

EDDYSTONE

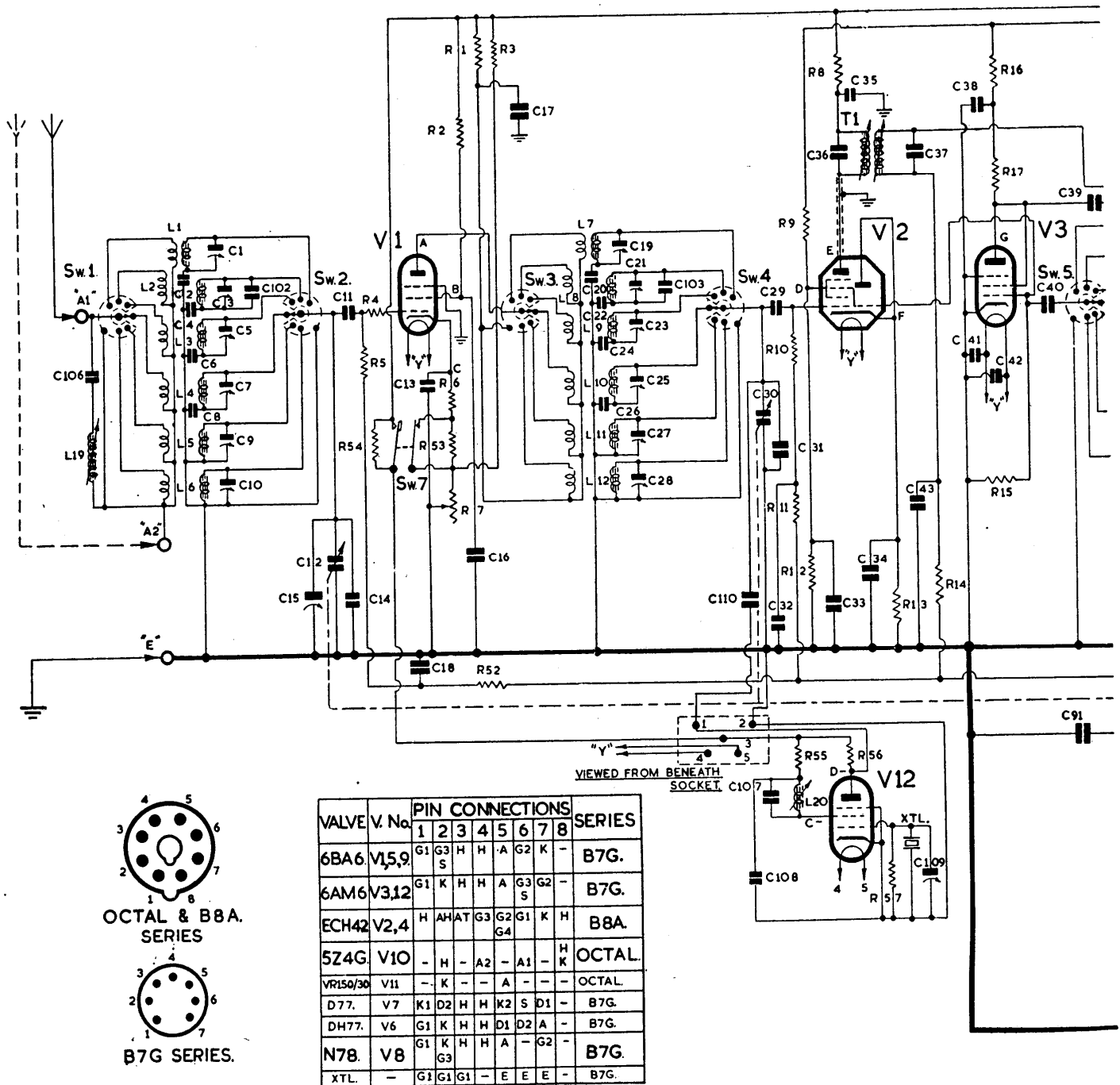
Model 888

General Description : Twelve-valve, six-waveband, double-conversion amateur communications receiver with built-in crystal calibrator and audio filter. Released 1956.

Power Supplies : A.C. mains, 100-125 and 195-250 volts. Consumption about 75 watts.

Wavebands : Bandsread coverage of amateur bands only: 1.8-2 Mc/s.; 3.5-4 Mc/s.; 7-7.3 Mc/s.; 14-14.35 Mc/s.; 21-21.5 Mc/s.; 28-30 Mc/s.

