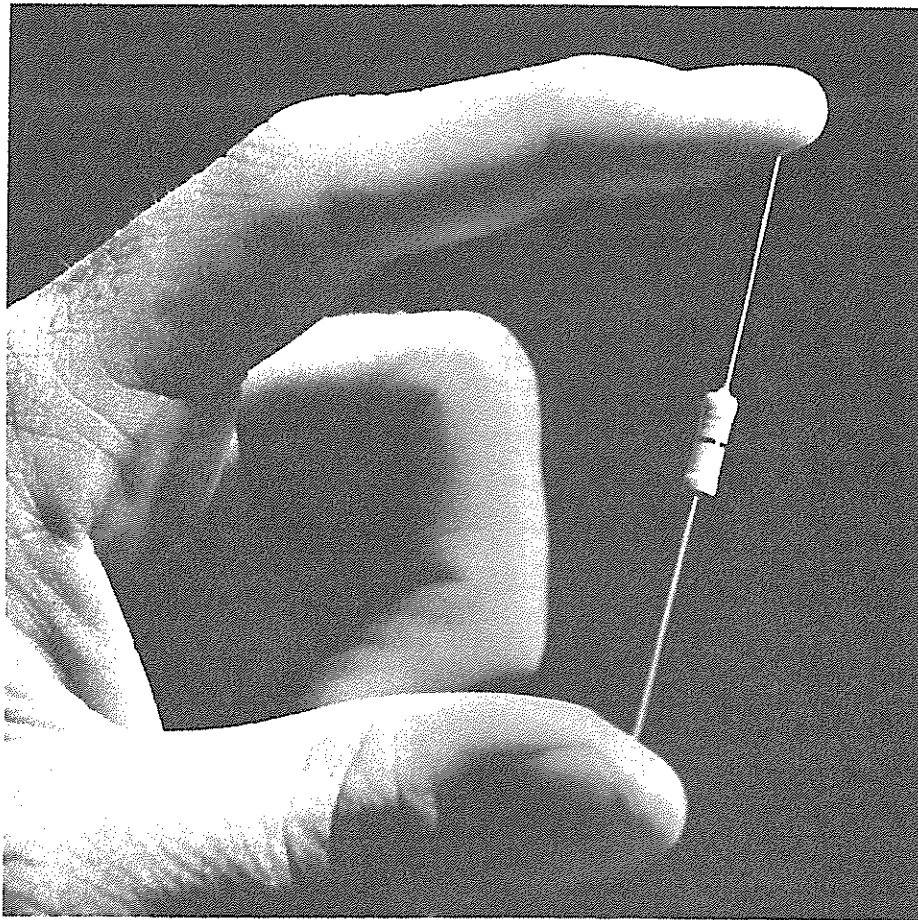


# The Philips resistor.



□ High stability □ Low noise □ Long life

Why settle for moulded  
composition when you can get the  
superior quality of Carbon Film Fixed  
Resistors at even lower prices!

## THE ELCOMA DIVISION

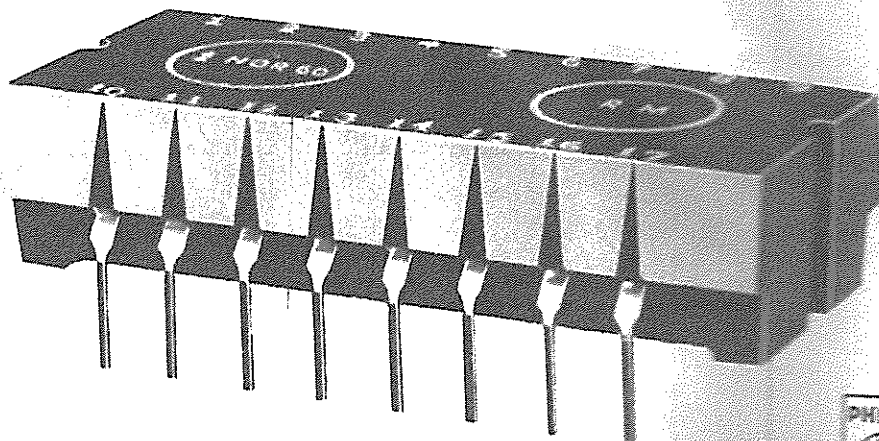
Electronic Components & Materials  
Philips Industries Limited.

