

murphy TBA228

A 6-valve supersonic heterodyne mains/battery receiver for A.C. mains, 105-150 volts and 210-240 volts, (50-100 cycles). Or 1.5 volt and 90 volt battery in one unit. Consumption 7 watts on mains or 225 mA at 1.5 volts, 10 mA at 90 volts under 'no signal' conditions on battery.

WAVE RANGES: Bandsread Short Waves.
16 metre band 17.35-18.2 Mc/s.
19 metre band 14.95-15.5 Mc/s.
25 metre band 11.6-12 Mc/s.
S2. Band.
5.2-10 Mc/s (57.7-30 m.)
S1. Band.
2.1-5.35 Mc/s (146-56 m.)
M. Band.
529-1605 Kc/s (568-187 m.)

VALVES: Pentagrid frequency changer.
Pentode I.F. amplifier.
Diode pentode detector, a.g.c. generator and audio amplifier.
Pentode phase splitter.
2 Pentodes in push-pull output stage.

CABINET: The cabinet is in black leathercloth with maroon plastic moulded ends. The tuning scale is in the flip-up lid.

CONTROLS: Left—mains on/off/battery (inner) and volume (outer).
Right—wavechange (inner) and tuning (outer) on concentric spindles.

OVERALL DIMENSIONS: 12½ in. high, 15⅝ in. wide, 6⅓ in. deep.
(31.5 cm. by 39.7 cm. by 17 cm.).

WEIGHT: Approx. 21 lbs. (9.5 kilo.) with battery.

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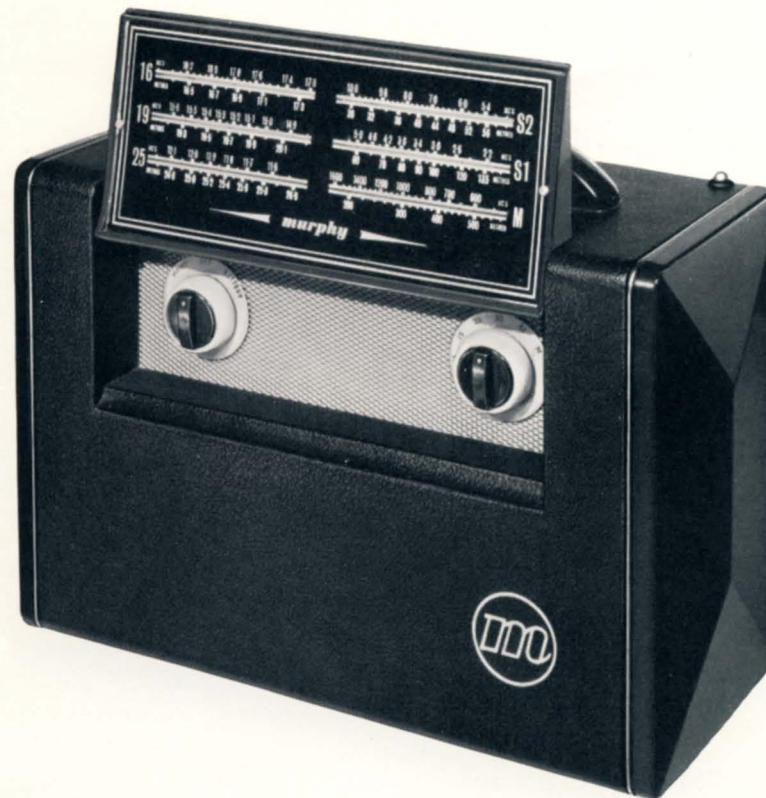
A Murphy A.C. mains/battery portable

This is the very latest Murphy portable set—the TBA228. With batteries you can use it anywhere. Where A.C. electricity is available you just plug in.

As a battery operated set the outstanding advantage of this new Murphy is its great economy. The circuit uses special low consumption valves that make your batteries last longer than ever before.

But what about the sound? Well, here again you will get a pleasant surprise. The TBA228 has two special features (a 'push-pull output stage' and 'negative feedback'—if you like technical terms) which together with the elliptical loudspeaker give a very fine quality of reproduction.

The range is unusually good too. There are one MEDIUM and five SHORT wave bands, three of them band-spread for ease and accuracy of tuning. There are two aerials—an internal frame aerial for medium wave listening and a built-in telescopic rod aerial for short wave bands.



There is also a socket for an external aerial in case of weak reception on the short wave bands.

Now for the appearance of the 228. When you are carrying it, it is a compact and very handsome portable. But when you are using it, the plastic carrying handle is completely hidden by the raised flap-up lid which houses the tuning scale. When you are plugged in to the mains (through a double-wound transformer) the scale lights up and your 'portable' has become a smart table model.

With all these good points the TBA228 is a set you'll be proud to own. And—because it is a thoroughly reliable *Murphy* set—it is one you'll go on being proud of for years and years.