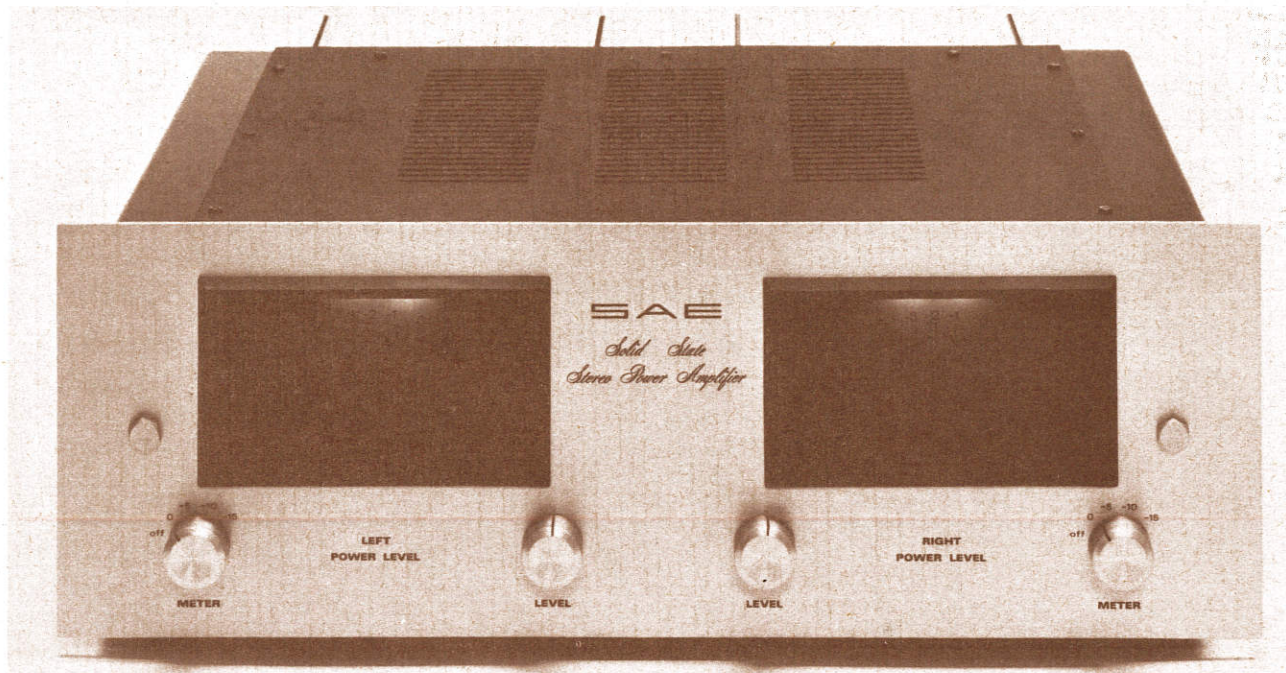




SCIENTIFIC AUDIO ELECTRONICS • P. O. BOX 60271 TERMINAL ANNEX • 601 EAST MACY ST., LOS ANGELES, CALIFORNIA 90060 • 622-2800 / 622-3700



### THE SAE MARK III POWER AMPLIFIER

SAE MARK THREE... brings new level of quality of audio reproduction.

The SAE MARK THREE is a reliable, ultra low distortion, very high power basic audio power amplifier.

The use of the highest quality selected components, careful inspection, and fanatical quality control insures a superior level of performance and extreme reliability unique in the world. When used with associated components of commensurate performance, the SAE MARK THREE will reveal subtleties of source material that have been masked by all other amplifiers. Now for the first time, each instrumental voice has the same pure, distinctive, dynamic character that is such an intrinsic part of a live musical experience.

#### UNIQUE FEATURES

- \* Faithful reproduction of complex musical signals, including dynamics, timbre, transients, tonal character, and definition.
- \* Extended reliability that permits SAE to issue a full 5 year parts and labor warranty.
- \* Uncompromised design parameters and components, regardless of cost.
- \* Construction and layout that insures unit-to-unit repeatable performance.
- \* A truly effective automatic protection circuit without the use of loud-speaker or B+ fuses, or any other manual resets.
- \* A semiconductor complement of 42 silicon devices.

Components for the Connoisseur

- \* An all aluminum black chassis-heat sink for maximum heat dissipation of its 12 output transistors.
- \* No driver or output transformers of any kind.
- \* Military grade G-10 glass epoxy circuit boards are used throughout.
- \* Selected deposited carbon resistors for ultra low noise and reliability.
- \* Separate power supply for each channel, enabling maximum efficiency from both channels simultaneously.
- \* Brushed gold anodized front panel with a five inch Power Meter for each channel.
- \* Equipped with one Gain control and one Meter Control Switch for each channel.

### SPECIFICATIONS

POWER OUTPUT.....120+ watts RMS per channel @ 8 ohms both channels driven 20 hz to 20 khz.

RMS HARMONIC DISTORTION.....Guaranteed less than 0.1% for any audio frequency (20 hz to 20 khz) both channels driven to 120 watts RMS. Typical performance (0.02%) at the residual of our test equipment: Generator-Hewlett Packard H20-200CD, distortion analyzer - Hewlett Packard 333A.

INTERMODULATION DISTORTION.....Guaranteed less than 0.1% at 120 watts 60 cps & 7kc 4/1 equivalent sine wave power. Typical performance is less than 60 cps & 12kc 4/1 .02% IM distortion at any power level. IM analyzer used is 60 cps & 2kc 4/1 Audio Instrument Co. #168A.

FREQUENCY RESPONSE: 1 Watt..... $\pm 0.1$  db 20hz to 20 khz.  
 1 Watt..... $\pm 0, -2$  db 3 hz to 100 khz.  
 120 Watts..... $\pm 0.1$  db 20 hz to 20 khz.

POWER BANDWIDTH (3 db down points).....8 hz and 50 khz.

SIGNAL TO NOISE LEVEL.....Guaranteed better than 100 db below 120 watts RMS.

SQUARE WAVE RESPONSE.....Less than 2.0 micro-second rise time 20 hz to 20 khz. Absolutely no overshoot or ringing with resistive load.

DAMPING FACTOR.....150+.

DUTY CYCLE.....Continuous for program material; music and/or voice.

STABILITY.....Unconditionally stable with any type of load, or no load, including full range electrostatic loudspeakers.

INPUT REQUIREMENTS.....1.0 volt RMS for 120 watts RMS.

INPUT IMPEDANCE.....100,000 Ohms.

DIMENSIONS.....17" W x 18" D x 5.75" H.

SHIPPING WEIGHT...45 pounds.

PRICE (INCLUDING AUDIO CABLES)...\$700.00 F.O.B.

*David Beatty*  
 STEREO SOUND SPECIALIST  
 1616 Westport Rd. (W. 43rd)  
 Los Angeles, CA 90024  
 Phone: JE 1-3109