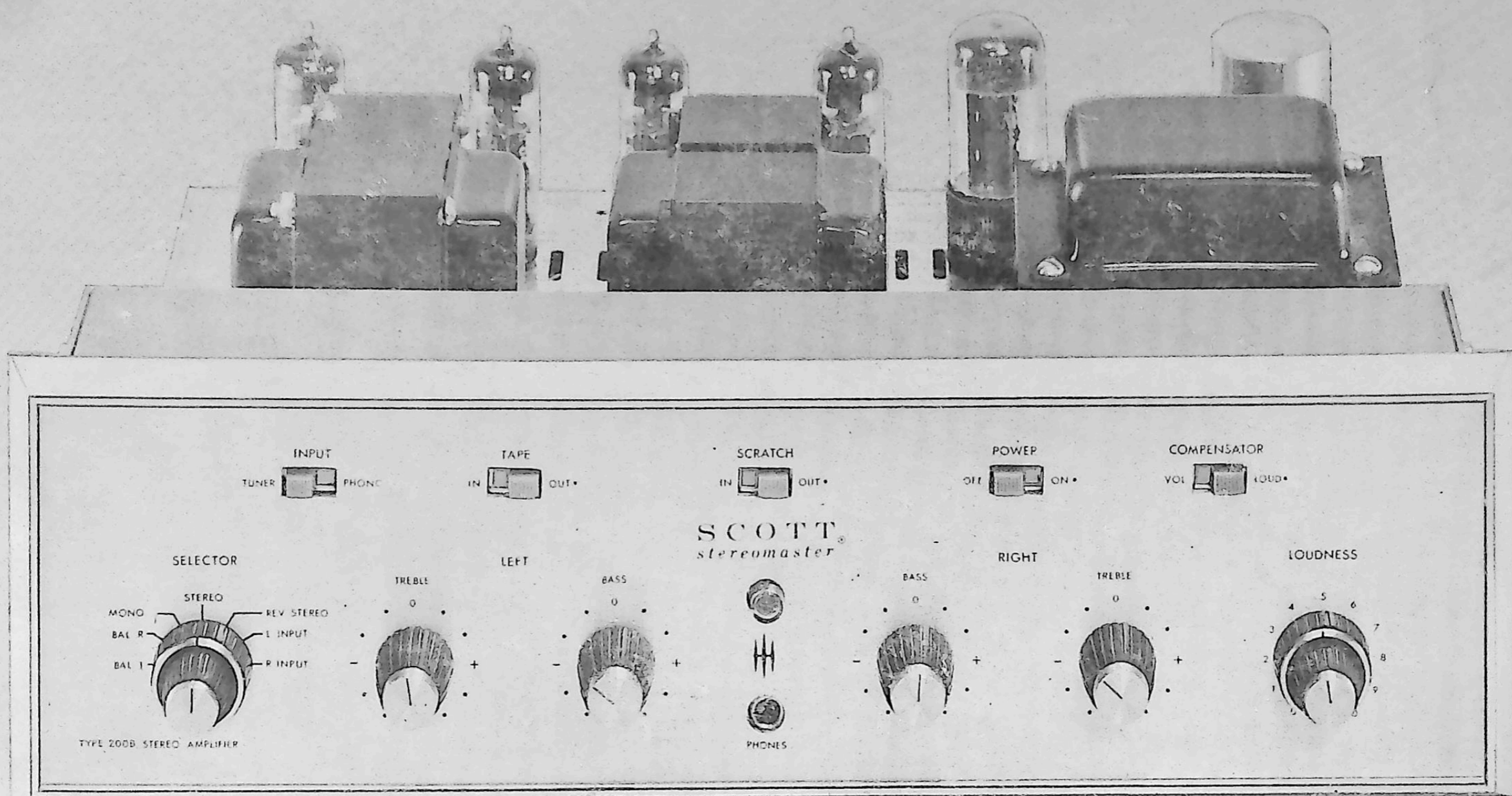
Music Power each channel (watts) . . . . . 25/25  
 Power Rating steady state (watts) . . . . . 20/20  
 Frequency Response (cps ± 1 db) . . . 20-20,000  
 Harmonic Distortion (%) . . . . . 0.8  
 Power Bandwidth (IHFM) (cps) . . . . . 20-20,000  
 Hum and noise (db) . . . . . -80  
 Sensitivity (mv) . . . . . 3

## SCOTT IS THE LEADER... Compare These Key Features

	Scott 222D	Brand A	Brand B
Watts (manufacturer rating)	25/25	30/30	30/30
Non-magnetic electrolytic aluminum chassis	Yes	No	No
Balance Left/ Balance Right Feature	Yes	No	No
Convenient headphone output on the front panel	Yes	Yes	No
Separate tape head input	Yes	Yes	No
Separate front panel speaker switch	Yes	Yes	No
Separate power on-off switch	Yes	No	Yes
Availability of single channel mono input to both speaker outputs	Yes	No	Yes
Phase reverse switch	Yes	No	No



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 Export: Morhan Exporting Corp., 458 Broadway, N.Y.C.  
 Canada: Atlas Radio Corp., 50 Wingold Ave., Toronto

