

BUILD YOUR OWN FAMOUS SCOTT COMPONENTS

SCOTT KITS

FUN TO BUILD • PROFESSIONAL PERFORMANCE

H. H. Studios, Inc.

DEARBORN
15031 MICHIGAN
LU. 4-1860

DETROIT
7104 W. SEVEN MILE
DI 1-8072



A revolution in kit building...from H. H. Scott

H. H. Scott has been responsible for many important advances in the high fidelity field. Scott produced the very first high fidelity amplifier for home music systems.

Scott was first to introduce a successful Wide-Band FM tuner guaranteeing drift-free performance with even the weakest signals. Scott multiplex circuitry has been accepted as the standard of the industry and gives the best results in terms of high separation and minimum distortion.

For many years our engineers considered introducing kits, but H. H. Scott did not want its name on kits that might not meet its high standards of performance when completed.

Kits then on the market were far too technical for the average kit builder. Alignment of tuners and balancing of amplifiers required special test equipment. Kits looked like kits. They were unattractive and bulky.

Scott engineers took a new approach and changed all this. They created exciting new techniques to simplify kit building... developed procedures to virtually eliminate mistakes. Scottkits make *you* a professional. Beautifully designed and perfectly engineered, they are so easy to build you'll find it hard to go wrong... even if you've never built a kit before! You can build your choice of seven superb amplifier and tuner kits in just a few

LEADING EXPERTS TOP-RATE NEW SCOTTKITS

"These Scott units are more beginner-proof than any other kit on the market... The amplifier sounds as it tests, quiet and clean... The completed kit is capable of performance as good as many units costing far more. Highly recommended."

American Record Guide

The LT-10 "... sounds as good as it measures, and that is the highest compliment one can pay."

High Fidelity

"No effort has been spared to make the building job simple, a lot of fun, and yet have the builder end up with a unit that looks and works like factory-built equipment... Whizzed through the complete construction [of the LK-72] in only about 11½ hours. A conservatively designed, versatile integrated stereo amplifier that should be a pleasure to build and a pleasure to use."

Electronics World

"It took us less than 7 hours to put together and that includes alignment... Without hesitation we would recommend the H. H. Scott LT-10 FM Tuner Kit to the beginner as well as the more experienced Audiofan... Surely only the most sophisticated engineering thinking could design a kit as simple and foolproof as this one is..."

Audio

"The H. H. Scott LT-10 is a remarkable combination of simplicity and excellent performance... Scott's packaging and instructions... are outstanding... pictorials are big, color-coded, and easy to read. The chassis is extremely roomy and all connections... are easily made. Scott's combination of a silver-plated front-end and a chassis with copper-bonded-to-aluminum... undoubtedly plays an important role in the LT-10's sensitivity—which checked out *better* than Scott's published figures... The achievement of 1.88 microvolts sensitivity by a *home alignment procedure without instruments* is an exceptional feat and a fine tribute to Scott's engineering..."

Electronics Illustrated

hours with confidence that the completed kits will give the performance and appearance long associated with Scott factory-built components.

As *Audio Magazine*, leading professional journal of the High Fidelity industry, said, H. H. Scott kits "... exemplify engineering of the highest calibre... the simplest to build we have seen to date..."

H. H. 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

HERE'S HOW SCOTT TAKES THE GUESSWORK OUT OF KIT BUILDING

1. Kit-Pak Container

You assemble your Scottkit right in the unique Kit-Pak container. It opens to a self-contained work table with all parts conveniently in place... closes like a suitcase for storage when you are not working on your kit.

2. No Wires to Cut or Strip

Wires are already cut to the precise length required... even the insulation is removed at the ends. This Scott innovation saves hours of tiresome assembly time... assures professional results.

3. Many Parts Already in Place

Mechanical parts such as terminal strips and tube sockets are firmly riveted to the chassis at the factory. This Scott extra gives more rugged construction... longer life.

4. Full Color Instruction Book

Accurate assembly of parts is assured by full-color drawings illustrating each part exactly as it appears in the finished kit. Only a few parts are shown and explained on each page, avoiding the possibility of confusion.

5. Unique Part Charts

There is no loose bag of parts. Kit comes with special Part-Charts, a separate one for each page in the full-color instruction book. All parts needed for each page are mounted on the chart in exactly the order you need them. It is virtually impossible to use the wrong part by mistake.

