

This design is from the NBS literature shown in HamRadio magazine by W1JR and applied by N6GN.

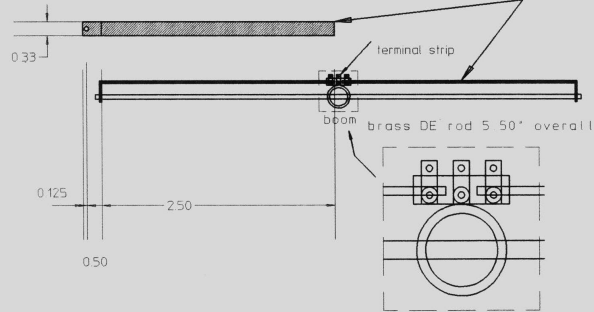
Center frequency is 905 MHz,  $\lambda = 13.05'$   
 Element diameter is .125"  
 Boom diameter is .625"

Brazing rod can be used for the elements and copper water pipe for the boom. This makes soldering easy.

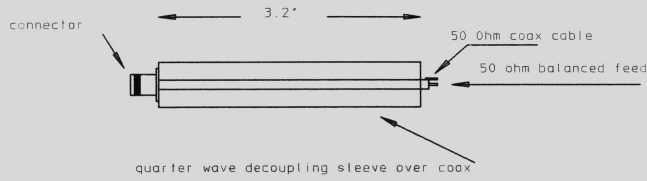
The driven element can be fed a variety of ways but using a folded dipole feed has worked very well and allows flexibility in matching.

sheet copper or brass strip soldered onto fed side of dipole to bring feedpoint to 50 ohms. Resonance tuned by trombone tuners on end of element

Cu or brass strip bent to form one side of folded dipole to reduce impedance to 50 ohms



Use bazaara balun between feedpoint and coax line



Element Label	Element Length (inches)	Distance from Boom (inches)
D13	5.573	54.870
D12	5.573	50.850
D11	5.573	46.830
D10	5.573	42.810
D9	5.573	38.790
D8	5.573	34.770
D7	5.625	30.750
D6	5.677	26.730
D5	5.742	22.710
D4	5.795	18.690
D3	5.964	14.670
D2	5.977	10.650
D1	5.977	6.630
DE	5.500	
R	6.669	2.610