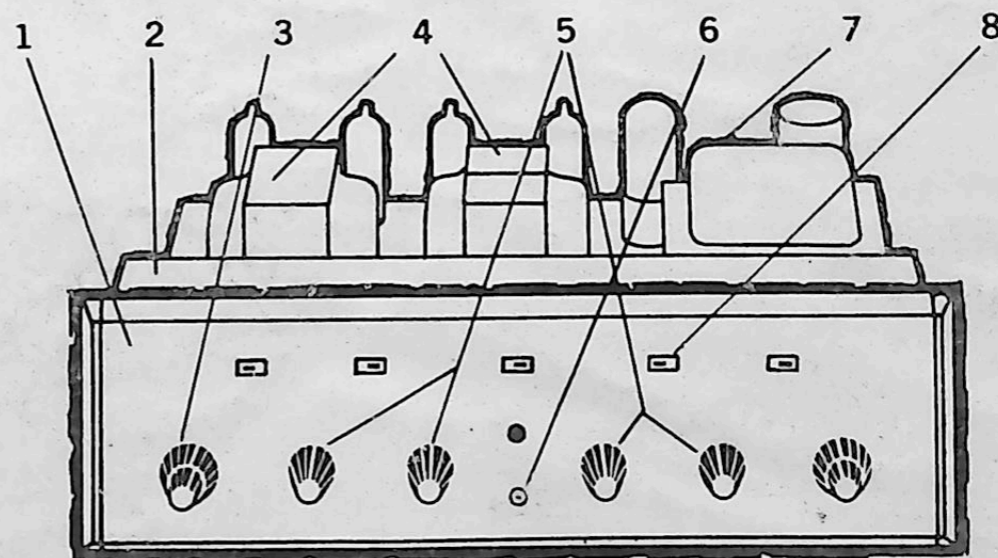


## MODEL 200B 30-WATT STEREO AMPLIFIER

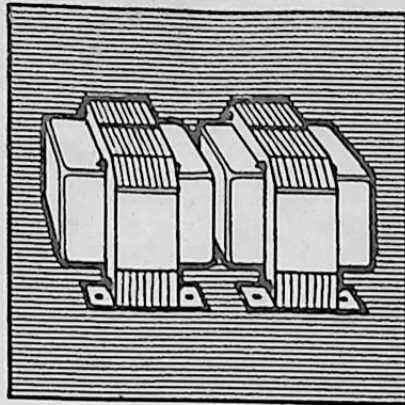
Listening to music with the new Scott Model 200B you would never guess it is in the "economy" class. The 200B includes many luxury Scott features to insure top performance and exceptional versatility. Circuit design is typically "Scott" . . . clean, beautiful hand-wiring . . . expensive, conservatively rated parts. The 200B goes through the same stringent quality control tests used on much more expensive

Scott units. And specifications are *honest!* Where else is there an economy amplifier or an amplifier at *any* price that delivers its advertised power down in the extremely low frequency region. The 200B will drive all popular speaker systems to full room level. Like all Scott units, it is backed by the famous double Laboratory Standard Guarantee.

1. New decorator styling. 2. Non-magnetic electrolytic aluminum chassis. 3. Exclusive Scott Balance Left/Balance Right balancing system. 4. Massive output transformer. 5. Individual tone controls. 6. Headphone output. 7. Derived center channel output. 8. Separate power switch.

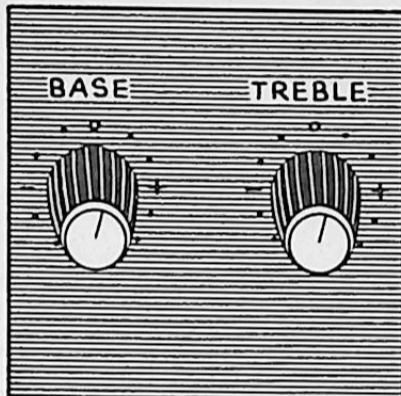
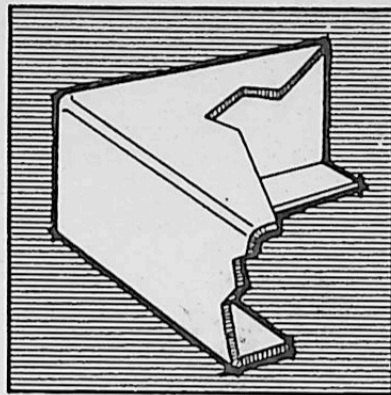


## UNIQUE FEATURES



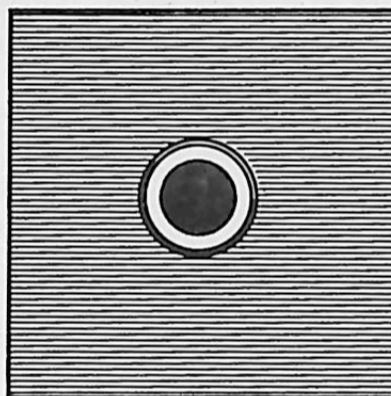
Compare these massive output transformers to those on competitive units with twice the power rating. Only by using expensive output transformers with hefty windings and a large number of laminations can a unit deliver power down to the lowest frequencies. This is where the power is really needed and where the other amplifiers fail to meet their published specifications.

Non-magnetic electrolytic aluminum chassis reduces radiated magnetic hum from power transformers, reduces circulatory ground currents and dissipates heat more rapidly than the steel chassis used in ordinary components.