Sydney • Melbourne • Brisbane  
Adelaide • Perth • Canberra • Hobart

# PHILIPS

# 60 SERIES NORBIT

## LOW PRICED STATIC SWITCHES



Single supply rail:	24 volts
25% voltage tolerance:	18 to 30 volts
Temperature range:	-10° C to +70° C ambient
Immunity to noise:	Totally unresponsive to d.c. noise of up to 1 volts on 'o' state. up to 2 volts on 'I' state. even greater immunity to noise above 100 kHz
Choice in interconnections:	miniwrap or solder-tag
Full range:	compatible input and output transducers inexpensive mounting aids and accessories.

Where relays would have been the natural choice, NORBIT static switches cut system costs in: Alarm systems; lift systems; automatic batching; transfer line control; production machine control; electro-plating installations; power system control and all other systems (large and small) which call for

a variety of sequence logic and combination logic. For further details refer to Miniwatt Digest "Special Norbit Issue" Vol. 7, No. 6, September/October, 1968. Application information and assistance in design is available from the Miniwatt Applications Laboratory.

# PHILIPS

*"Miniwatt"*

ELECTRONICS DIVISION OF  
PHILIPS ELECTRICAL PTY.  
LIMITED

Sydney, Melbourne, Brisbane,  
Adelaide, Perth, Hobart,  
Newcastle, Canberra.

# The Outstanding Features that have made the



## ELECTROLYTIC

the first favourite among Radio Users  
everywhere :

- Remarkable self-healing properties. No damage can be done to Solars by voltage overloads of moderate duration.
- Not adversely affected by moisture or climates of excessive humidity.
- Perfected physical structure giving noted uniformity of product.
- Very low leakage.
- Full and well maintained capacity.
- Excellent power factor.

Many seasons' use of SOLAR Electrolytics reflect a truly remarkable state—an outstanding record of trouble-free performance.

Every Solar is aged and tested before leaving our warehouse—an extra assurance of perfect filtering.

### CAPACITIES :

8 mfd. 500v. peak (wet) . large  
8 mfd. 500v. peak (wet) . small  
8 mfd. 600v. peak (wet)  
8 x 8 mfd. 500v. peak (semi-dry)  
25 mfd. 25v. peak (semi-dry)

When paper condensers are required use Solar "Seal-tites."

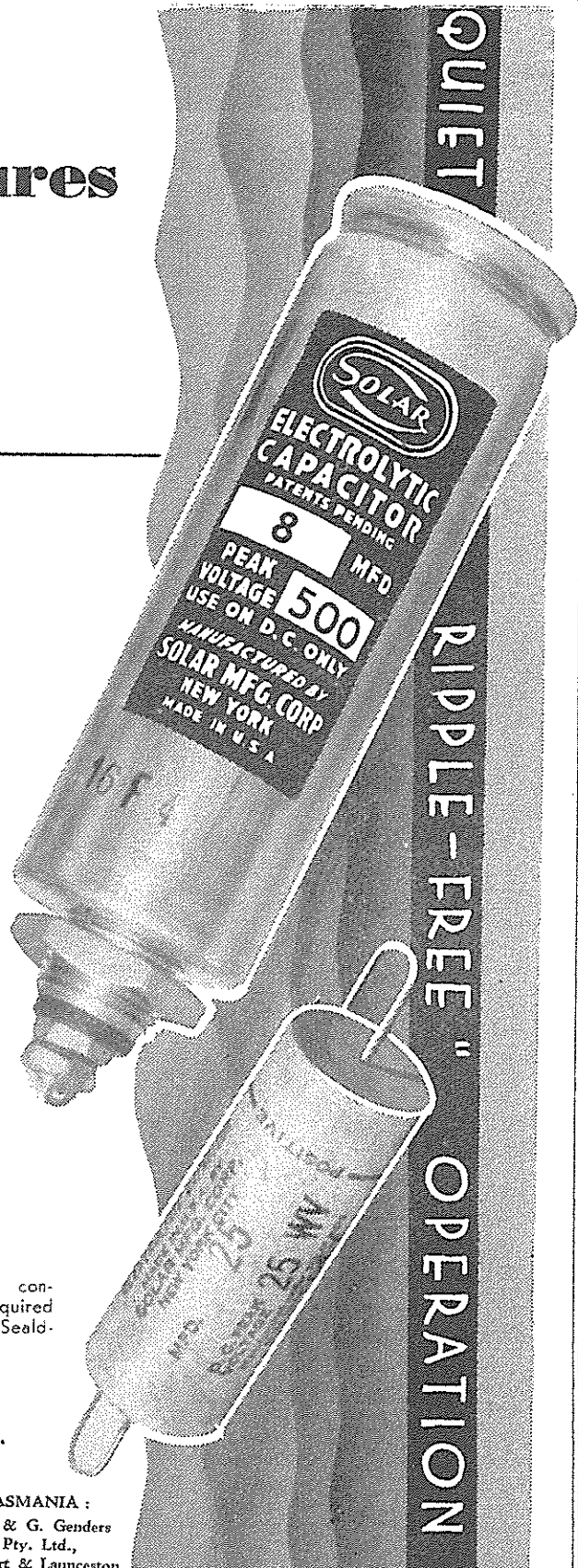
Factory Reps.: **EASTERN TRADING CO. LTD.**  
SYDNEY AND MELBOURNE

