

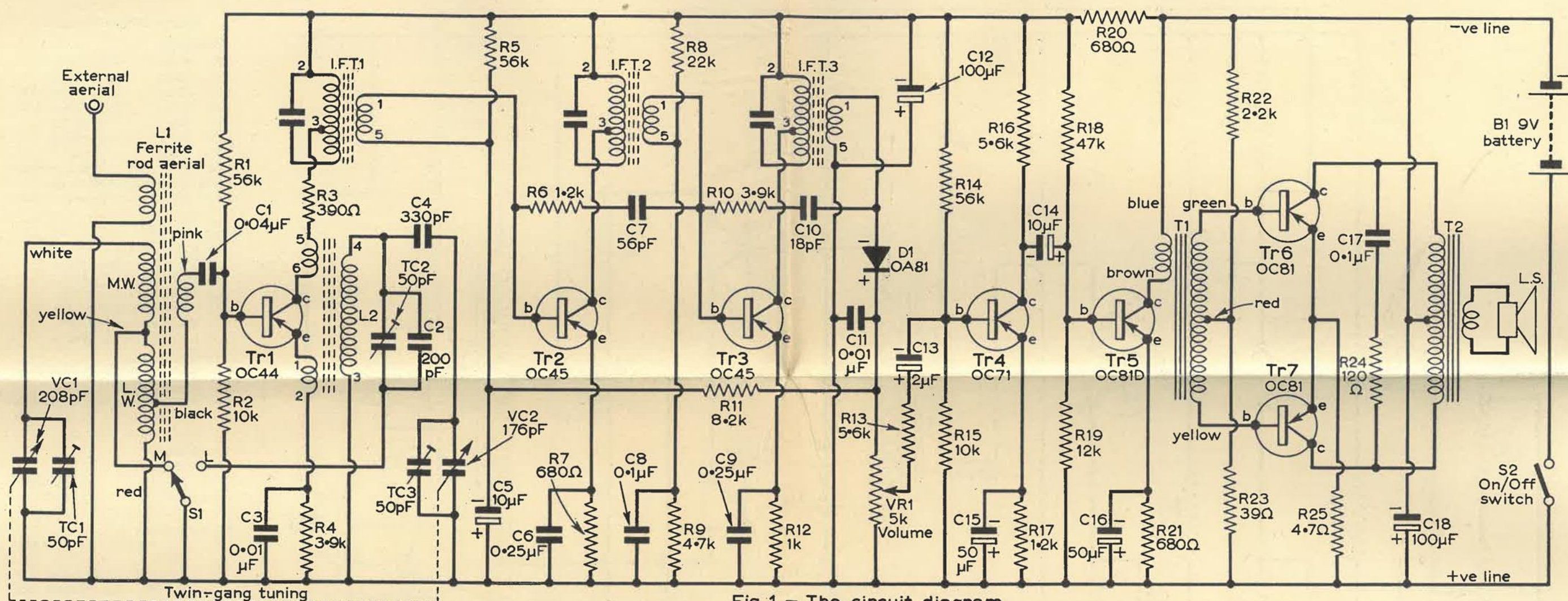


Fig. 1 - The circuit diagram.