6. Massive Output Transformers

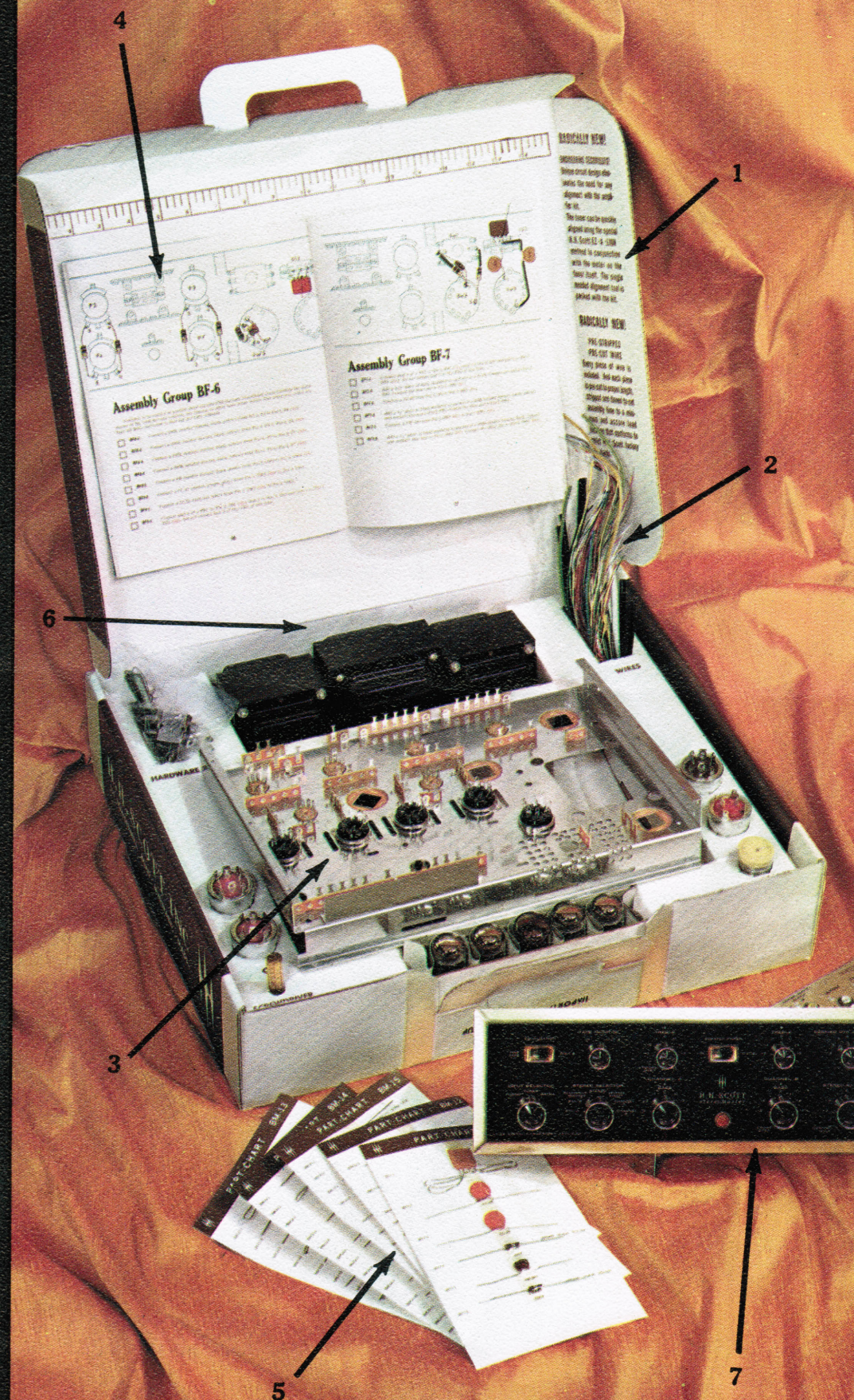
All transformers and electronic parts are the same high quality specified for Scott factory-wired units. Your finished kit will perform to the same exacting standards set by Scott factory-built components.

7. Smart Scott Styling

Extra attention to detail, as in the Scott front panel, makes your kit as professional in looks as in performance. You will be proud to display Scottkits in your home. Their superb styling is perfect for any setting.

