

TECHNICAL INFORMATION

BULLETIN No. 103.

(TYPE)

Note → NEW SERIES TYPE "6 AW" RECEIVER.
uses 6.3-volt valve
+ ~~is~~ ~~not~~ ~~only~~

July 1935

6 AW

RECEIVER

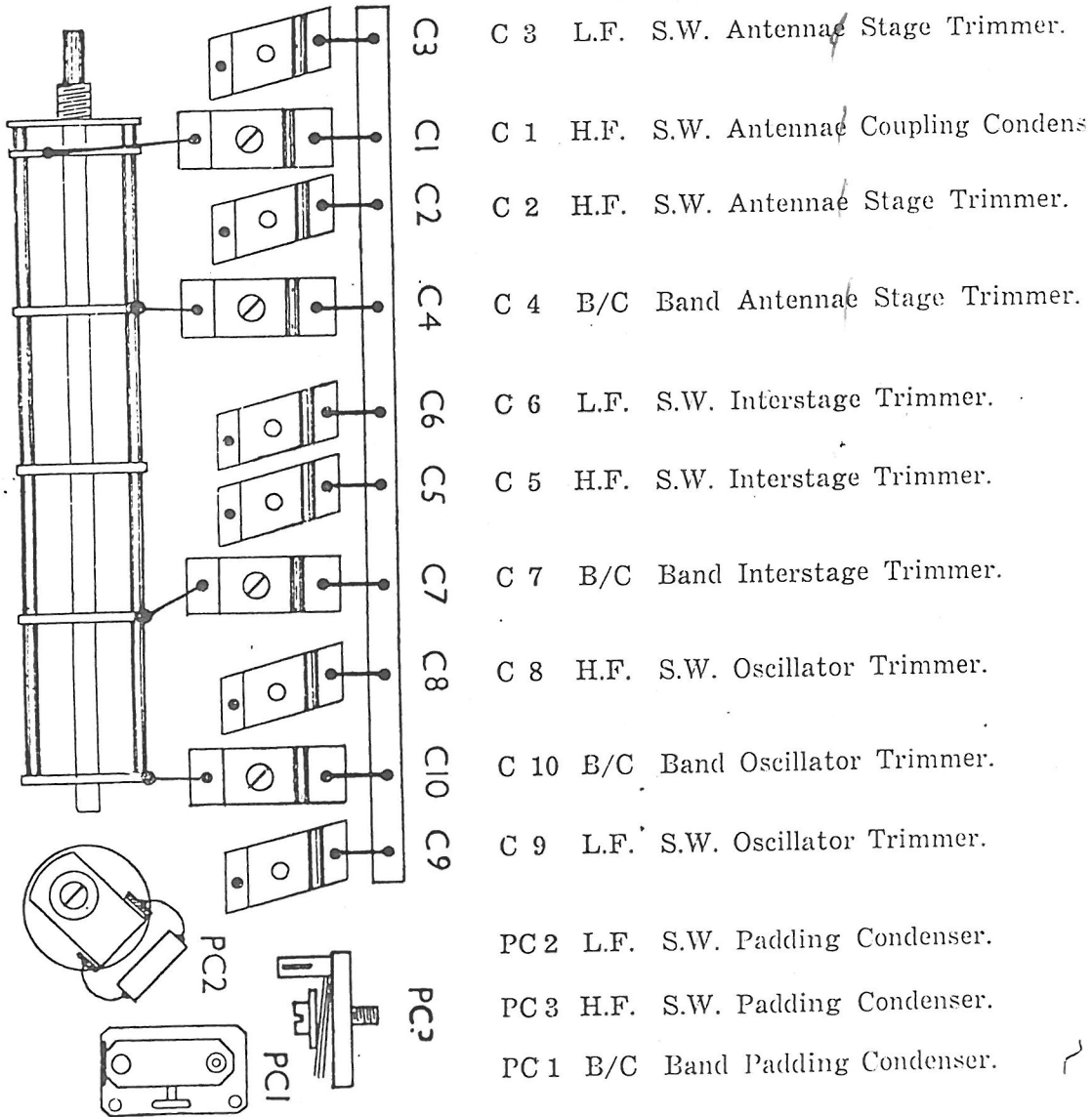
COLLIER & BEALE LTD.

WELLINGTON

Actually, such a condition is desirable, as it permits of the greatest amount of useful reaction to be obtained under normal receiving conditions.


TYPE 6 A.W. RECEIVER

Location of Trimming & Padding Condensers.