Separate bass and treble controls for each channel give maximum flexibility in adjusting for all types of program material.

Stereo headphone output conveniently located on the front panel



## SPECIFICATIONS

Front Panel Features: Seven Position Stereo Selector, Two Position Input Selector, Separate Left/Right Bass /Treble Controls, Clutched Dual Loudness Control, Tape Monitor Switch, Scratch Filter, Power Switch, Volume — Loudness Switch, Headphone Jack.

Rear Panel Features: Switched Accessory Outlet. Speaker Terminals for 4, 8, and 16 Ohm loads. Center Channel Output, Tape Recorder Output, Tape Recorder Playback Input, Tuner Input, Ceramic Cartridge Input, Magnetic Cartridge Input, Equalization curve RIAA (phono).

Tube and Diode Complement: 1 5AR4, 4 6GW8, 3 12AX7, 1 Silicon Rectifier. Power Consumption: 120 Watts. Dimensions in Accessory Case: 15½" wide x 5¼" high x 13¼" deep. Panel Size: 15" wide x 4¾" high, Depth behind panel — 13". Choice of Accessory Cases: C (metal), CWW (walnut), CW (mahogany).

Power Rating (IHFM Standard) (Watts) . . . 15/15  
Power Band (IHFM Standard)

(cps ± 1 db) . . . . . 25-15,000  
Frequency Response (cps ± 1 db) . . 30-20,000<sup>1</sup>  
Harmonic Distortion (%) . . . . . 0.8  
Hum Level (db) . . . . . -70  
Sensitivity on phono or tape head (mv) . . . . . 5  
Power Rating-steady state (Watts) . . . . . 12/12  
Input impedance-magnetic (Ohms) . . . . . 47K  
Input impedance-ceramic (Ohms) . . . . . 3.3M

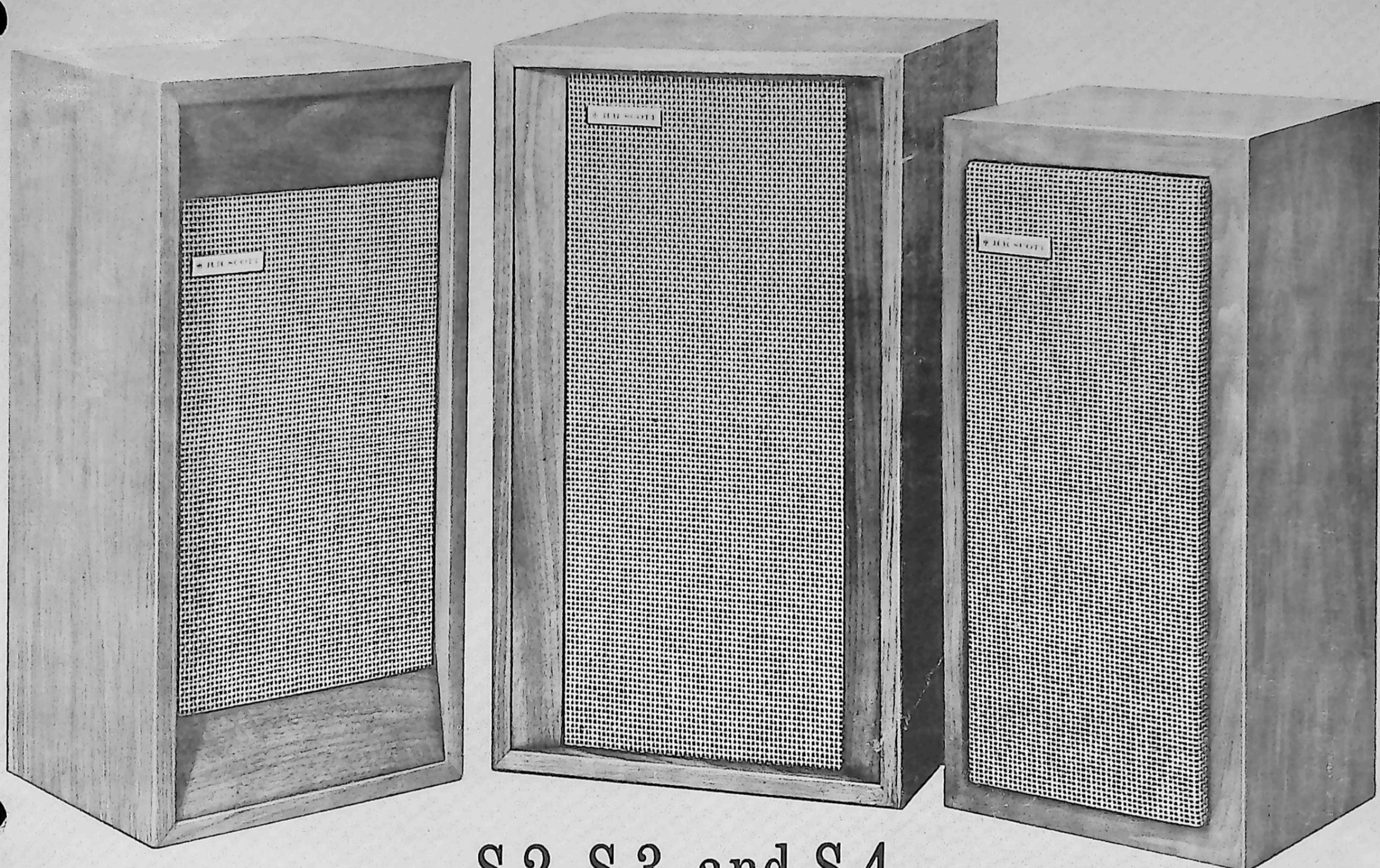
<sup>1</sup>A special subsonic (below 20 cps) sharp-cutoff filter is incorporated in H. H. Scott amplifiers to prevent power waste due to subaudible rumble, eccentric records, or acoustic feedback.