QUEENSLAND :  
Edgar V. Hudson  
Pty. Ltd.,  
Charlotte St.  
Brisbane

S. AUSTRALIA :  
Newton McLaren  
Ltd.,  
Leigh St.,  
Adelaide

W. AUSTRALIA :  
Car'yle & Co.,  
Hay St.  
Perth

TASMANIA :  
W. & G. Genders  
Pty. Ltd.,  
Hobart & Launceston





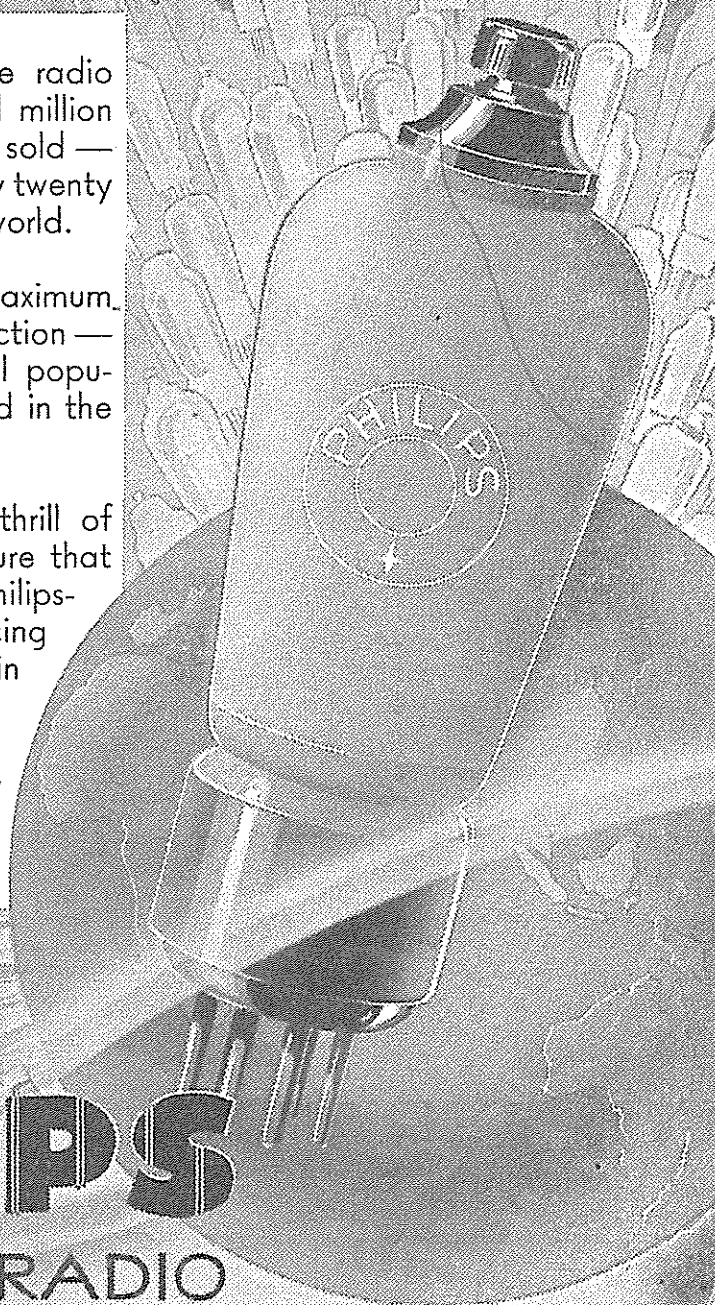
# 100 MILLION Valves

SINCE the dawn of the radio era, over one hundred million Philips valves have been sold — an average of one to every twenty inhabitants of the whole world.

Each Philips valve gives maximum performance and satisfaction — that is why their universal popularity has been maintained in the face of all competition.

You too may enjoy the thrill of better radio by making sure that the set you buy is Philips-equipped — or by replacing tired or worn out valves in your set with Philips.

**Be sure of real radio entertainment — INSIST ON PHILIPS.**



## PHILIPS

FOR BETTER RADIO





## "I'd Rather Sell You A Tasma"

... and so would any other sensible man, for selling a Tasma means a satisfactory deal to all concerned.

When you sell a Tasma you make a "profitable" profit, and what is more you make REAL goodwill—and that means potential sales. When you sell a Tasma you KEEP your profit—it isn't fritted away with annoying service calls and you keep your goodwill, too—that isn't fritted away with "come-and-fix-our-radio" telephone conversations.

There's another side to selling Tasma. The Tasma Dealer deals DIRECT with the factory. There is no intermediary to deliver garbled instructions—it makes for pleasant relations and much more economical working.