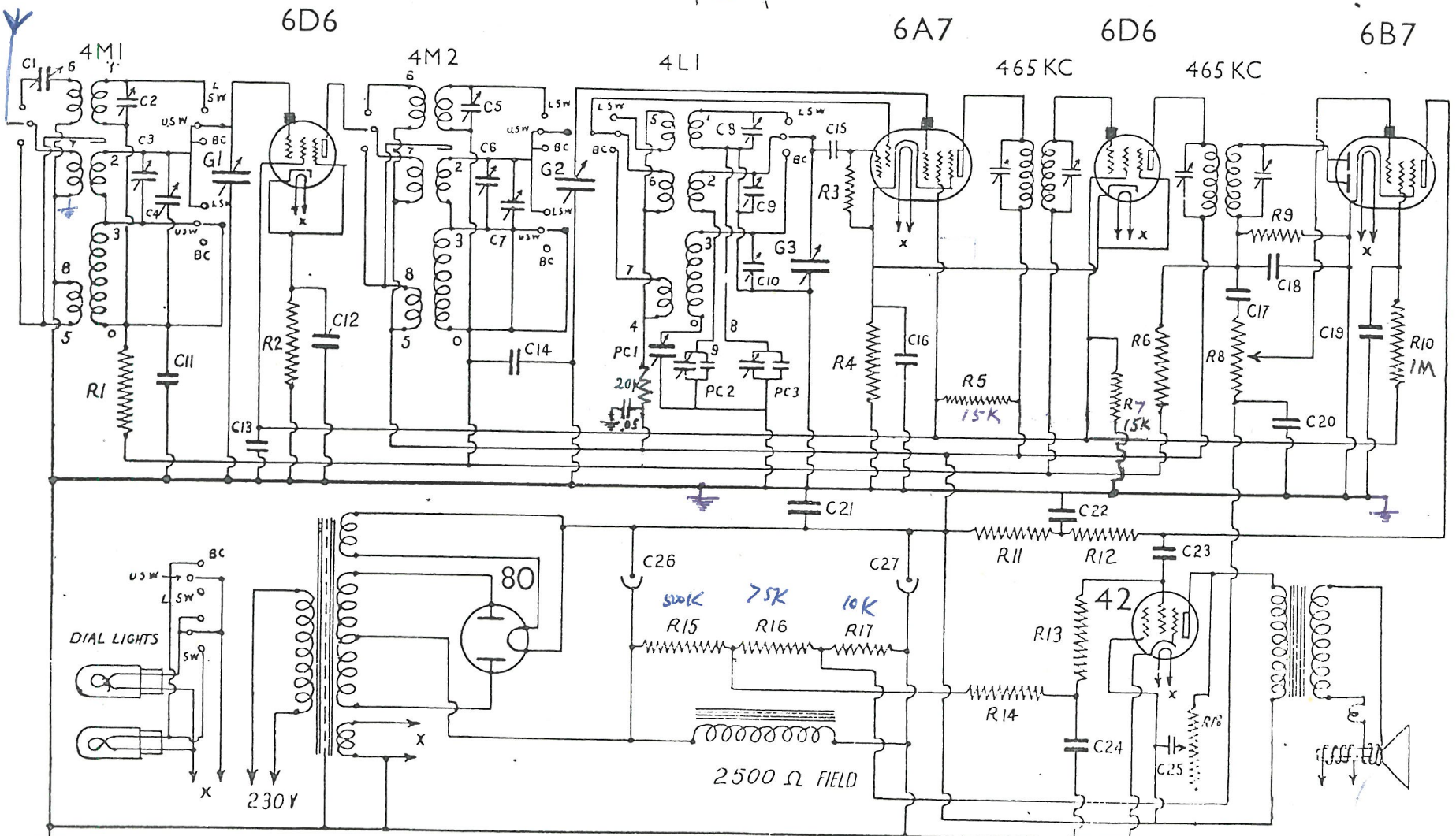
TYPE "6AM" RECEIVER - CONDENSER
CAPACITIES.

C.1)	
C.2)	
C.3)	
C.4)	
C.5)	30 to 50 Mmf. Trimmers
C.6)	
C.7)	
C.8)	
C.9)	
C.10)	
G.1)	
G.2)	3-gang Condenser, .00045 Mfd.
G.3)	
P.C.1	.0005 Mfd. approx., Broadcast frequency Padding Condenser
P.C.2	.002 Mfd. approx., low frequency short wave Padding Condenser.
P.C.3	.005 Mfd. approx., High frequency short wave Padding Condenser.
C.11	.05 Mfd. A.V.C. Filter
C.12	.1 Mfd. R.F. Bias By-Pass
C.13	.25 Mfd. Screen By-Pass
C.14	.05 Mfd. A.V.C. Filter
C.15	.00025 Mfd. Oscillator Grid Condenser
C.16	.25 Mfd. 1st Detector and I.F. By-Pass
C.17	.01 Mfd. Audio Coupling Condenser
C.18	.0001 Mfd. Diode Load By-Pass
C.19	.1 Mfd. 6B7 Screen By-Pass.
C.20	25 Mfd. 6B7 Bias Filter
C.21	.25 Mfd. High tension By-Pass
C.22	.25 Mfd. Audio Plate Filter
C.23	.01 Mfd. Audio Coupling Condenser
C.24	.1 Mfd. Audio Grid filter
C.25	.05 Mfd. Tone Control
C.26	8 Mfd. Electrolytic Condenser, insulated.
C.27	8 Mfd. Electrolytic Condenser, earthed.

