PYE M.P./U.

Three-valve, plus rectifier, four waveband table model superhet, suitable for 200-250 volts A.C. or D.C. mains. Made by Pye, Ltd., Radio Works, Cambridge.

common primary on M. and L. 70 watts. waves, feed V1, the frequency-changer. Separate reaction windings are provided types. for each oscillator coil but the tuned | Speaker Connections,-1 (top), black of the oscillator coil windings.

the grid.

V2 and V2 to V3, the first has perme- coil. ability-adjusted cores and the second is adjusted by moving the two windings.

V3 is a double-diode output pentode returning the volume control to the driver. junction of R13, R14.

V5 is a straightforward half-wave rectifier with L18, a smoothing choke, 520 m. There is no padding adjustment. in the H.T. lead to the valves and L17, the speaker field coil, in shunt across the

Wavebands, 13.5-53, 50-200, 190-570 and 800-2,200 m. Provision for 2-4 ohm Circuit.—Transformer coils, with a extension speaker. Mains consumption,

coils are in the anode circuit instead of rubber flex to speech coil; 2, black stiff to field: 3, red flex to hum coil: 4, red Of the I.F. transformers linking VI to stiff to field; 5, hum coil and speech

GANGING

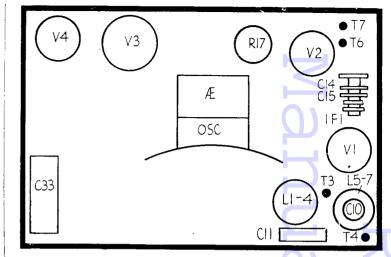
I.F. Circuits.—Adjust at 465 kc. Move with orthodox demodulation, A.V.C. and outer coils only on second I.F. trans-L.F arrangements. The L.F. bias is former and seal with coil dope. Adjust made lower than the A.V.C. delay bias by 1.F.1 cores with non-metallic screw-

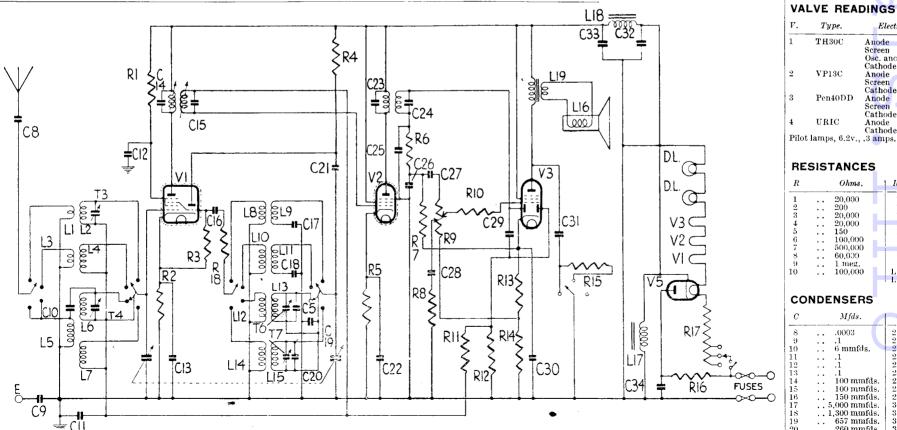
> M.W. Band.—Inject 210 m. and trim with T6 and T4. Cheek calibration at

> L.W. Band.—Adjust T7 at 1,300 m., slightly rocking gang.

> There are no padding or aerial trimming adjustments.

S.W. Band. -Adjust T3 at 15 m., rocking gang. On both bands check tracking and adjust if necessary by spac-Fuses.—These are 1 amp. 14 in. ing the S.W. aerial windings. Calibration can be adjusted by altering the spacing





Type. Electrode. Volts. **TH30C** Anode Screen

164 $\frac{4.4}{3.8}$ $\frac{10}{10}$ Osc. ancde Cathode VP13C 164 Anode Screen Cathode Pen40DD Anode Cathode URIC Anode Pilot lamps, 6.2v., .3 amps.

RESISTANCES

R	Ohms.	Н	R	Ohms.
1	 20,000		11	 1 meg.
2	 200	_	12	 1 meg.
$\frac{2}{3}$	 20,000		13	 150
4	 20,000		14	 300
4 5 6 7	 150		15	 3,000
6	 100,000		16	 100
7	 500,000		17	 650 tapped
8	 60,000			100 and 200
9	 1 meg.		18	 50
10	 100,000		L17	 6,500
			L18	 56.)

CONDENSERS

C	Mfds.	-C	Mfds.
8		21	150 mmfds
9	1	$\frac{22}{23}$	1
10	6 mmfds.		19) mmfds.
11	1	24	100 mmfds.
12	1	25	150 mmfds.
13	1	26	150 mmfds.
14	100 mmfds.	27	005
15	100 mmfds.	28	., .005
16	150 mmfds.	29	150 mmfds.
1.7	5,000 mmfds.	30	20
18	. 1,300 mmfds.	31	05
19	657 mmfds.	32	8-8
20	260 mmfds.	33	24
		34	1