## SCOTT IS THE LEADER . . . Compare These Key Features

Features	Scott 200B	Brand A	Brand B
Watts (manufacturers rating)	15/15	15/15	25/25
Full power to Lowest Frequencies	Yes	No	No
Non-magnetic electrolytic aluminum chassis	Yes	No	No
Convenient headphone output on front panel	Yes	No	Yes
Saving of useful power by use of subsonic cutoff filter	Yes	No	No
Balance Left/Balance Right Feature	Yes	No	No
Elimination of extraneous noise when playing monophonic records with a stereo pickup cartridge	Yes	No	No
Convenient pilot light	Yes	No	Yes



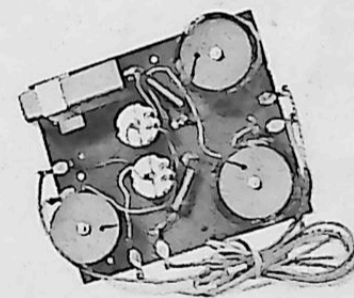
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## S-2, S-3, and S-4 THREE-WAY WIDE-RANGE SPEAKER SYSTEMS

All Scott speaker systems incorporate three-way design to insure that every driver operates over its optimum frequency range. This design utilizes separate woofer, mid-range and tweeter units. Scott engineers have developed unique multiple crossover networks to insure that the advantages of three-way design are combined with smoothness of response over an extended frequency range. These crossover networks eliminate peaks and valleys common to the response patterns of most speaker systems. Room placement of Scott speakers is non-critical because of the utilization of wide dispersion mid-range and tweeter drivers. The full frequency range can be enjoyed regardless of speaker location.

### SECRET OF THE SUPERB SOUND OF SCOTT SPEAKER SYSTEMS UNIQUE CROSSOVER NETWORK

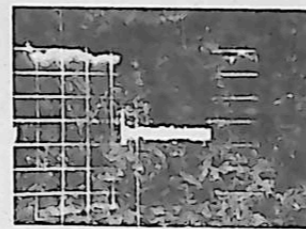
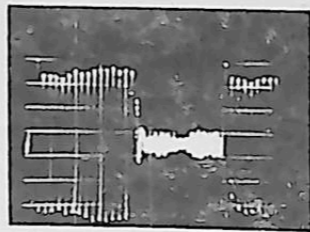


“... the crossover network is used ... in a manner similar to the way a tone control is used to compensate for room acoustics ... We can consider the enclosure for the speakers as a ‘room’ with individual acoustics, and the crossover network as a ... device used to boost or cut those frequencies that require it ... a clever idea. The only question that remains to be answered is how well the H. H. Scott engineers succeeded? Very well! On the other hand, it would have been very surprising if they hadn’t done an excellent engineering job: excellent engineering is really their stock in trade.”

*Audio, March 1962, page 44.*

	S-2	S-3	S-4
Impedance (Ohms)	8	16	16
woofer diameter (inches)	12	8½	10
midrange	dual, five inch drivers angled for maximum dispersion	special wide range 5" high dispersion cone driver	
tweeter	Hemispheric dome tweeter	special cone tweeter	
Measurable frequency response	20 to 20,000 cps.	20 to 16,000 cps.	35 to 16,000 cps
Dimensions	23¾" x 14½" x 12½" deep	23½" x 11¾" x 9¾" deep	22" x 11" x 9" deep

Finishes available: oil walnut, mahogany, unfinished pine (for opaque finishes or custom installations only), and unfinished hardwood (for custom furniture finishing).



## Here's what the experts say . . .

"The H. H. Scott S-3 is a true bookshelf speaker system, measuring approximately 24" x 12" x 10" deep and weighing about 35 lbs. Like the larger and more expensive *Scott S-2*, it is a three-way system using a 10" low-resonance woofer, an acoustically isolated mid-range speaker, and a small high-frequency tweeter. Separate level controls are provided for the mid- and high-frequency speakers, allowing the user to tailor the over-all response of his own taste.

We found the recommended level control settings to be perfectly satisfactory to our ears, and the centers of the suggested ranges were used in our tests.

The frequency response of the S-3 was measured in the same manner as all other speakers we test, in a live room with two different speaker locations and eight different microphone locations. It must be realized that this does not give any sort of absolute frequency response, and therefore response curves are not shown but rather to us it shows trends, relatively free from room resonance effects.

The response of the *Scott S-3* proved to be exceptionally smooth over-all. It is within plus or minus 7.5 db from 32 cps to over 12 kc. Its general shape is quite smooth particularly in the 100 to 200 cps region, with a somewhat higher output in the upper middles and highs. The S-3 has very low bass distortion for a speaker of its size and price. It never exceeds 5% down to 20 cps, even at the considerable acoustic levels generated at our 10-watt test input level.

