



### VALVE TABLE

The following readings were taken with an H.T. battery reading 90 volts between maximum and H.T.-on load. Values are  $\pm 20$  per cent., frame aerial connected, and receiver switched to MW and tuned to point of no reception. Resistance readings taken with valves removed and batteries disconnected. S = Short Circuit;  $\infty$  = open circuit. Socket numbers are given in brackets.

VALVES.		V1 (W21)	V2 (HL21)	V3 (HL2)	V4 (KT2)
ANODE	Volts to chassis ...	70-83*	35	50	80
	Current (mA) ...	1.0-0*	0.4	0.5	4.5
	Resistance to chassis ...	(cap) $\infty$	(1) $\infty$	(1) $\infty$	(1) $\infty$
SCREEN	Volts to chassis ...	68-80*	—	—	83
	Current (mA) ...	0.3-0*	—	—	0.8
	Resistance to chassis ...	(1) $\infty$	—	—	(5) $\infty$
BIAS	Voltage ...	0.6-0*	—	0.3	2.0
	Measured ...	Slider VR1 to chassis	—	Tap on VR1 to chassis	Junction R11, R12 and chassis
GRID	Resistance to chassis ...	(2) 1 megohm	(2) $\infty$	(2) 1 megohm	(2) 3,590
FILAMENT	Volts across sockets ...	2	2	2	2
	Current (amps) ...	0.1	0.1	0.1	0.2
	Resistance to chassis (3) ...	S	S	S	S
	Resistance to chassis (4) ...	$\infty$	$\infty$	$\infty$	$\infty$

\* Varies with setting of VR1.  
Where two values are given the first is for VR1 at maximum.

Total H.T. consumption (measured at H.T.-plug) Min. 6.5 mA.  
Total L.T. consumption ... Max. 7.3 mA.  
0.5 ampere.