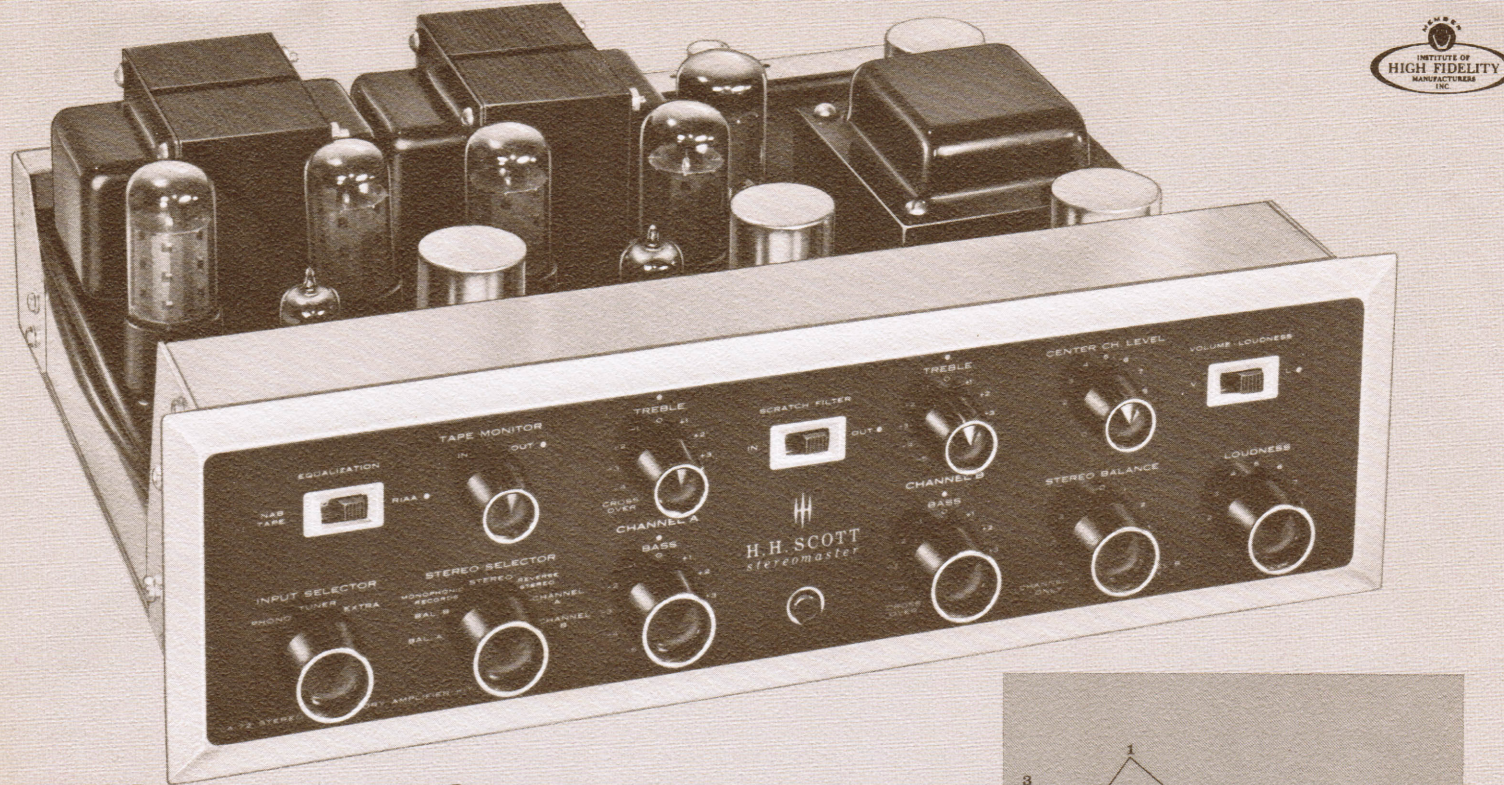
No Special Equipment Needed

Amplifier kits require no laboratory instruments for balancing. Tuners are aligned with the unique H. H. Scott Ez-A-Line method using the meter on the tuner itself. This eliminates the need for expensive signal generators.



FRONT COVER:

Shown are the powerful LK-48 amplifier, the sensitive LT-110 FM stereo (multiplex) tuner and the Scott S3 speaker system. Accessories from Shreve, Crump & Low, Boston. Fabrics by Drapery Modes, N.Y.C.



Build your own Scott components

LK-72 80-watt Complete Amplifier.

The LK-72 offers the finest performance and greatest reliability of any integrated stereo amplifier kit available. Since its introduction the superb performance of the LK-72 has been acclaimed by electronic experts and thousands of enthusiastic kit builders . . . many had never built a kit before!

Unlike conventional amplifiers that supply their rated power output only in the midrange frequencies, the LK-72 provides a full 40-watts (IHFM) per channel down to 20 cps. Distortion is below 0.8% throughout.

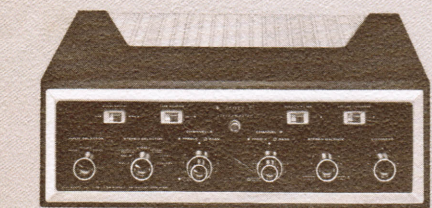
The LK-72, like all Scott amplifiers, is completely stable with any type of load or even with no load. The use of an electrolytic aluminum chassis, DC heated preamp tubes, copper shielded power transformers, and carefully filtered power supply insure total hum and

noise below 25 mv even on phono inputs.

