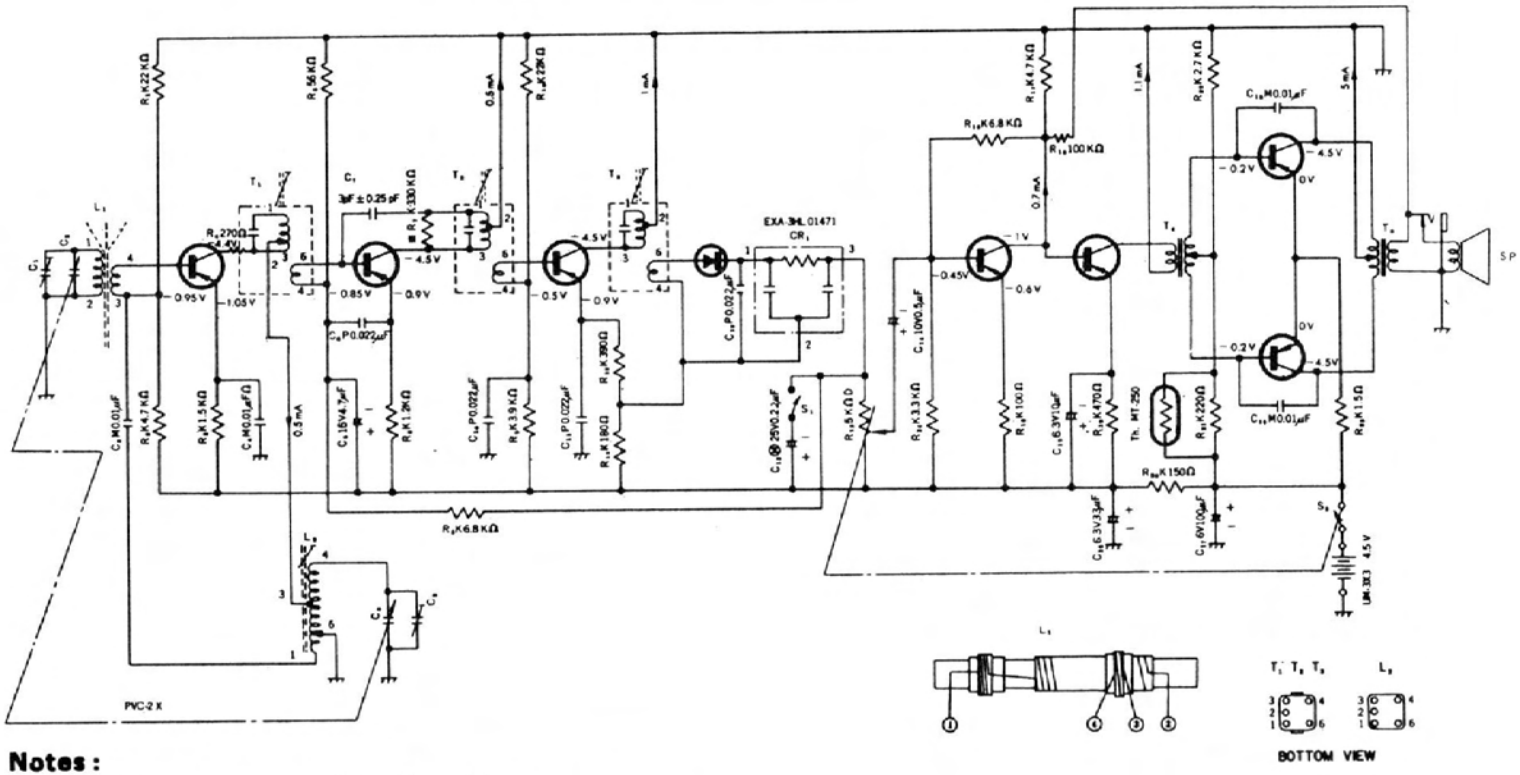
TR-1	TR-2	TR-3	D-1	TR-4	TR-5	TR-6 & TR-7
CONV	1st I F AMP	2nd I F AMP	DET & AGC	1st A F AMP	2nd A F AMP	POWER AMP
2SA 100	**2SA 100**	**2SA 100**	**0A90**	**2SB171**	**2SB175**	**2SB176X2**



Notes:

1. S1: Tone switch in "High" position.
2. S2: Power source switch in "OFF" position.
3. DC voltage measurements are taken with circuit tester 10KΩ/volt from positive terminal of battery.
4. Capital letters (M, K, J, P, C) in the circuit diagram show allowable tolerance of resistors and capacitors as follows:
   M=±20% K=±10% J=±5% P=$^{+100\%}_{-\ 0\%}$
5. PF=pico farad=mmf
   μF=micro farad=MF
6. All resistor values in ohms (K=1000Ω).
7. All capacitor values in micro farad (P=μμF).
8. Battery current: No signal..... 20 mA
   Maximum Output..... 115 mA

Fig. 5-7. Penncrest Model 1145 AM portable radio (made by Matsushita Electric Corp. of America). (Courtesy J. C. Penney Co.)