

1936.

TECHNICAL INFORMATION

BULLETIN NO. 109

(TYPE)

"ELSTREE" DUAL WAVE RECEIVER.

RECEIVER

COLLIER & BEALE LTD.

WELLINGTON

RESISTOR DETAILS.

"ELSTREE" DUAL WAVE RECEIVER.

R-1	.5-meg. A.V.C. filter
2	600-ohm. R.F. bias
3	50,000-ohm. oscillator grid leak
4	150-ohm. 1st detector and I.F. bias (Note:- In later models this has been changed to 300-ohms.)
5	15,000-ohm. screen dropping
6	15,000 " " bleeder
7	1-meg. A.V.C. filter
8	.5-meg. diode load - volume control. (Note:- Later models have been changed, and have a type of volume control identical to that fitted to previous "Daventry" and "Gloucester" Receivers. This is not shown in circuit diagram attached).
9	1-meg. screen dropping
10	.25-meg. plate load
11	.1 " audio plate filter
12	.5 " " grid "
13	1 " grid leak
14	.5 " bias potentiometer
15	.1 " tone control
16	75,000-ohm. bias potentiometer

CONDENSER DETAILS.

"ELSTREE" DUAL WAVE RECEIVERS.

T-1	}	
2	}	
3	}	High frequency alignment condensers
4	}	
5	}	
6	}	
C-1	}	
2	}	3-gang variable condenser, 450-mmfd.
3	}	
4		.05-mfd. A.V.C. filter
5		.25 " screen by-pass
6		.1 " R.F. bias by-pass
7		.05 " A.V.C. filter
8		.00025-mfd. oscillator grid condenser (Note:- In later models this has been changed to .0001-mfd.)
9		.25-mfd. 1st detector and I.F. bias by-pass
10		.01 " audio coupling condenser
11		.0001" diode load by-pass
12		.0001" R.F. plate filter
13		.25 " audio " "
14		.1 " " grid "
15		.05 " tone control
16		.1 " 6B7 screen by-pass
17	}	8- " filter condensers
18	}	
19		.25 " H.T. by-pass
20	}	High frequency couplings, made up of plate and grid leads,
21	}	in insulated sleeve.

6LS RADION ELSTREE

