WYNDSOR

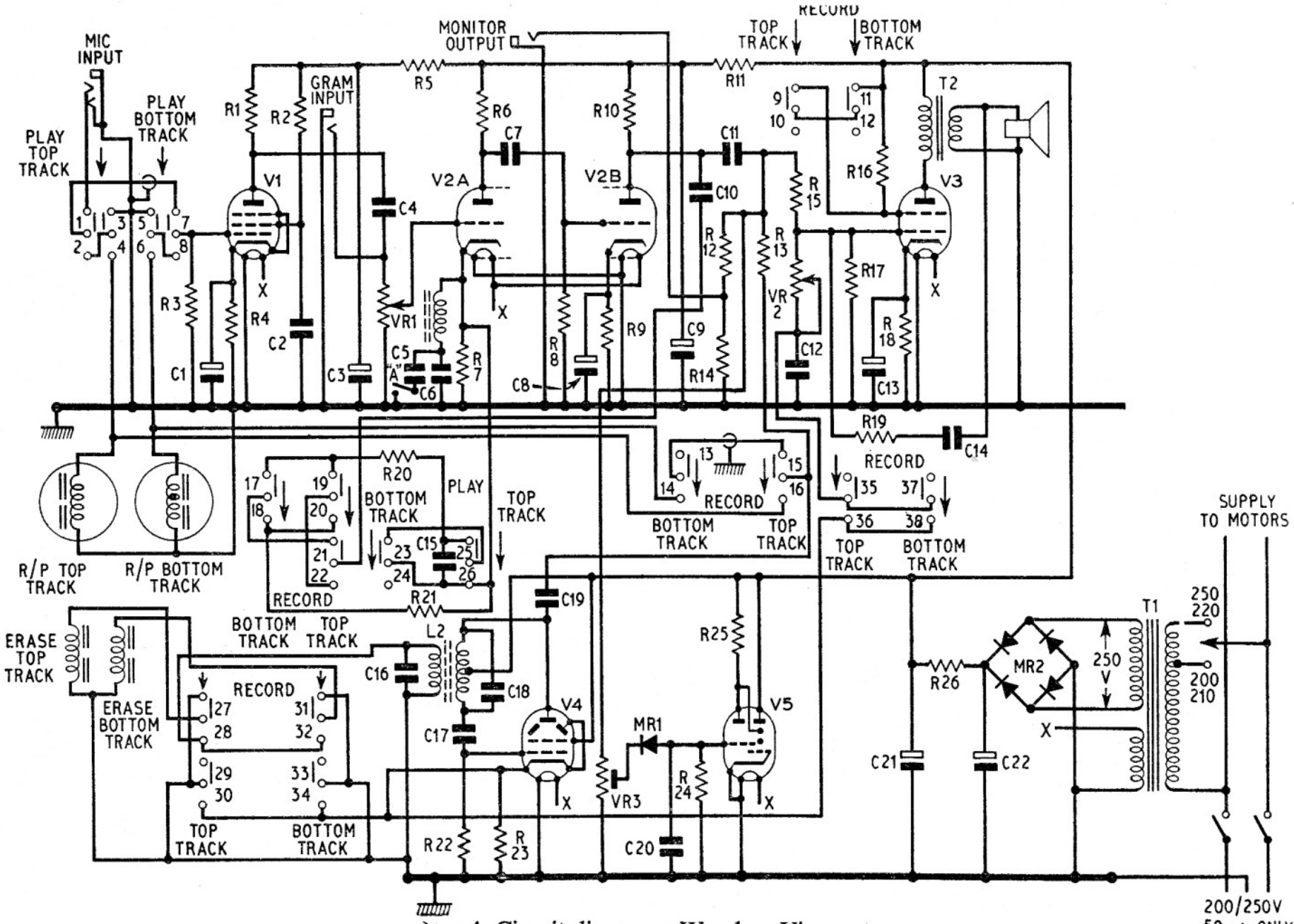

Fig. 4. Circuit diagram—Wyndsor Viscount.

Capacitors

C1	50 (12v.)
C2	0·1
C3	16 (350v.)
C4	0·1
C5	0·005
C6	0·0045
C7	0·01
C8	50 (12v.)
C9	16 (350v.)
C10	0·1
C11	0·1
C12	0·005
C13	50 (12v.)
C14	0·01
C15	0·004
C16	0·007
C17	0·002
C18	0·002
C19	197 pF
C20	0·05
C21	50 (350v.)
C22	50 (350v.)

Resistors

R1	220k H.S.
R2	1M H.S.
R3	1M
R4	1k
R5	100k
R6	220k
R7	3·9k
R8	1M
R9	1·5k
R10	47k
R11	47k
R12	100k
R13	100k
R14	10k
R15	100k
R16	22k
R17	470k
R18	150
R19	100k
R20	100k
R21	220k
R22	47k
R23	220k
R24	4·7M
R25	1M
R26	650
VR1	1M
VR2	250k
VR3	2·2M

D.C. Resistances (ohms)

T1 pri.	600
T2 pri.	45
T2 sec.	220
L1	150
L2 pri.	21
L2 sec.	2

Valves: V1 6BR7 microphone and playback preamplifier; V2 12AX7 a.f. amplifier; V3 EL84 audio output; V4 6BW6 h.f. oscillator; V5 EM84 record-level indicator; MR1 M1 rectifier; MR2 C3B h.t. rectifier.

Note.—L1 tuned to 13 kc/s at 7½ in./sec, 8–9 kc/s at 3¾ in./sec.

Dismantling: Remove seven self-tapping screws and the speed control knob. Lift off the plastic dress cover, remove wood screws from either end of the magic-eye panel, remove the three 2BA bolts securing the transcriptor to the cabinet, and, by means of the carrying handle, lift the assembly clear of the cabinet.

Voltages: The readings given below were measured with an Avo Model 8 (20,000 ohms/volt) on the 1,000 and 10 volt ranges. The voltages on the main h.t. line (junction of R26, C21) is 260 volts on playback, 230 volts on record; at the junction of R11, R10 180 volts on playback, 150 volts on record; at the junction of R1, R5 130 volts on playback, 110 volts on record.

Valve	*Anode, volts*	*Screen, volts*	*Cathode, volts*	*Playback or Record*
V1	35	22	0·5	Playback
V1	30	20	0·5	Record
V2A	120	—	1·2	Playback
V2A	100	—	1	Record
V2B	145	—	1·1	Playback
V2B	120	—	1·2	Record
V3	220	260	7	Playback
V3	220	170	4·5	Record
V4	260	260	35	Playback
V4	225	230	0	Record

Bias voltage 80V r.m.s., erase voltage approximately 25V at 120mA.