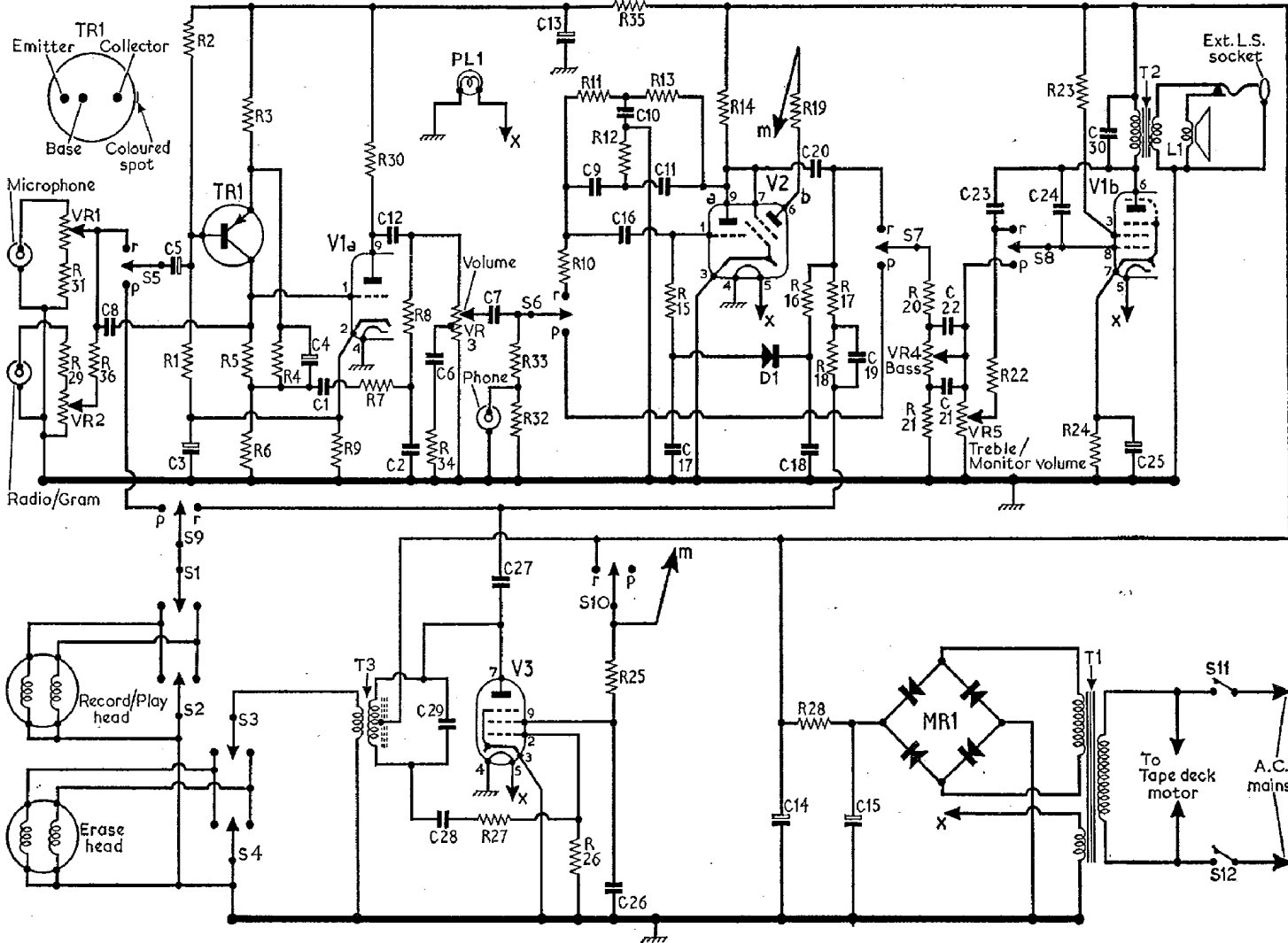


C	8	5 3	4,1	12, 2	6,28,29	7,27	13	9 26,10,16,11,17	14 18,20 15,19	21,22 23	24	30 25	C
R	VR1,31,29,VR2 36	1,2	3,5,6,4	9	30,7	8,34, VR3, 27, 32,33	10,26,11,25,12,35,13,15	14	19,16,28,17,18	20,VR4,21,VR5,22	23,24		R