R.1	.5 Megohm A.V.C. Filter
R.2	600 Ohm. R.F. Bias
R.3	75,000 Ohm. Oscillator Grid leak
R.4	150 Ohm. 1st Detector and I.F. Bias
R.5	15,000 Ohm. Screen Dropping
R.6	1 Megohm A.V.C. Filter
R.7	15,000 Ohm. Screen bleeder
R.8	500,000 Ohm. Volume Control
R.9	.5 Megohm Diode Load Resistance
R.10	1 Megohm 6B7 Screen dropping
R.11	.1 Megohm 6B7 Audio Plate Filter
R.12	.25 Megohm 6B7 Plate load
R.13	1 Megohm Grid leak
R.14	.5 Megohm Audio Grid filter
R.15	.5 Megohm
R.16	75,000 Watt  Bias Potentiometer.
R.17	10,000 Ohm.
R.18	100,000 Tone Control

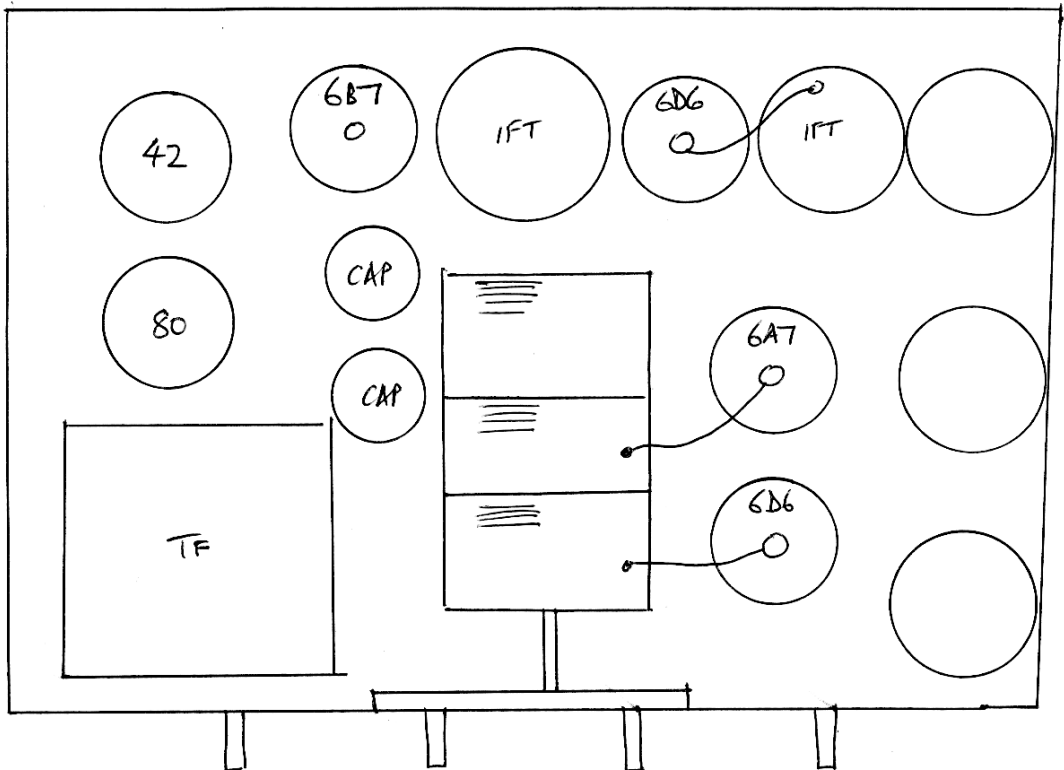
6AW RECEIVER July 1935

"New Series" uses 6.3-volt valves.





State All World Radio. C&B model 6AW (6.3V valve series). SN A2352.
Photo: James Davidson



STATE 6AW - TOP VIEW OF CHASSIS

Drawing by J Davidson, 2017.