The tone-burst response of the S-3 system shows it to have excellent transient response, quite free from hang-over or spurious frequencies at any point in its range.

Listening tests proved once again that the tone-burst test offers an excellent clue to the listening qualities of a speaker. The S-3 has an exceptionally clean, balanced, and transparent sound. Although it is appreciably smaller than other speakers in its price range, it holds its own handily by comparison to them. In fact, it compares very favorably to other systems costing two to three times as much. We liked its true, musical sound immediately on hearing it for the first-time, and it continued to please us with continued use.

*Hirsch-Houck Report,  
Electronics World, March, 1962*

" . . . a clean speaker and a very smooth one . . . There is no boom or bass hangover here. Every sound is heard . . ."

*American Record Guide, February, 1962*

" . . . The first time we observed this speaker system several months ago we were impressed by a very significant fact, the design of the . . . (enclosure) was extremely sensitive and handsome. This was significant to us because a speaker system of this type is intended to be a piece of furniture as well as a music reproducer . . . The H. H. Scott Model S-3 speaker system reproduces music with as little coloration as any bookshelf speaker system we have heard. Both extremes of the audible frequency spectrum are solid while the midrange has just that touch of brightness that we personally enjoy."

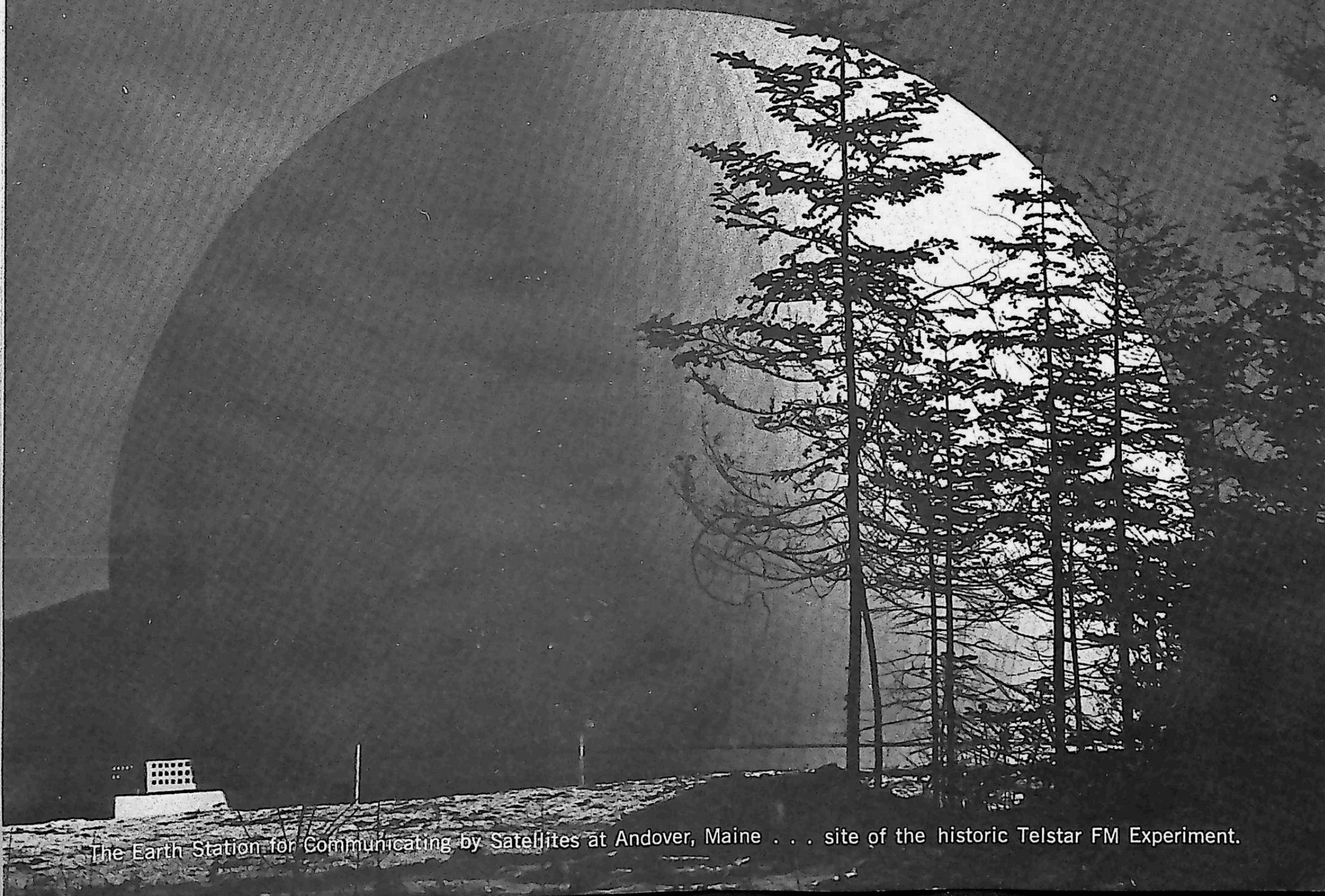
*Audio, March 1962*



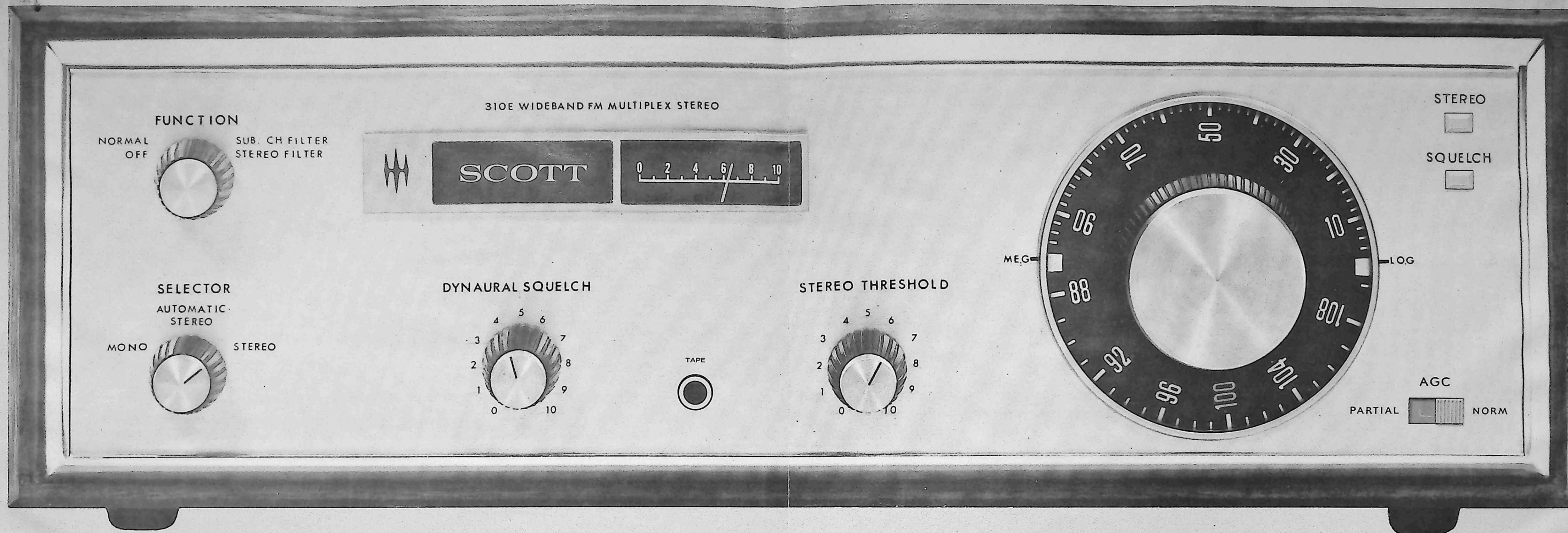
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# SCOTT HELPS BRING TOMORROW A GIANT STEP CLOSER

The overture begins . . . and then the great, gold curtains of La Scala in Milan slowly open on Act I. Thousands of miles away, all the excitement and magic of this memorable musical event are being captured through the realism of FM multiplex stereo on your own Scott music system.  Science fiction? Not really — thanks to the imagination and enterprise of Bell Laboratories' scientists. In a dramatic experiment, FM signals were sent to the Telstar Satellite orbiting in outer space. There they were successfully rebroadcast to the earth station for Communicating by Satellite at Andover, Maine. A sensitive Scott 310-D broadcast monitor tuner (rack mounted) was used by Bell Laboratories for this project.  Scott congratulates the Bell System on their spectacular achievement and is proud to be part of this historic experiment.



The Earth Station for Communicating by Satellites at Andover, Maine . . . site of the historic Telstar FM Experiment.



## SUPERB SCOTT 310E FM STEREO TUNER

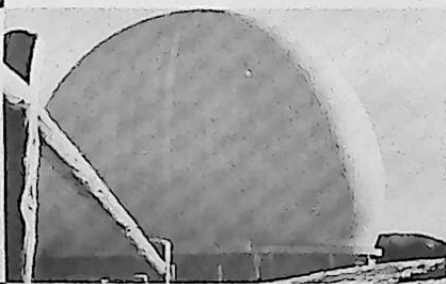
multiplex version of the famous tuner used in the "telstar" experiment

### TELSTAR INSTALLATION



Site of the historic Telstar experiment — Andover, Maine.

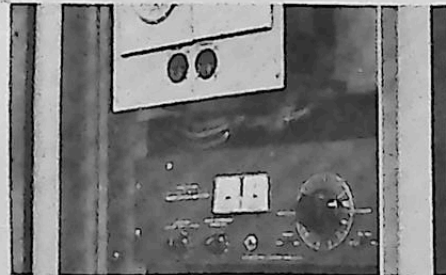
Close-up of the dome. Dome houses giant antenna for receiving signals from Telstar satellite in orbit.



