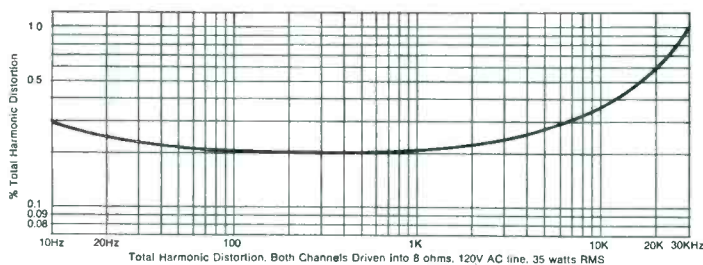


This is the best receiver  
Scott has ever built

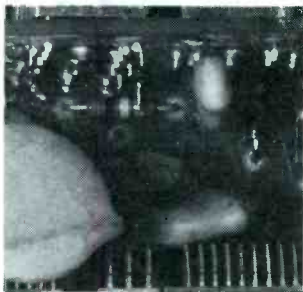
The 386 AM/FM  
high power stereo receiver



# SCOTT 386...THE WORLD'S MOST ADVANCED HIGH POWER RECEIVER.



**Scott guarantees at least this level of amplifier performance!** Massive power transformer and Full Complementary Output circuitry give maximum undistorted power at all audible frequencies.



**Ultra-reliable space-age circuitry** Permanently aligned quartz crystal filter IF, FM amplifier, and four Integrated Circuits (including Perfectune logic module) are included in this small area.



**AM reception virtually indistinguishable from FM** New Integrated Circuit AM front end features pre-tuned multi-pole filter for optimum AM fidelity.



**Instant-information panel indicator lights** let you know at a glance whether you're receiving AM or FM, stereo or monaural broadcast. Scott Perfectune indicator tells when you're perfectly tuned for best reception.



**New connection techniques eliminate solder joint failures** Wire-wrap terminal connections plus plug-in module construction result in the kind of reliability associated with aerospace applications.

- New illuminated dial results in increased visibility
- New muting circuit eliminates noise between FM stations
- Plug-in speaker connectors eliminate phasing problems
- Silver-plated Field Effect Transistor front end receives more stations more clearly with less distortion
- Integrated Circuit IF strip virtually eliminates all outside interference
- Integrated Circuit preamplifier reduces distortion to inaudible levels
- Full Complementary direct coupled all-silicon output circuitry provides effortless instantaneous power, with maximum reliability
- Automatic stereo switching instantly switches itself to stereo operation . . . lets you relax and enjoy the music.

## 386 Control Features

Input selector ■ Tape monitor ■ Speakers #1 On/off ■ Speakers #2 On/off ■ Dual Bass and Treble controls ■ Stereo balance control ■ Power On/off ■ Volume compensation ■ Muting ■ Noise filter ■ Perfectune automatic tuning indicator ■ Stereo indicator light ■ AM indicator light ■ FM indicator light ■ Precision signal strength meter ■ Front panel stereo headphone output ■ Volume control ■ Stereo/mono mode switch.

## 386 SPECIFICATIONS

Power ( $\pm 1$  dB) 170 Watts. IHF power specifications (@ 0.8% distortion, both channels driven): Dynamic power @ 4 Ohms, 67.5 Watts/channel; Continuous power @ 4 Ohms, 42 Watts/channel, @ 8 Ohms, 35 Watts/channel. Selectivity, 40 dB; Frequency response  $\pm 1$  dB, 20-20,000 Hz; Hum and noise, phono,  $-65$  dB; Cross modulation rejection, 80 dB; Usable sensitivity,  $1.9 \mu\text{V}$ ; Tuner stereo separation, 40 dB; FM IF limiting stages, 9; Capture ratio, 2.5 dB; Signal to noise ratio, 65 dB; Phono sensitivity, 3, 6 mV; Price \$349.95.

Specifications subject to change without notice.

H. H. Scott, Inc. complies with Institute of High Fidelity standards of measurement as well as their recommendations regarding publication of same. Specifications are based on regular production, not on special laboratory units.

# SCOTT®

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Number 72 in a series of discussions  
by Electro-Voice engineers



**THE  
KAPTON  
CAPER**

LARRY SALZWEDEL  
Loudspeaker  
Product Engineer

Over the last few decades, a continuous search has been conducted for a better material for use in loudspeaker voice coil forms. In addition to paper and aluminum, a series of resin-impregnated fabrics have been employed, including phenolic cloth, fiber glass, and Nomex.

All of this was an effort to satisfy the basic needs of a voice coil form. Ideally the material would be very thin, very stiff, non-conductive, chemically inert, non-hygroscopic, unaffected by the stresses of the voice coil or its movement in the gap, unchanged by heat or humidity, and it should readily accept adhesives. The severity of the requirements listed will vary widely with application, with high-power PA drivers making the most extreme demands on the coil form. Under continuous power conditions, such as found in speakers used for electronic sirens, gap temperatures may rise to as high as 350° F. Couple the hard service with the need for reliability and the impetus for continued improvement is obvious.

Recently a new material has been found to meet these needs with improved performance. The polyimide plastic Kapton was developed by DuPont as an insulation for the aerospace industry, and was originally employed as insulation for magnet wires.

When made available in sheet form, Kapton proved ideal for the most stringent voice coil form applications. Available in extremely uniform thicknesses, it is consistent in every characteristic. Kapton does not fatigue under stress like aluminum, nor does it soften or char at voice coil temperatures like other materials. Its reliability is enhanced by its readiness to accept adhesives.

Kapton is now being employed in all Electro-Voice PA drivers. Its thin cross section permits more design leeway in gap construction with the possibility of higher efficiency and/or better damping without increasing the likelihood of voice coil rubs. In short, Kapton has proved a major advance in PA driver design with very real benefits for the end user.

For reprints of other discussions in this series,  
or technical data on any E-V product, write:  
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602 Cecil St., Buchanan, Michigan 49107



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