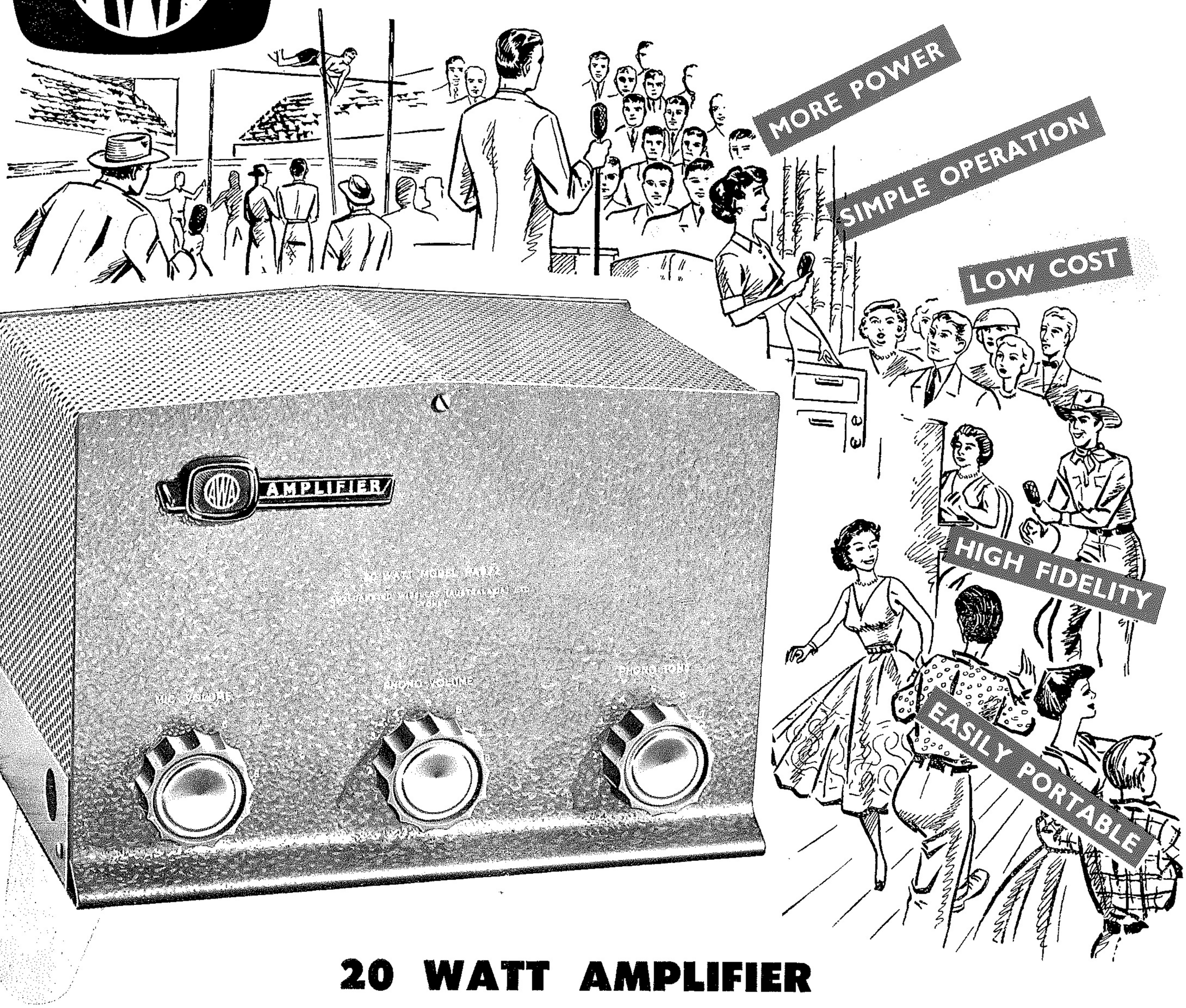
AWA FOREMOST IN SOUND



20 WATT AMPLIFIER
MODEL PA.872

A.W.A. Sound Amplification and Distribution Systems are in wide use throughout the Commonwealth for Schools, Hospitals, Cathedrals and Churches, Retail Stores, Public Halls, Hotels, Restaurants, Racecourses, Sports Grounds, Surf Clubs, Railways, Theatres, Factories, Canteens, Business Houses, Amusement Centres, Tourist Coaches and the like.

Whether your need is for fidelity musical entertainment, effective public speaking or clear industrial communication and direction, you will be served faithfully by this newly designed, compact and powerful unit.

Manufactured to Broadcast Equipment Standard.

The Range of A.W.A. Audio Amplifiers, Microphones and Speakers provides a type for every purpose, with features and facilities to meet every need in Sound Amplifying and Distribution.

