

Construction is straight-forward, using the usual transistor wiring methods, on a ZMD type printed circuit board, one of your own, or matrix board.

If any difficulty is experienced in getting the unit to operate, or in finding the band, any of the VHF boys will be pleased to help you out. The possibility of using a computer board type of transistor in place of the OC171 is being investigated.

144 mhz. 3 ELEMENT YAGI. FIG.2.

It is designed for 70 ohm coax. as this minimises stray pickup in strong signal areas, but a suitable ratio folded dipole and 300 ohm ribbon could be used. For dipole design purposes, the radiation resistance is approximately 30 ohms.

FIG. 1.

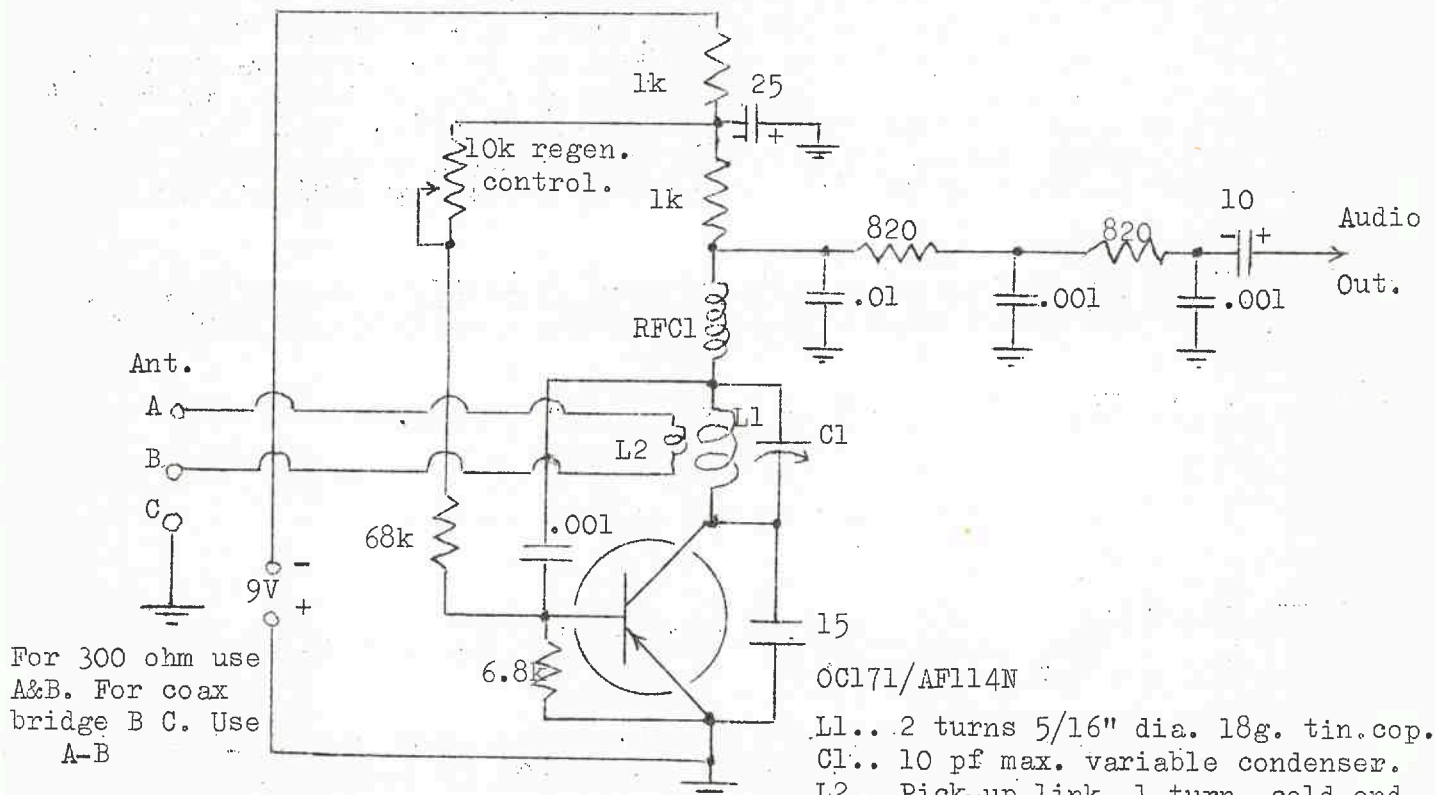


FIG 2.

	8"	16"
Direct.	Driven.	Ref.
	Gain... 7.5 db	
	Back/front	
		24db

Element lengths.. Ref.... 40", $\frac{1}{4}$ " alum or cop.tube.
 Driv... 38", " " " " "
 Dir.... 36", " " " " "

Boom... 25"x $\frac{1}{2}$ " tubing.