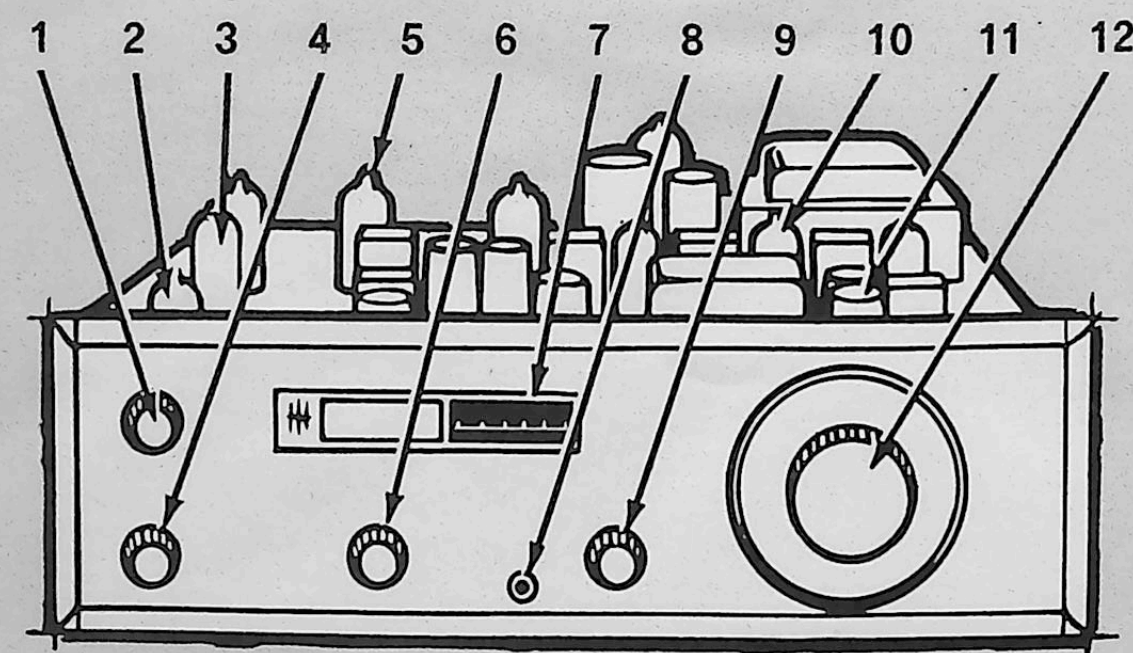
At base of giant horn antenna is receiving room. The Scott tuner is located within this room.



The actual receiving equipment installation with the Scott FM Tuner that successfully reproduced signals from Telstar.



Now the world-famous 310 tuner is fully equipped for stereo reception. The 310 is considered the most outstanding FM tuner available. It is used for commercial applications and critical broadcast relay work throughout the world. Its extreme sensitivity, selectivity, and low distortion make it the logical choice for the most critical installations. The new 310E is equipped with the famous Time-Switching multiplex circuitry, pio-

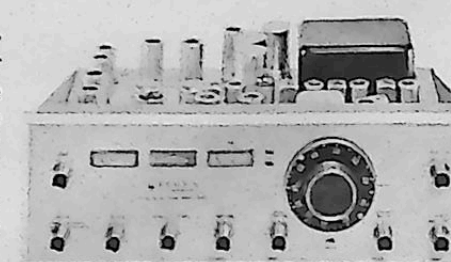


neered by Scott, and universally accepted as the best way for achieving optimum stereo separation. Here is a tuner of broadcast quality, suggested for use in critical reception areas where its extreme sensitivity, excellent capture, and low distortion are required. It is also recommended for the audio enthusiast who requires the very finest tuner possible at the present state of the art.

**310E FM Stereo Tuner Outstanding Features.** 1. Function switch with these positions: Off, Normal, Sub-channel Filter, Stereo Filter. 2. Auto-Sensor circuitry for fully automatic operation. 3. Scott's unique "Time Switching" multiplex circuitry. 4. Mode Control with these positions: FM Monophonic, FM Stereo, FM Stereo Automatic. 5. 2-megacycle wide-band detector. 6. Inter-station noise suppressor. 7. Sensitive illuminated tuning meter for optimum orientation and station selection. 8. Convenient front-panel recorder output jack. 9. Stereo Threshold. 10. Three limiting stages, assuring fully quieted performance on even the weakest signals. 11. Silver-plated RF Cascode front end. 12. Laboratory-type precision vernier tuning control.

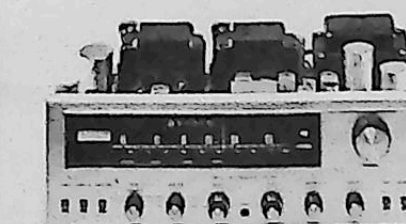
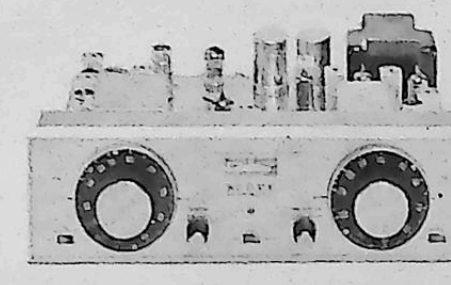
### OTHER SCOTT TUNERS

**4310 FM Multiplex Stereo Tuner** — The tuner destined to set the standard for years to come. Usable sensitivity exceeds 1.9  $\mu\text{V}$ . Distortion, even on multiplex, is practically unmeasurable.



**350C WideBand FM Stereo Multiplex Tuner** — Provides superb reception of stereo and monophonic FM broadcasts. Scott's new Sonic Monitor\* tells you automatically when stereo is on the air. Unmatched sensitivity and stereo separation.