Valve Functions : (V1) 6BA6 (R.F. amplifier); (V2) ECH42 (1st mixer; triode section not used); (V3) 6AM6 (local oscillator); (V4) ECH42 (2nd

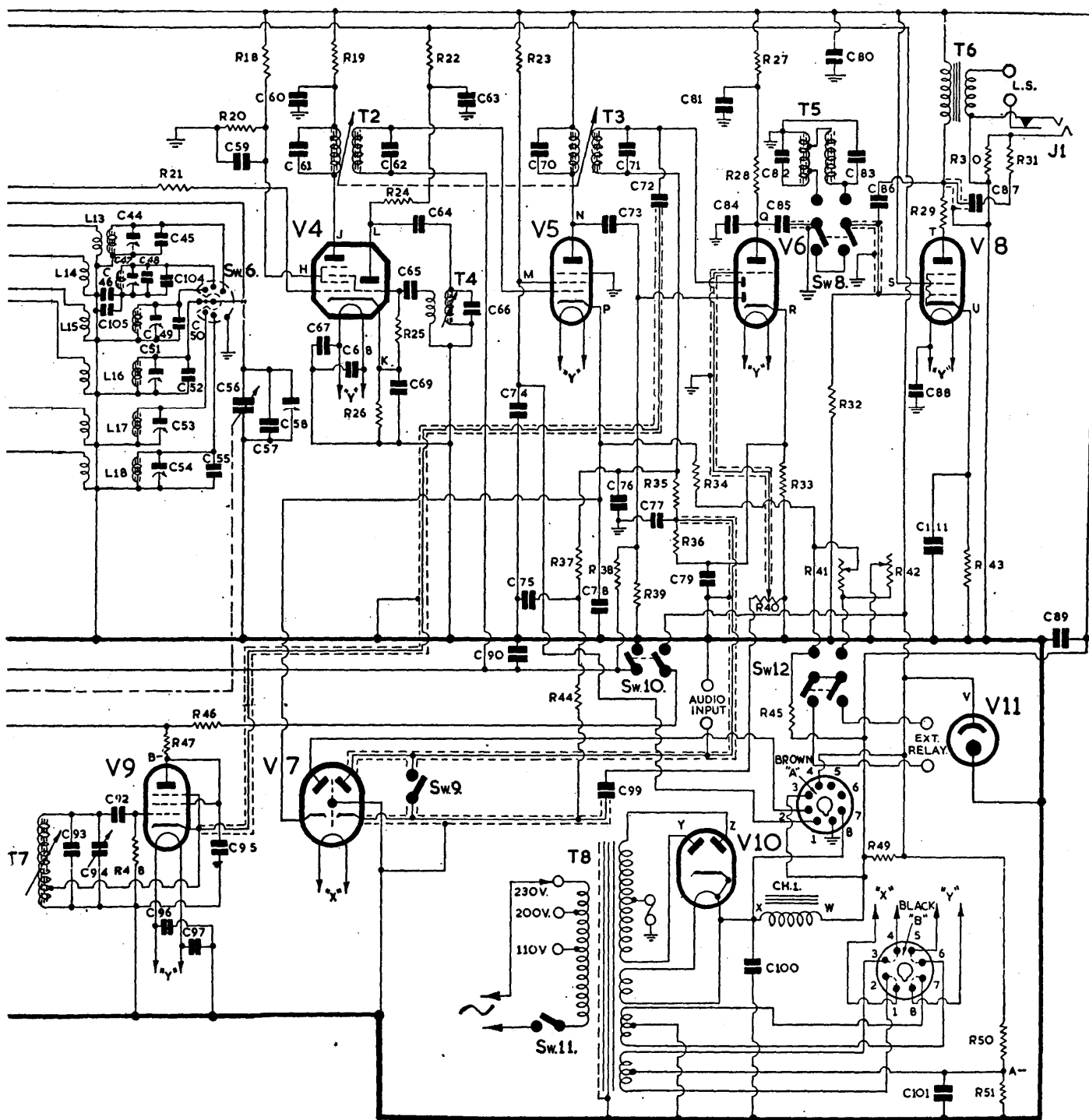


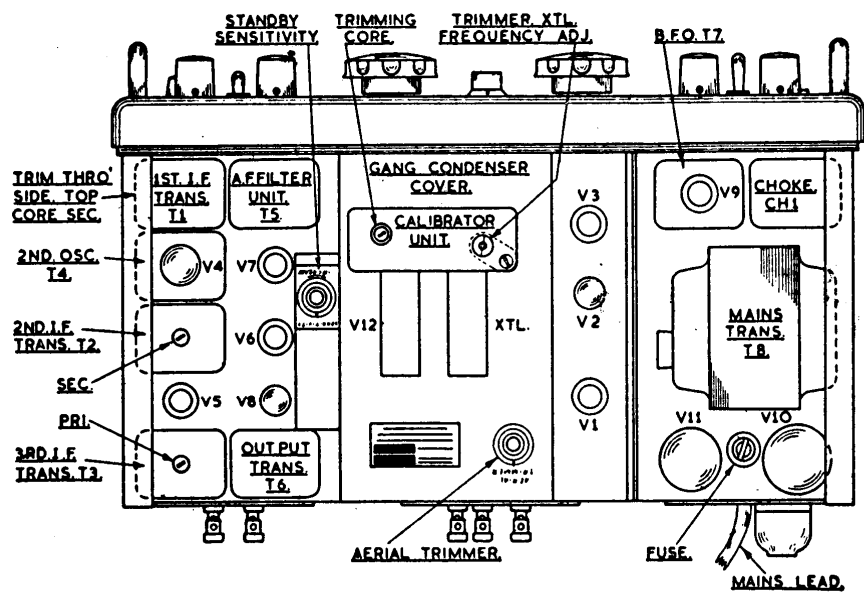
Capacitors.

C1	2.5-33 pF.	C26	40 pF.	C50	400 pF.	C74	0.1	C100	50
C2	80 pF.	C27	2.5-33 pF.	C51	2.5-33 pF.	C75	0.1	C101	30
C3	2.5-33 pF.	C28	2.5-33 pF.	C52	200 pF.	C76	100 pF.	C102	20 pF.
C4	35 pF.	C29	100 pF.	C53	2.5-33 pF.	C77	100 pF.	C103	40 pF.
C5	2.5-33 pF.	C30	8-34 pF.	C54	2.5-33 pF.	C78	0.1	C104	80 pF.
C6	20 pF.	C31	20 pF.	C55	50 pF.	C79	30	C105	35 pF.
C7	2.5-33 pF.	C32	0.01	C56	8-34 pF.	C80	0.01	C106	200 pF.
C8	40 pF.	C33	0.1	C57	40 pF.	C81	4	C107	20 pF.
C9	2.5-33 pF.	C34	0.1	C58	2.5-4 pF.	C82	0.007	C108	0.01