COMPONENT VALUES & LOCATIONS

Resistors								
R1	18kΩ	B1	R28	330Ω	—	C14	40μF	—
R2	1.5MΩ	B1	R29	220kΩ	—	C15	40μF	—
R3	120kΩ	B1	R30	220kΩ	A1	C16	0.01μF	A1
R4	10kΩ	B1	R31	10kΩ	—	C17	0.01μF	A1
R5	56kΩ	B1	R32	100kΩ	A1	C18	220pF	A1
R6	150Ω	B1	R33	1MΩ	A1	C19	1,000pF	A1
R7	390kΩ	A1	R34	68kΩ	—	C20	0.1μF	A1
R8	220kΩ	A1	R35	22kΩ	—	C21	4,700pF	—
R9	27kΩ	A1	R36	20kΩ	—	C22	1,500pF	—
R10	100kΩ	A1	VR1	20kΩ	—	C23	56pF	A1
R11	150kΩ	A1	VR2	20kΩ	—	C24	10pF	A1
R12	68kΩ	A1	VR3	2MΩ	—	C25	50μF	B1
R13	150kΩ	A1	VR4	2MΩ	—	C26	0.47μF	B1
R14	120kΩ	A1	VR5	500kΩ	—	C27	25pF	B1
R15	1MΩ	A1	Capacitors			C28	0.01μF	B1
R16	27kΩ	A1	C1	300pF	A1	C29	2,700pF	B1
R17	56kΩ	A1	C2	300pF	A1	C30	3,000pF	—
R18	56kΩ	A1	C3	50μF	A1	Miscellaneous		
R19	18kΩ	B1	C4	50μF	B1	D1	OA81	A1
R20	100kΩ	—	C5	50μF	B1	L1	6V60mA	—
R21	120kΩ	—	C6	2,000pF	—	MR1	C38	—
R22	220kΩ	—	C7	2,000pF	—	S1-S4	—	—
R23	100kΩ	A1	C8	68pF	B1	S5-S10	—	—
R24	200kΩ	B1	C9	210pF	A1	S11, S12	—	—
R25	10kΩ	B1	C10	470pF	A1	T1	—	—
R26	10kΩ	B1	C11	120pF	A1	T2	—	—
R27	47kΩ	B1	C12	0.1μF	A1	T3	—	B1
			C13	8μF	—			

BAIRD 101 VARSITY

SPECIFICATION (As supplied by the manufacturer)

Mains Supply:	210-250V 50c/s a.c.
Consumption:	80 Watts approximately.
Tape Deck:	B.S.R. type TD10.
Tape Speeds:	1½in/sec, 3½in/sec and 7½in/sec.
Tracks:	Four on ¼in tape.
Reel Diameter:	7in maximum.
Fast Wind/	
Rewind Time:	2½ mins approximately for 850 feet of tape.
Record Level	
Indicator:	Fluorescent indicator with linear display.
Inputs:	Microphone, sensitivity 1mV into 20kΩ impedance. Radio/gram, sensitivity 200mV into 250kΩ impedance.
Outputs:	High impedance for external amplifier and low impedance for external speaker with automatic muting of internal speakers.
Tone Controls:	Independent bass and treble.
Loudspeaker:	8in by 5in elliptical.
Microphone:	Magnetic, stick type with stand.
Frequency Response:	70c/s—4.5kc/s at 1½in/sec, 70c/s—8kc/s at 3½in/sec, 70c/s—11kc/s at 7½in/sec, ± 3dB.
Signal/Noise Ratio:	30dB at 1½in/sec, 36dB at 3½in/sec, 42dB at 7½in/sec.
Distortion:	4 per cent at 250mV (high impedance output), 5 per cent at 1W (low impedance output).
Dimensions:	16in by 16½in by 8in.
Weight:	24 pounds.

Voltage Table

Transistor	Record			Play		
	Emitter (V)	Base (V)	Collector (V)	Emitter (V)	Base (V)	Collector (V)
TR1. OC44	16	—	13	18.5	—	15.5
Valve	Anode (V)	Screen (V)	Cathode (V)	Anode (V)	Screen (V)	Cathode (V)
V1 ECL86	105	—	14.0	115	—	16.5
V2 EM87	215	—	5.8	250	—	7.0
V3 BL84	58	—	—	65	—	—
	215	—	—	—	—	—
	—	115	—	—	—	—