**333B AM/FM Stereo Multiplex Tuner** — Incorporates all the features of the 350B FM Multiplex Tuner, along with Scott's unique Sonic Monitor\*. In addition, Scott's famous Wide-Range AM makes AM listening practically indistinguishable from FM.



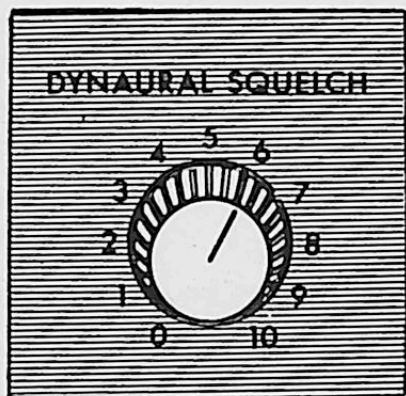
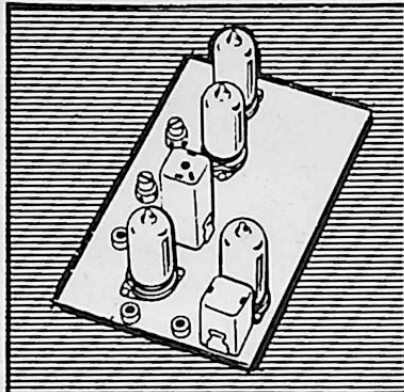
**340B FM Stereo Tuner/Amplifier** — A radically new unit, combining all the features of the finest Scott components into a single compact unit. Handsome new styling and advanced electronic features set new industry standards.

# SCOTT 310E FEATURES



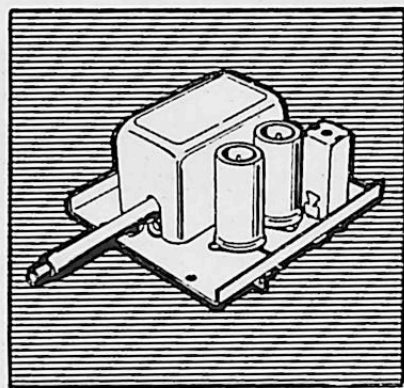
The Stereo Threshold Control, an exclusive Scott feature, assures noise-free reception and perfect off-the-air recordings. If the stereo broadcast happens to suddenly get quite noisy due to atmospheric conditions, the tuner will automatically switch to monophonic operation which is often much quieter under these conditions. The front panel threshold control permits you to set the minimum acceptable performance level that will cause the tuner to switch to monophonic mode.

Amazing auto-sensor circuitry automatically detects the presence of a stereo FM broadcast and instantly switches the tuner to the stereo mode. An indicator light flashes on to tell you of the change. When the stereo program is over, the tuner immediately returns to monophonic operation. You never have to know when a stereo is on the air.



Scott's unique Interstation Noise Suppressor automatically turns off the audio when tuning in-between stations. This eliminates the rushing noise found on all tuners when off-station. Common squelch circuits accomplish this by changing the bias on the audio tubes, thus causing increased distortion and thumps in the speaker. The 310E avoids these pitfalls by using an electronically controlled mechanical relay. The user can set the threshold level for the suppression on the front panel of the tuner.

Heavily Silver-Plated Front End results in maximum sensitivity, with virtual elimination of cross-modulation. FM Cascode RF stage improves signal-to-noise ratio. A large 3-gang tuning condenser provides most consistent calibration and best selectivity.



# 310E SPECIFICATIONS

Front Panel Controls — Selector Switch, with these positions: Mono, Automatic Stereo, Stereo. Function Switch with these positions: Off, Normal, Sub-channel Filter, Stereo Filter. Other controls include: Stereo Threshold, Dynaural Squelch, Stereo Guide Indicator, Sensitive Tuning Meter, and Tape Recorder output jack. Rear Panel Features Include: Audio Outputs (R+L), and Tape Outputs (R+L). Dimensions in Accessory Case: 15½" wide x 5¼" high x 13¼" deep. Panel Size: 15" wide x 4¾" high. Depth Behind Panel: 13". Tube and Diode Complement: 1 6BS8, 2 6U8, 4 6AU6, 1 6BN6, 2 12AU7, 1 12AX7, 2 7247, 1 12AT7, 1 6V4, 2 Silicon Diodes, 11 Germanium Diodes.

Usable (IHFM) Sensitivity ( $\mu V$ )	1.9
Signal: Noise Ratio (db below 100% Mod)	.65
Harmonic Distortion (%)	0.5
Drift (%)	0.02
Frequency Response (cps $\pm$ 1 db)	30-15,000
Capture Ratio (db)	2.2
Selectivity (db)	50
Spurious Responses Rejection (db)	85
Audio Hum (db below 1 volt)	66
AM Suppression (db)	60
Separation (db)	in excess of 30

## JUDGE FOR YOURSELF — SCOTT IS THE LEADER

### Comparisons of Key Features

	Scott	Brand A	Brand B	Brand C
Silver-Plated Front End for Maximum Sensitivity	yes	no	no	no
Convenient Front Panel Output for tape or headphones	yes	no	no	no
Stereo Threshold to insure quality signal at all times	yes	no	no	no
2 megacycle Detector Bandwidth for superior rejection of interference	yes	no	no	no
Dynaural Squelch to remove interstation noise	yes	yes	yes	yes
Price	279.95	249.50	299.50	329.50

All prices slightly higher west of Rockies



# SCOTT

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