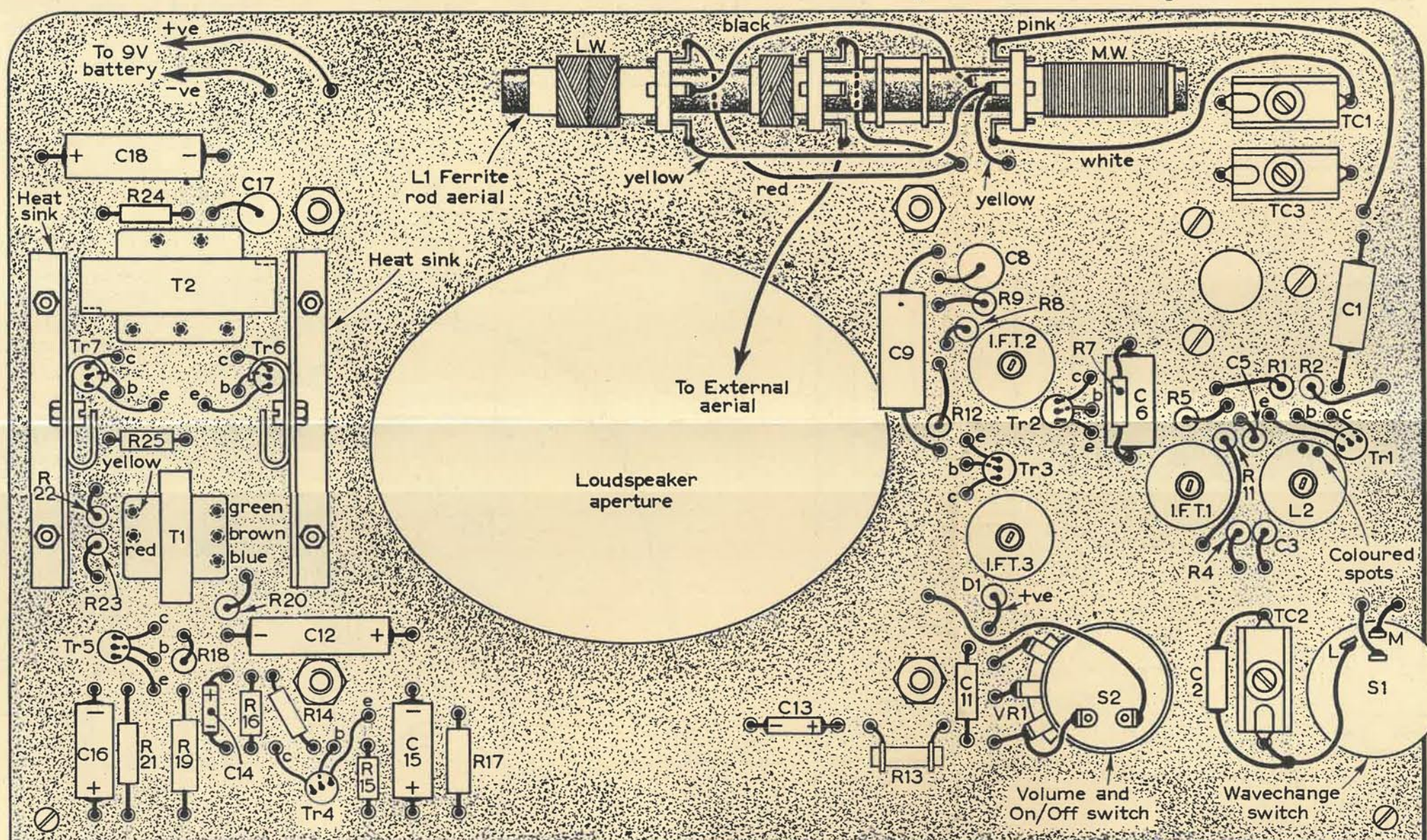


Fig. 2 - Rear side of panel showing components and wiring.