Merely 15-20 hours are required for the average kit builder to assemble the LK-72 using Scott's foolproof assembly procedures. The only adjustment required is the DC balance which is quickly accomplished by an ingenious hum-null method. A true self-balancing phase splitter eliminates all other adjustments and insures that your LK-72 will exceed its conservative specifications.

As *Electronics World* said (June '61) "like its predecessor (the LT-10) . . . no effort has been spared to make the building job simple, a lot of fun, and yet have the builder end up with a unit that looks and works like factory-built equipment."

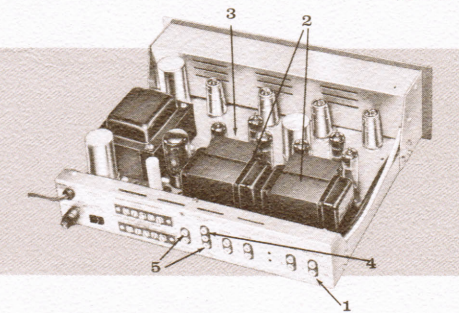
The LK-72 is an ideal choice for the finest stereo music systems. **\$159.95**



LK-48 48-watt stereo amplifier

This deluxe Scott amplifier kit has more than enough power for the majority of music systems. 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 28 watts (IHFM) per channel at 20 cps.

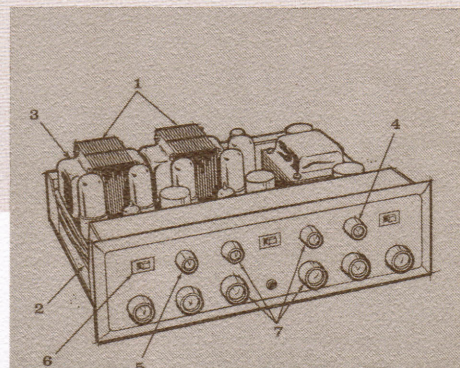
All the luxury features you expect in H.H. Scott amplifiers are here including all-aluminum chassis, DC operated heaters for lowest hum, special channel-balance facilities, provisions for tape monitoring and derived center channel output. In features . . . in power . . . in performance the LK-48 is one of the finest amplifier kits you can buy. **\$119.95**



1. Mechanically assembled chassis saves you hours of tedious work. 2. Massive output transformers assure full power response down to 20 cps. 3. Hum-null balancing assures virtually unmeasurable distortion. 4. Derived center channel output. 5. Tape recorder and monitor provisions.

Accessory Case Information

Handsome accessory cases are available in walnut, mahogany, or economical leatherette finished steel. Accessory front panels are available in brushed gold finish (at extra charge) to match H.H. Scott wired units.



Special Features, LK-72

1. Rugged 80-watt output section. 2. All-aluminum chassis for lowest hum. 3. Inputs for magnetic pickup, tape deck, tuner and TV. 4. Derived center channel level control. 5. Tape monitor. 6. Pickup selector. 7. Separate bass and treble controls on each channel. Other controls include Stereo Balance, Loudness-Volume, Scratch Filter, Stereo Selector, and Input Selector. The LK-72 is the most versatile, complete amplifier kit you can buy.

SPECIFICATIONS

	LK-72	LK-48
Power output per channel (IHFM Music Waveform):	40 watts	24 watts
Power output per channel (Steady State):	35 watts	20 watts
Power output per channel at 20 cycles (IHFM Music Waveform):	42 watts	28 watts
Power bandwidth at rated distortion (IHFM):	19-25,000 cps*	19-25,000 cps*
Frequency response:	20-20,000 (±0.5db)	20-20,000 (±0.5db)
Total Harmonic Distortion, under Total Intermodulation Distortion (SMPT or CCIF), under	0.5%	0.5%
Total hum and noise at outputs, under	25 mv	25 mv
Sensitivity at mag inputs	3 mv.	3 mv.
Sensitivity on high level inputs	0.5 v.	0.5 v.

LK-72 Front Panel Controls: Separate bass and treble for each channel, Loudness, Stereo balance, Stereo selector, Input selector, Loudness-Volume switch, Scratch filter, Tape monitor, Equalization, Derived center channel level, Selector switch for phono or tape deck; Tube Complement: 4-12AX7, 4-7591, 2-6GH8, 1-G234; Dimensions in Case: 15½" w x 5¼" h x 13¼" d; Panel Size: 15" w x 4¾" h.

LK-48 Front Panel Controls: Separate bass and treble for each channel, Loudness, Stereo balance, Stereo selector, Input selector, Loudness-Volume switch, Scratch filter, Tape monitor, Equalization; Tube Complement: 4-12AX7, 4-7591, 2-7199, 1-G234; Dimensions in Case: 15½" w x 5¼" h x 13¼" d; Panel Size: 15" w x 4¾" h.

