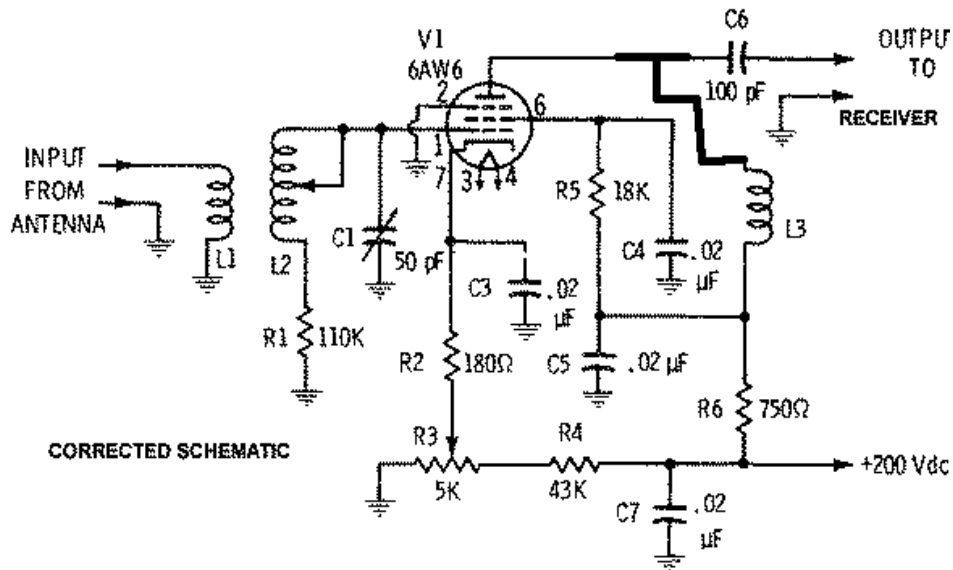


ALL-BAND HAM RECEIVER PREAMPLIFIER

It's billed as a fantastically sensitive RF preselector/preamp that you can put to immediate use on all bands, 160 through 10 meters.

The circuit diagram shows just how simple it really is.



All-band preamp schematic.

Coil **L2** can be tapped by means of an alligator clip for optimum performance on whatever band you're interested in. Simple adjustment of this tap and a quick retune of **C1** and the result is instant DX.

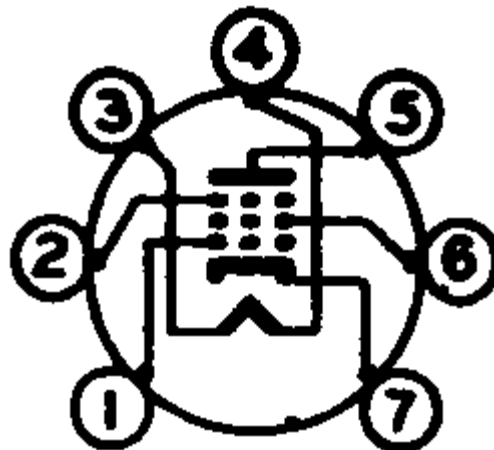
Care should be taken to bypass all power circuits, as indicated in the diagram. Leads should be short and to the point. Power can actually be anything from 125 to 250 VDC, although the 200-volts shown worked best for us.

Potentiometer **R3** is the "gain" control.

This original schematic had errors in it that I hope I have corrected. Further, I replaced the 6AW6 with a 6AH6 after seeing it mentioned as an especially good choice for an RF pre-amp. The 6AK5 is a pin equivalent choice also. These both seem to work nicely.

Parts List for All-Band Ham Receiver Preamp

Item No.	Description
C1	50 pF variable capacitor (Bud MC-1876 or equiv.).
C2, C3, C4, C5, C7	.02 μ F capacitors.
C6	100 pF capacitor.
L1	2 turns of No. 22 insulated wire wound immediately below L2.
L2	27 turns of No. 22 insulated wire wound on an Amphenol 24-4P 1 $\frac{3}{4}$ " coil form. Alligator clip forms the variable tap for use at 2, 5, 7, 11, 15, 18 and 23 turns.
L3	Choke (J. W. Miller 4537 or equiv.).
R1	110K resistor.
R2	180-ohm resistor, 2-watt.
R3	5K potentiometer.
R4	43K resistor, 2-watt.
R5	18K resistor.
R6	750-ohm resistor, 5-watt.
V1	6AW6 tube.



7BK

- 6AH6