C10	2.5-33 pF.	C35	0.01	C59	0.1	C83	0.007	C109	3-23 pF.
C11	100 pF.	C36	200 pF.	C60	0.01	C84	500 pF.	C110	1 pF.
C12	8-34 pF.	C37	200 pF.	C61	800 pF.	C85	0.01 mfd.	C111	30 (15 v.)
C13	0.01	C38	0.1	C62	800 pF.	C86	6 pF.		
C14	20 pF.	C39	200 pF.	C63	0.1	C87	0.01		
C16	0.1	C40	50 pF.	C64	100 pF.	C88	0.25		
C17	0.1	C41	500 pF.	C65	100 pF.	C89	50		
C18	0.01	C42	500 pF.	C66	200 pF.	C90	0.1		
C19	2.5-33 pF.	C43	0.01	C67	0.01	C91	0.01		
C20	80 pF.	C44	2.5-33 pF.	C68	0.01	C92	100 pF.		
C21	2.5-33 pF.	C45	30 pF.	C69	0.01	C93	400 pF.		
C22	35 pF.	C46	120 pF.	C70	800 pF.	C95	0.01		
C23	2.5-33 pF.	C47	2.5-33 pF.	C71	800 pF.	C96	0.01		
C24	20 pF.	C48	30 pF.	C72	40 pF.	C97	0.01		
C25	2.5-33 pF.	C49	2.5-33 pF.	C73	20 pF.	C99	0.01		

Resistors.