*Limit of test equipment.

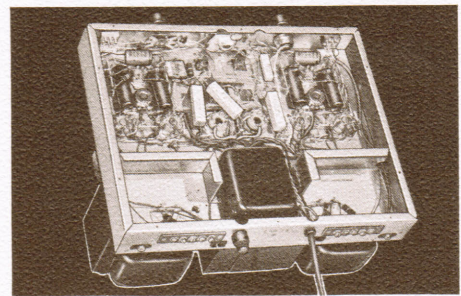
Deluxe preamplifier — 130 watt power amplifier

LK-150 130-watt Stereo Power Amplifier

The mighty LK-150 is the ultimate power amplifier. Rated at 65 watts (IHFM) per channel, it will bring out details in your favorite program material that you never knew existed. Whether played at a whisper or a roar, the LK-150 will be a revelation to even the most experienced music lover. This amplifier has incredible power capabilities. At low frequencies, where power is really needed, the LK-150 will effortlessly supply a clean 80 watts (IHFM) per channel (measured at 20 cps). For all practical purposes, distortion and non-linearity do not exist. Even the finest test equipment cannot accurately measure the extremely low distortion.

This performance results from using massive transformers, the finest and most reliable 100 watt output tubes, and the engineering know-how of H.H. Scott.

Unique features include a subsonic rolloff filter to provide either a slow rolloff below 20 cps, or flat response to under 5 cps (used for laboratory measurements or for square wave



Ample room is provided for cool operation and ease of construction. Note rugged metal braces to support heavy output transformers.

response analysis). An input level switch permits the LK-150 to be used with either high output Scott Preamplifiers or low output preamplifiers of other manufacturers. Hum and noise are below 0.5 millivolt (—100 db) making this the quietest of high powered amplifiers.

Matched output tubes eliminate all adjustments except bias, and this is easily set by using the built-in precision meter. The combination of the LC-21 Stereo Preamplifier and the LK-150 is truly the dream system. **\$169.95**

