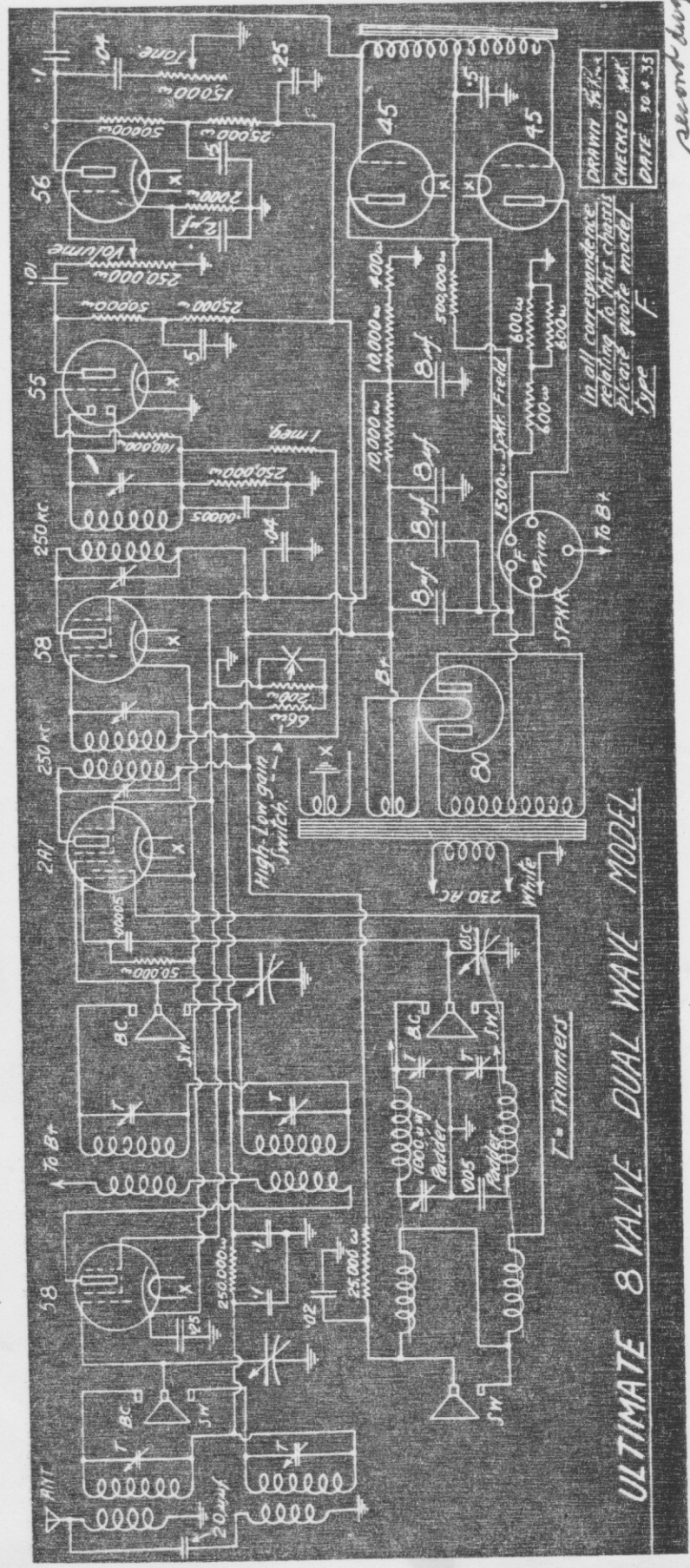


1939
Note: Collier FC
replaced by
FC 1941 model

AUSTRALIAN

"Ultimate" 8V A.C. Operated Dual Wave Console Model "F" (1935)



The design of this receiver is fairly straightforward and should present no particular difficulty in servicing. Attention should be paid to the absence of primary switching on the aerial and R.F. coils; the diode-biased 55 triode section; the centre-tapped choke method of phase-inversion for excitation of the push-pull 45's; and the elaborate filtering and decoupling employed throughout. Attention should also be paid to the fact that the 45's are "back-biased" from the voltage drop across the network of three 600 ohms resistors (total effective resistance, 900 ohms) seen at the lower right-hand side of the diagram.

"Ultimate" receivers are manufactured by Radio Ltd., in Auckland, New Zealand, and are distributed in Australia by Geo. Brown & Co. Pty. Ltd., of Clarence Street, Sydney, N.S.W.

Ultimate model "F" is an eight-valve receiver designed for dual-wave coverage and operation from 200-250 v., A.C., supply. The receiver is of the console type and is fitted with five controls, these being for volume, tuning, wave-change, tone (continuous), and sensitivity (2-position "high-low gain" switch). The loud-speaker employed is a heavy-duty unit with a field-coil resistance of 1,500 ohms.

Collier FC 20206 (early model)
FC 20206 (see the diagram)
It is not here from filler
on 455 bias

This receiver is
first series with
modified to spec of P.P.P.

Spk bias resistor
is increased from 400Ω
to 900Ω in this model

"FU" (W. Fitch)

FC
FU

F
1935