AMALGAMATED WIRELESS (AUSTRALASIA) LIMITED

AUSTRALIA'S NATIONAL WIRELESS ORGANISATION

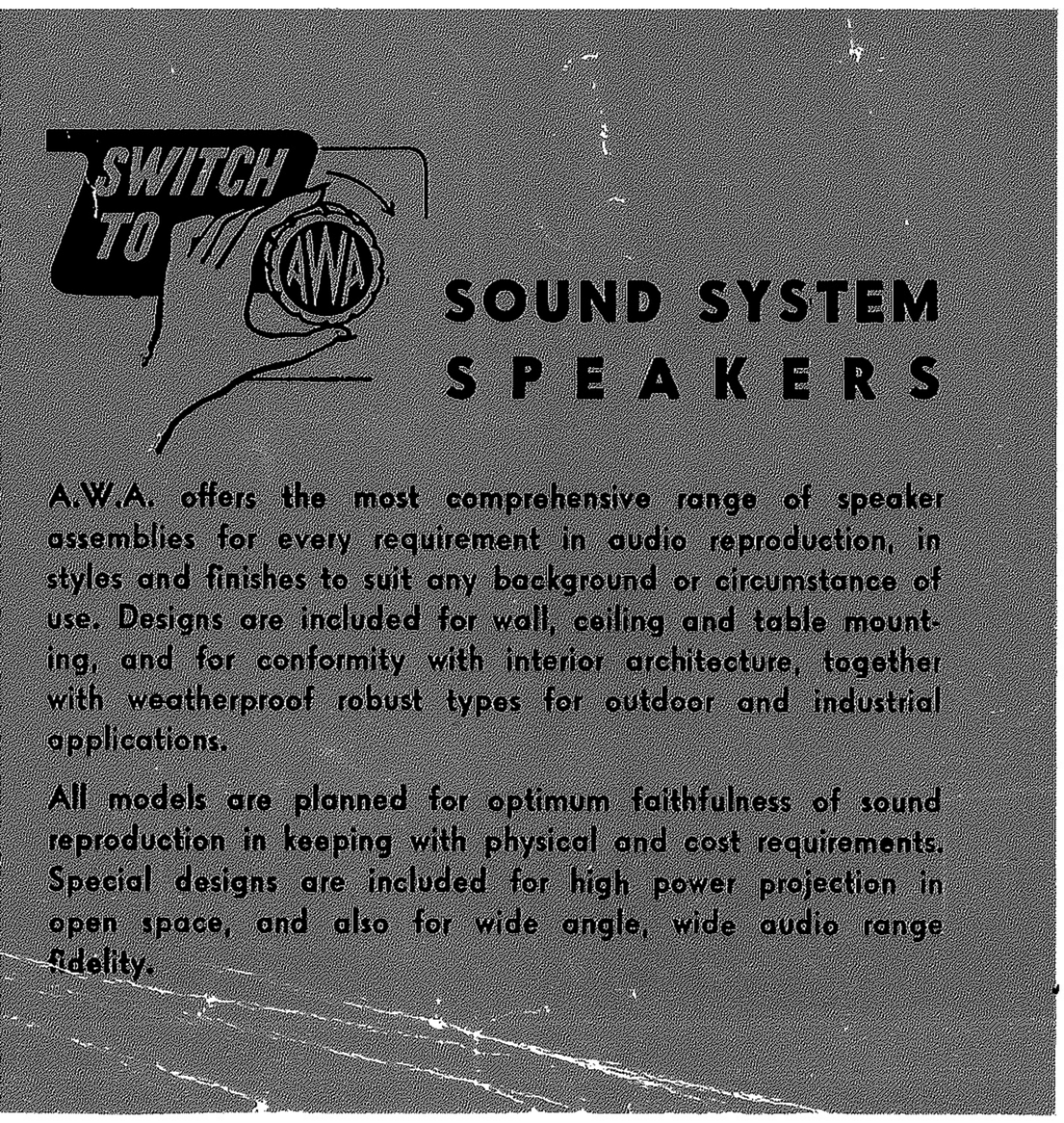
Specification for Public Address Amplifier, Model PA.872

The A.W.A. Amplifier Model PA.872 is a mains operated (200-230, 230-260 volts—50 cycles) public address amplifier capable of an output of 20 watts.

Two simultaneous inputs are available, one for high impedance microphone 2.2MΩ and one for crystal pickup 0.7MΩ. An input transformer can be fitted when required for low impedance microphones.

A variable tone control is provided to attenuate the high frequency response of the pickup only. Low frequency attenuation of the whole amplifier is provided for feeding horn type loudspeakers.

The output may be fed to 2 to 20 600Ω speakers. Taps are provided to feed groups of either 2, 3-5, 6-10, 11-20 600Ω speakers. Provision is also made to feed a single speaker of the 12-16Ω class as an alternative.



A.W.A. offers the most comprehensive range of speaker assemblies for every requirement in audio reproduction, in styles and finishes to suit any background or circumstance of use. Designs are included for wall, ceiling and table mounting, and for conformity with interior architecture, together with weatherproof robust types for outdoor and industrial applications.

All models are planned for optimum faithfulness of sound reproduction in keeping with physical and cost requirements. Special designs are included for high power projection in open space, and also for wide angle, wide audio range fidelity.

A.W.A. amplifying and sound distribution apparatus and systems are designed, manufactured and installed by engineers and technicians with the background of world-wide knowledge and over forty-five years of ever-widening experience in electronic broadcasting and communication equipment. A complete range of audio system basic units is available.

The Company's wide resources in research, design, manufacture and service are a guarantee of quality sound equipment and installations.

Enquiries are invited and information and quotations will be gladly supplied.

AMPLIFIER PERFORMANCE . .

(1) SENSITIVITY
Pickup .3V input for full output, Microphone 2mV input for full output.

(2) FREQUENCY RESPONSE
±2db 50–10Kc.

(3) HARMONIC CONTENT
Less than 2% at overload point at 1000 cycles.

(4) NOISE LEVEL UNWEIGHTED
Standing — 60db below 20W.
Pickup — 60db „ „
Microphone — 35db „ „ at full gain.

(5) TONE CONTROLS
H.F. 0-20db attenuation at 10Kc.
L.F. -20db at 50 cycles in one step.

Controls

The following controls are fitted:
Microphone Volume.
Pickup Volume.
Pickup Tone.
Bass Cut (pre-set at rear of unit.)

Colour

Light plum and silver.

Valve Complement

Valve Type	Qty.
KT66	2
12AX7	2
5V4G	1