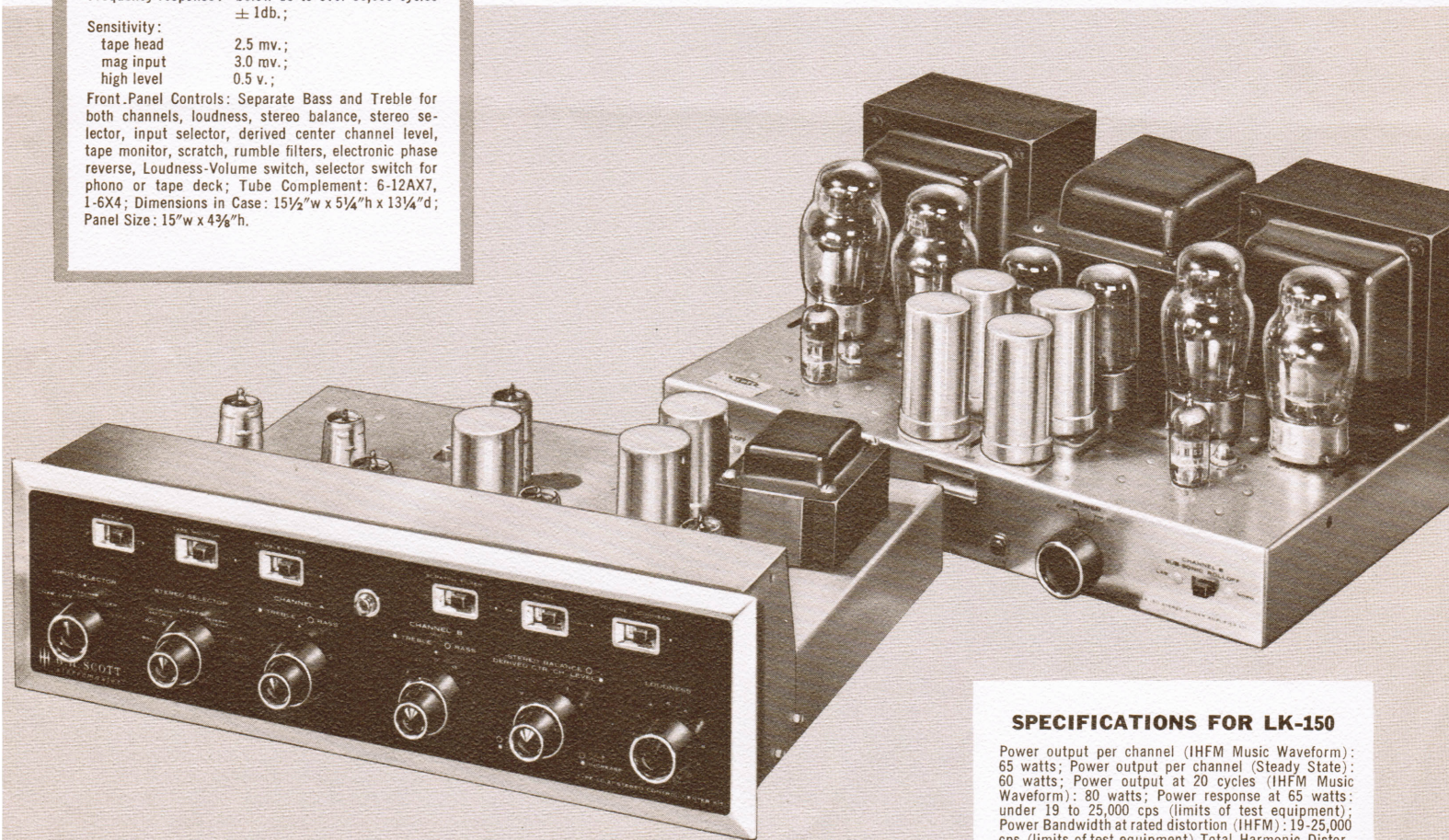
LC-21 Deluxe Stereo Preamplifier

Here is a preamplifier designed for the audio perfectionist. No effort has been spared to provide this unit with professional control features. It is exceedingly easy to build (10 to

SPECIFICATIONS FOR LC-21

Output:	2.5 v.;
Total Harmonic Distortion:	under 0.1%;
Total I.M. Distortion (CCIF or SMPT):	under 0.2%;
Hum and Noise total:	—85db
Frequency response:	below 10 to over 50,000 cycles ± 1db.;
Sensitivity:	
tape head	2.5 mv.;
mag input	3.0 mv.;
high level	0.5 v.;

Front Panel Controls: Separate Bass and Treble for both channels, loudness, stereo balance, stereo selector, input selector, derived center channel level, tape monitor, scratch, rumble filters, electronic phase reverse, Loudness-Volume switch, selector switch for phono or tape deck; Tube Complement: 6-12AX7, 1-6X4; Dimensions in Case: 15½" w x 5¼" h x 13¼" d; Panel Size: 15" w x 4¾" h.



SPECIFICATIONS FOR LK-150

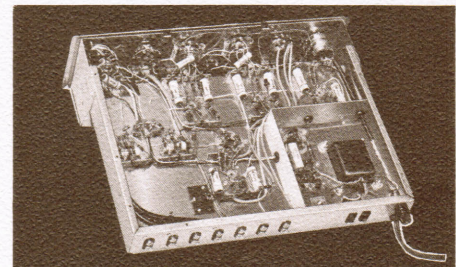
Power output per channel (IHFM Music Waveform): 65 watts; Power output per channel (Steady State): 60 watts; Power output at 20 cycles (IHFM Music Waveform): 80 watts; Power response at 65 watts: under 19 to 25,000 cps (limits of test equipment); Power Bandwidth at rated distortion (IHFM): 19-25,000 cps (limits of test equipment) Total Harmonic Distortion: 0.5%; Total I.M. Distortion: 0.5%; Hum and Noise Total: ½ mv (—100db); Frequency Response — 5 watts: 4 to 65,000 cps ±1 db;

Controls: Separate subsonic rolloff switches for each channel, Input level switch, bias adjust, On-Off; Input sensitivity (switched): 2.5 volts for Scott high level preamp, 1.5 volts for low level preamp; Damping factor: over 16:1; Tube Complement: 2 pair matched 6550, 2-G234, 2-7199.

