



m u r p h y 1 6 0



C A R T E B L A N C H E



EVERY few years we build a new wireless set for the short-wave enthusiasts—those people who want the best possible reception from the largest number of stations (sunspots permitting) and are prepared to pay for the luxury. We really go to town with each new set, incorporating every worth-while improvement made in radio since our last edition. In short, our Engineers have the fun of designing and building a “custom built” model for the few who want something first-class—and can appreciate it. This 9-valve mains Murphy 160 is the set this year.

the brains

Much of its quality—its outstanding quality of performance—comes from our use of a new tuning unit—a very compact affair developed by us and nicknamed “the Brains of the 160”. The ten push buttons are used for waveband selection—eight for the fully bandspread wavebands 11m, 13m, 16m, 19m, 25m, 31m, 41m, and 49m, and the other two for the short waveband 32–92m, and the medium waveband 190–560m. With flywheel tuning (which lets you cover a whole band on the illuminated dial by one spin of the knob) and with bandspreading, it is very easy to get on to any station.

the magic eye

And after the station has been located you can do your final tuning by sight instead of sound. With the “Magic eye” (that small cathode ray tube just above the dial) to help you, you can tune so sharply on to a station that there is no possibility of distorted reception and there are special circuits compensated for temperature changes, to make sure that it *stays* on tune.

the voice

Reproduction is as good as anything we have produced. The set has a special high power push pull output stage feeding a first-class 10 inch loudspeaker. On medium waves negative feed-back over

the output stages improves still further the bass response and provides well balanced clean sound. We have done our best to cut interference down to the minimum even on difficult days and there is a tone control for use in the event of serious static or similar interference.

the looks

In short everything has been done to give you the best reproduction you can get from a table model. Even the shape of the cabinet helps. Attractive as it is the cabinet is mainly designed to give good clean bass without boom. The cabinet is finished in two tones of figured French walnut and the tuning dial is in perspex.

One last word: Reliability. The 160 is of course built for use in any climate. But more than that, it has been tested and found to work well—and keep on working well—under far more arduous conditions than it is ever likely to meet.



murphy 160

A 9-valve mains driven superhet receiver fully tropicalized for use in any climate and available in the following voltages:

TA160: For A.C. mains only.
90-160 and 190-250 volts, 40-100 cycles.
Consumption: 110 watts.

TU160: For A.C. or D.C. mains.
190-250 volts D.C. and 190-250 volts A.C. 25-100 cycles.
Consumption: 127 watts.

WAVE RANGES

| | |
|-----------------------------------|----------------------------------|
| BANDSPREAD SHORT WAVES | 11 metre band (25·2 -27·0 Mc/s) |
| | 13 metre band (20·9 -22·4 Mc/s) |
| | 16 metre band (17·35-18·35 Mc/s) |
| | 19 metre band (14·85-15·75 Mc/s) |
| | 25 metre band (11·52-12·20 Mc/s) |
| | 31 metre band (9·35- 9·96 Mc/s) |
| | 41 metre band (7·05- 7·52 Mc/s) |
| 49 metre band (5·94- 6·34 Mc/s) | |
| S BAND | 32-92 metres (9·4-3·25 Mc/s) |
| MEDIUM WAVES | 190-560 metres (1600-535 Kc/s) |

VALVE TYPES

TA160: Mazda 6F1, 6C9, 6F15, 6LD20, 6LD20, 6P25, 6P25, UU6, 6M1

TU160: Mazda 10F1, 10C1, 10F9, 10LD11, 10LD11, 10P14, 10P14, U404, U404, ME91

CONTROLS

The ten buttons for waveband selection are grouped in two rows of five, with each button adjacent to its corresponding scale. This makes it easy to select any band at a glance.

The other controls are, from left to right: volume; radio-to-gram; tone and on/off; tuning.

OTHER FEATURES

Gramophone pick-up sockets.

External loudspeaker sockets.

DIMENSIONS 24 in. by 11½ in. by 18 in. tall (61 cms. by 29 cms. by 46 cms. tall).

WEIGHT TA160—43·5 lbs. 19·7 Kgs. TU160—35 lbs. 15·9 Kgs.

your

murphy

dealer