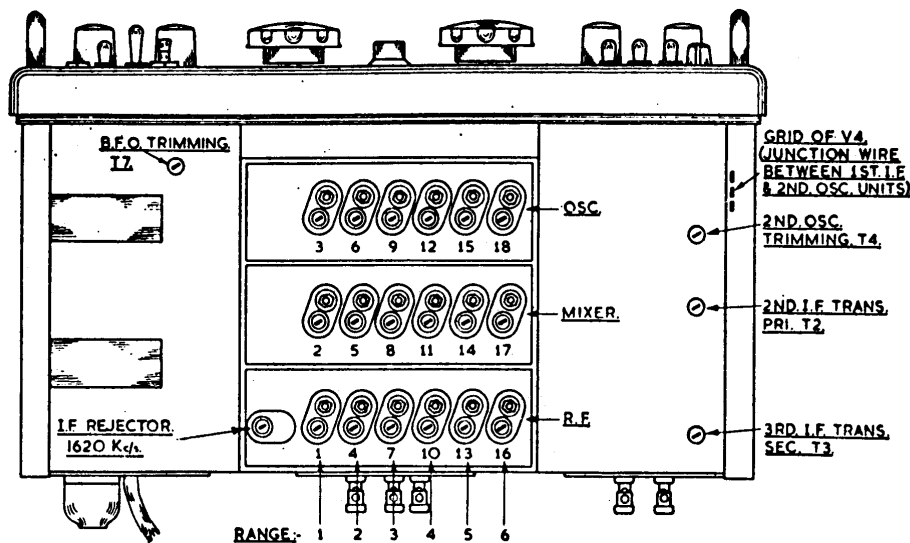
R1	1k
R2	33k (1 W.)
R3	68k
R4	12
R5	0.47M
R6	68
R7	10k (Pot.)





Resistors.

R8	1k	R34	
R9	10k	R35	0.1M
R10	0.47M	R36	0.1M
R11	0.47M	R37	1.0M
R12	15k (1 W.)	R38	0.47M
R13	330	R39	0.47M
R14	0.47M	R40	0.5M (Pot.)
R15	22k	R41	50k (Pot.)
R16	1k	R42	10k (Pot.)
R17	10k	R43	150
R18	27k (1 W.)	R44	2M
R19	1k	R45	68k
R20	27k (1 W.)	R46	1k
R21	12	R47	47k
R22	1k	R48	47k
R23	33k (1 W.)	R49	2.7k (W.W)
R24	10k	R50	0.1M
R25	47k	R51	6.8k
R26	220	R52	0.47M
R27	27k	R53	0.1M
R28	0.27M	R54	3M
R29	47	R55	22k
R30	1k	R56	0.27M
R31	33k	R57	1M
R32	0.47M		
R33	3.3k		



Voltage Values: Voltages given below are between the points indicated and chassis. Set receiver at 28 Mc/s. on range 1 with the aerial shorted out. I.F. and R.F. controls set at maximum. A.F. gain control set at minimum with all controls on except crystal calibrator, which is switched on for points C-, D-. Values are given using two types of meter: a high-sensitivity 20,000-ohms/volt (e.g., Avo Model 8) and a lower-sensitivity meter such as the Avo Model 40. Total D.C. consumption 110 mA. Input 75 VA.

frequency changer); (V5) 6BA6 (85 kc/s. I.F. amplifier) (V6) 6AT6/DH77 (demodulator/A.G.C. rectifier/A.F. amplifier); (V7) 6AL5/D77 (noise limiter and "S" meter diodes); (V8) N78 (output); (V9) 6BA6 (beat-frequency oscillator); (V10) 5Z4G (rectifier); (V11) VR150/30 (voltage stabiliser); (V12) 6AM6 (100-kc/s. crystal oscillator).

Intermediate Frequencies : 1st I.F. 1620 kc/s.; 2nd I.F. 85 kc/s.

Circuit Reference	20,000 ohms/volt	Avo Model 40	Circuit Reference	20,000 ohms/volt	Model 40
A	250	237	R	1.5	0.75
B	100	86	S	255	250
C	1	1	T	245	240
D	73	67	U	5.1	4.9
E	250	245	V	150	150
F	1.45	1.3	W	255	250
G	105	97	X	275	270
H	86	77	Y	250 A.C.	245 A.C.
J	250	241	Z	250 A.C.	245 A.C.
K	1.9	1	A-	10	2.4
L	105	93	B-	105	75
M	105	90	C-	182	130
N	255	247	D-	20	7
P	1.1	1			
Q	125	43			