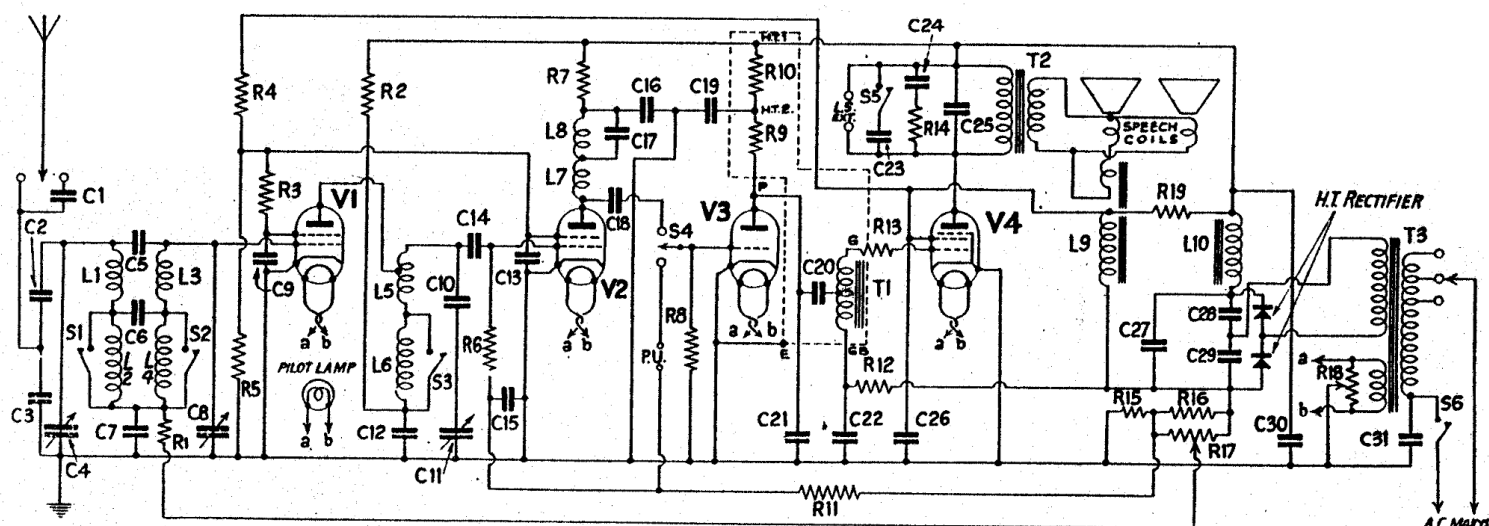


# MCMICHAEL - Twin Supervox



The circuit of the "Twin Supervox." The trimmers of the tuning condensers are not shown. The components in the dotted enclosure form the L.F. coupling unit, shown in Fig. 2.

## COMPONENTS AND VALUES

Condensers	Value ( $\mu$ F)
C1	Series aerial condenser
C2	Capacity potential divider
C3	
C4	Band-pass primary tuning
C5	Band-pass coupling condensers
C6	
C7	V1 grid decoupling
C8	Band-pass secondary tuning
C9	V1 S.G. by-pass
C10	Safety blocking condenser
C11	V1 anode tuning
C12	V1 anode decoupling

Condensers (cont.)	Value ( $\mu$ F)
C13	V2 S.G. by-pass
C14	Coupling to V2
C15	V2 grid decoupling
C16	V2 anode decoupling
C17	Part of filter in V2 anode circuit
C18	V3 grid condenser
C19	V3 anode decoupling
C20	Parallel feed condenser to T1
C21	V3 anode by-pass
C22	V4 grid decoupling
C23	Tone-control condenser
C24	Part of voltage-limiting circuit
C25	Tone-control condenser
C26	V4 aux. grid by-pass
C27	H.T. smoothing (electrolytic)
C28	Voltage-doubler condensers
C29	
C30	H.T. smoothing (electrolytic)
C31	Mains disturbance by-pass

Resistances	Value (Ohms)
R1	V1 grid decoupling
R2	V1 anode decoupling
R3	V1 S.G. decoupling
R4	V1 and V2 S.G. potential divider
R5	
R6	V2 grid resistance
R7	V2 anode decoupling
R8	V3 grid-leak
R9	V3 anode resistance
R10	V3 anode decoupling
R11	V2 grid decoupling
R12	V4 grid decoupling
R13	V4 H.F. stopper
R14	Part of voltage-limiting circuit
R15	Tapped G.B. resistance
R16	
R17	Variable potentiometer volume control
R18	Centre-tapped potentiometer across heaters
R19	Part of V4 aux. grid pot. divider

Components	Value (ohms) (approx.)
L1	Pri. band-pass coils
L2	
L3	Sec. band-pass coils
L4	
L5	Tuned-anode coils
L6	
L7	Aperiodic coupling H.F. choke
L8	Part of filter circuit
L9	Speaker field
L10	Speaker field
T1	Intervalve auto-transformer, total winding
T2	Speakers input transformer, Pri.
T3	Mains transformer, Pri. (total)
	Heater sec.
	H.T. sec.
S1-S3	Waveband ganged switches
S4	Radio-gramophone switch
S5	Tone-control switch
S6	Mains switch (with R17)

Valve	Anode Volts	Anode Current (mA)	Screen Volts	Screen Current (mA)
V1 6X4B	220	4.5	112	1.25
V2 6X4B	215	4.5	112	1.25
V3 6X4	90	3.5	—	—
*V4 AC/Pen	240	24.0	205	4.0

\*In some sets a Catkin MPT4 is used.

Position	S1	S2	S3	S4	S5
Pick-up MW	Open	Open	Open	Pick-up	Open
(normal)	Closed	Closed	Closed	Radio	Open
MW (controlled)	Closed	Closed	Closed	Radio	Closed
LW (normal)	Open	Open	Open	Radio	Open
LW (controlled)	Open	Open	Open	Radio	Closed