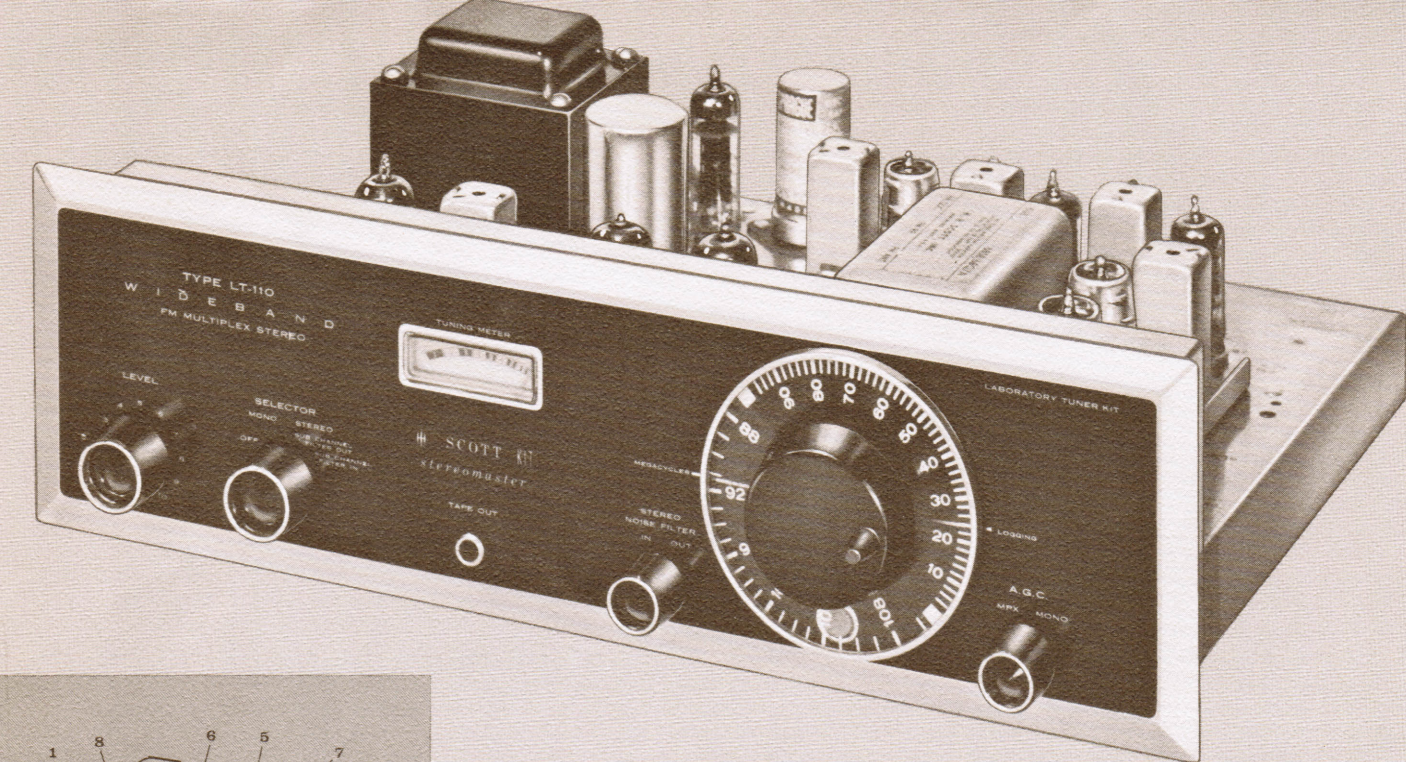
12 hours for the average kit builder) because of its remarkable simplicity of engineering design and layout.

Total distortion is under 0.1% at rated output. Total hum and noise is less than 0.5 millivolts which makes the LC-21 one of the most remarkable preamplifiers available. This extremely low hum level is the result of an aluminum chassis, copper-shielded power transformer, and a separate shielded compartment for the entire power supply.

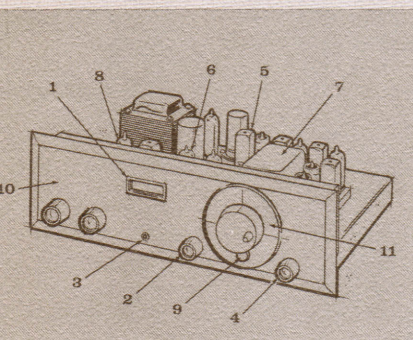
The complete control complement permits you to adjust for any conceivable type of program material or installation. Among the outstanding features are: electronic phase reverse; dual low-level magnetic input provisions for connecting both a record player and tape deck; scratch and rumble filters as well as complete tape recording and monitoring facilities. **\$99.95**



Chassis view of the LC-21 preamplifier showing separate shielded power supply compartment and exceptionally clean layout.



New Wide-Band FM stereo kit!



Special Features — LT-110

1. Precision illuminated tuning meter for pinpoint station selection. 2. Stereo noise filter for improving stereo reception on weak signals. 3. Convenient front panel tape output jack. 4. Switchable AGC for improved multiplex reception. 5. 2 MC Wide-Band detector. 6. Pre-wired multiplex section 7. Pre-wired, pre-aligned silver-plated front end. 8. Special Scott-developed circuitry for flawless tape recording. 9. Stereo indicator shows when you are in stereo receiving position. 10. Handsome professional front panel. 11. Logging scale.