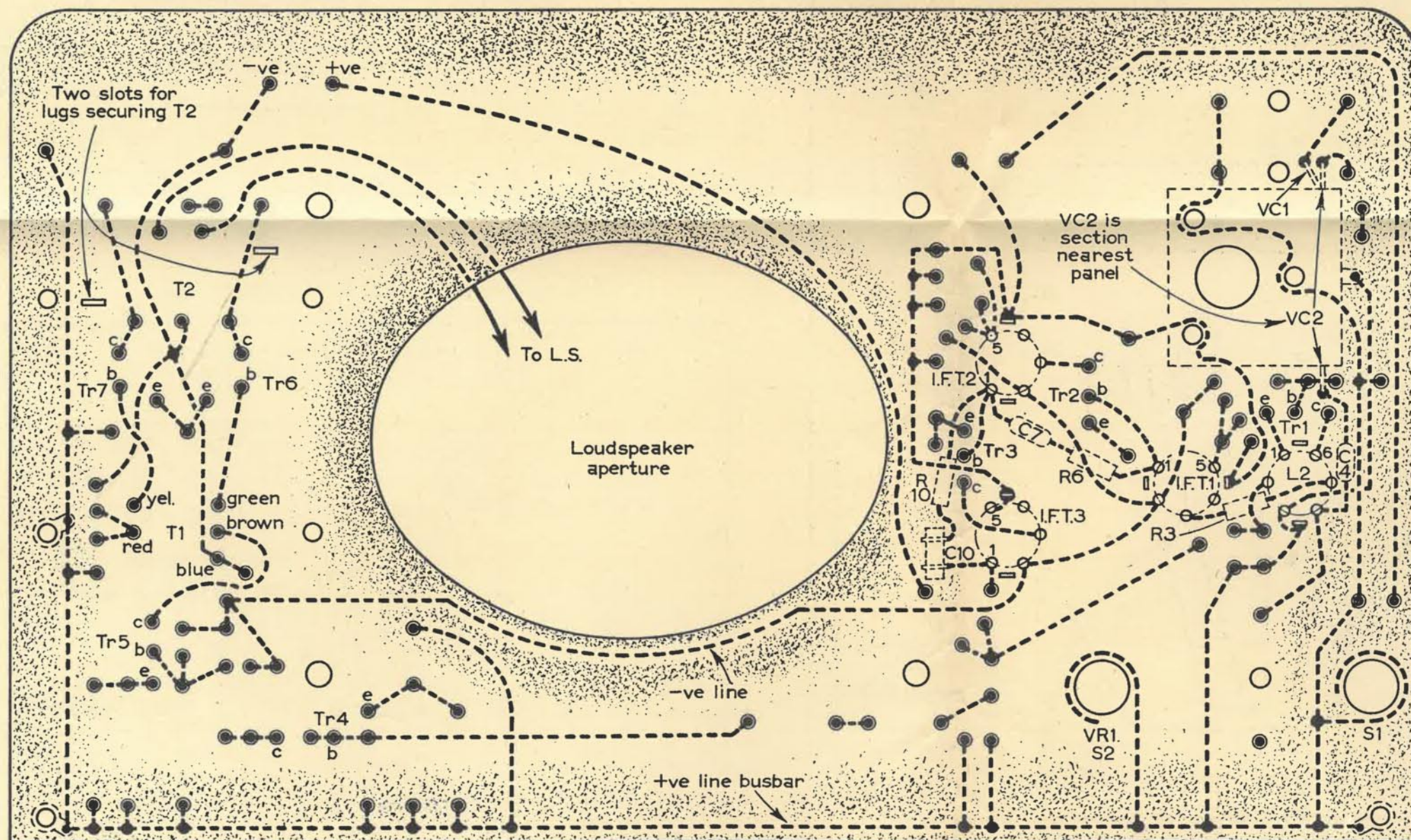


Fig. 3 - Panel viewed from rear: front-side wiring shown dotted.

COMPONENTS LIST

Resistors:

R1	56kΩ	R14	56kΩ
R2	10kΩ	R15	10kΩ
R3	390Ω	R16	5.6kΩ
R4	3.9kΩ	R17	1.2kΩ
R5	56kΩ	R18	47kΩ
R6	1.2kΩ	R19	12kΩ
R7	680Ω	R20	680Ω
R8	22kΩ	R21	680Ω
R9	4.7kΩ	R22	2.2kΩ 5%
R10	3.9kΩ	R23	39Ω 5%
R11	8.2kΩ	R24	120Ω
R12	1kΩ	R25	4.7Ω 10%
R13	5.6kΩ		

All 10% 1/4W carbon, except where otherwise stated.

VR1 5kΩ potentiometer with switch.

Capacitors:

C1	0.04μF paper
C2	200pF ceramic
C3	0.01μF paper
C4	330pF ceramic
C5	10μF electrolytic 15V
C6	0.25μF paper
C7	56pF 5% silver mica
C8	0.1μF paper
C9	0.25μF paper
C10	18pF 5% silver mica
C11	0.01μF paper
C12	100μF electrolytic 15V
C13	2μF electrolytic 15V
C14	10μF electrolytic 15V
C15	50μF electrolytic 15V
C16	50μF electrolytic 15V
C17	0.1μF paper
C18	100μF electrolytic 15V
VC1	208pF two-gang variable
VC2	176pF with internal screen (Jackson 00)
TC1	50pF compression-type trimmer
TC2	50pF
TC3	50pF

Semiconductors:

Tr1	OC44
Tr2	OC45
Tr3	OC45
Tr4	OC71
Tr5	OC81D
Tr6,7	OC81 (matched pair)
D1	OA81

Inductors:

L1	6in. Ferrite rod aerial, l.w., m.w. and external aerial coupling (Weyrad RA2W)
L2	Oscillator coil (Weyrad P50/1AC)

Transformers:

T1	Push-pull driver transformer (Osmor)
T2	Push-pull output transformer with secondary to match 3Ω loudspeaker (Osmor)
IFT1	470kc/s i.f. transformer (Weyrad P50/2CC)
IFT2	470kc/s i.f. transformer (Weyrad P50/2CC)
IFT3	470kc/s i.f. transformer (Weyrad P50/3CC)

Switches:

S1	Miniature rotary 1-pole, 2-way
S2	Toggle on/off (see VR1)

Miscellaneous:

B1	9V battery (Ever Ready PP7)
LS	Elliptical loudspeaker 7in. x 4in., 3Ω speech coil (Elac)

Cabinet with back, knobs, dial and carrying handle (Osmor). Battery connector. Small amount of 16s.w.g. aluminium for heat sinks. Two OC81 transistor clips. Coaxial aerial socket, flush mounting.