Remember also that Tasma advertising—acknowledged to be the most forceful appearing in the press—is working for you continually.

IT PAYS TO BE A TASMA DEALER . . . WRITE TO US TO-DAY.

# Tasma

DETAIL-BUILT  
RADIO

TASMA—a product of THOM & SMITH LTD., 55 Dowling Street, E. Sydney



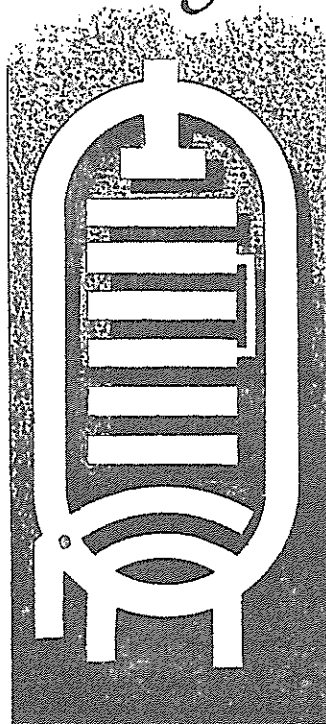
# BANISH BACKGROUND NOISE IN SUPERHETS!

MINIMISED NOISE LEVEL



*the amazing*

# OCTODE



THE superheterodyne, once discarded because of the inherent background hiss which could not be eliminated, has now become the standard principle of modern receivers because of its many other outstanding features.

Due to the application of the Penthode principle to electron coupled frequency changers, the main drawback to the superheterodyne has now been obviated.

The low anode current (0.8 milliamp) which is achieved in the Philips Octode, renders impotent the background noise due to frequency con-

version, the hiss being reduced by approximately 80 per cent.

This remarkable new valve finds its application in all modern superheterodynes, being particularly suitable for short-wave operation. In addition it permits of extended frequency response without unduly emphasised background noise.

Manufacturers and constructors throughout the world are now concentrating upon Octode-equipped receivers, with the realisation that the new electron-coupled frequency converter achieves new standards of excellence in radio performance.

by **PHILIPS**