SPECIFICATIONS FOR LT-110 (FM reception only)

Usable Sensitivity (IHFM)	2.2 μv
Signal to noise ratio	60 db
Harmonic distortion	under 0.8%
Drift	under 0.02%
Capture ratio	6.0 db
Frequency response (IHFM)	30-15,000 cps ±1 db (IHFM measurements only made in this range — Scott tuners far exceed these.)
Front panel controls:	Level; Selector; Stereo filter; AGC; tuning.
Tube Complement:	1-6BS8, 1-6U8, 3-6AU6, 1-6X4, 10-IN294 diodes, 1-12A17, 2-12AU7, 1-6BL8 15½" w x 5¼" h x 13¼" d 15" w x 4¾" h
Size in Case:	
Panel Size:	

SPECIFICATIONS FOR LT-10

Usable Sensitivity (IHFM)	2.2 μv
Signal to noise ratio	60 db
Harmonic distortion	under 0.8%
Drift	under 0.02%
Capture ratio	6.0 db
Frequency response (IHFM)	30-15,000 cps ±1 db (IHFM measurements only made in this range — Scott tuners far exceed these.)
Front panel controls:	On-Off; tuning (level on back)
Tube Complement:	1-6BS8, 2-6U8, 2-6AU6, 1-6X4, 2-IN294 diodes 15½" w x 5¼" h x 13¼" d 15" w x 4¾" h
Size in Case:	
Panel Size:	

LT-110 FM Stereo (Multiplex) Tuner

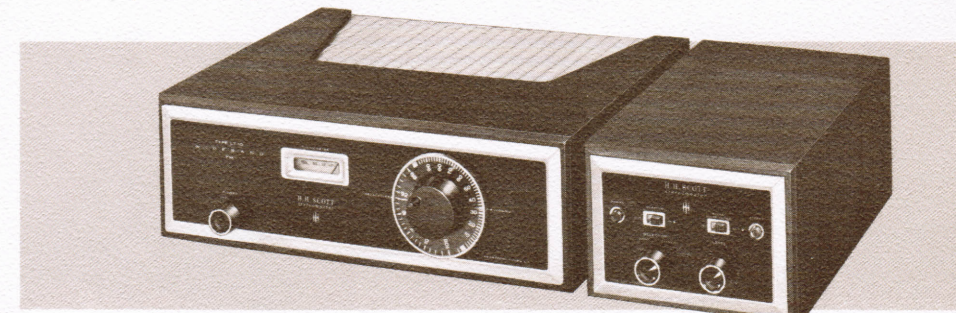
Now you can build your own H.H. Scott Wide-Band Multiplex Tuner for flawless reception of new FM Stereo broadcasts. H.H. Scott tuners are used for off-the-air monitoring by virtually every FM Multiplex station in both the United States and Canada. You too can enjoy the advantages of Scott "time-switching" multiplex circuits which have clearly demonstrated their superiority over conventional design. "Time-switching" results in lowest distortion, highest separation, and flawless tape recording.

The highly critical multiplex and sensitive silver-plated front end sections are pre-wired and pre-aligned at the factory. No external alignment equipment is necessary to achieve the highest professional performance standards

from this fine tuner. Special shielded Wide-Band IF's allow stereo separation to match stringent FCC transmission specifications. Heavy layer of pure copper, bonded to the aluminum chassis, assures years of trouble-free performance.

The performance of the LT-110 is identical to the famed LT-10 which has been hailed by critics and customers alike as the most sensitive tuner kit available. Conservatively rated at 2.2 μv sensitivity by Scott, *High Fidelity* magazine measured 1.4 μv, and *Electronics Illustrated* 1.77 μv. These represent the best sensitivity measurements either magazine had ever obtained from a kit.* **\$159.95**

**High Fidelity*, April, 1961, *Electronics Illustrated*, November, 1961.



LT-10 Wide-Band FM Tuner

The LT-10 revolutionized kit building by making it possible for the novice to build a professional tuner without previous kit-building experience. *Electronics Illustrated* (Nov. '61) said ". . . a remarkable combination of simplicity and excellent performance. . . ." Unique Ez-A-Line alignment system lets you meet specifications without expensive external equipment. All the professional features of the LT-110 are included except, of course, multiplex circuitry. Includes multiplex output jack for use with LM-35 Multiplex Adaptor Kit. **\$99.95**

LM-35 Wide-Band Multiplex Adaptor

This is the kit version of H.H. Scott's famous 335 multiplex adaptor. It includes exclusive H.H. Scott "time-switching" circuitry. Multiplex section comes pre-wired and pre-aligned. The kit builder need assemble just the power supply and the controls which should take only about 4 hours. The LM-35 can be connected to your tuner and amplifier so that it may be operated remotely, which is ideal where space is at a premium. Exclusive Scott circuitry assures perfect recording with any tape recorder. Recommended for use only with Scott Wide-Band tuners. **\$79.95**

H.H. SCOTT