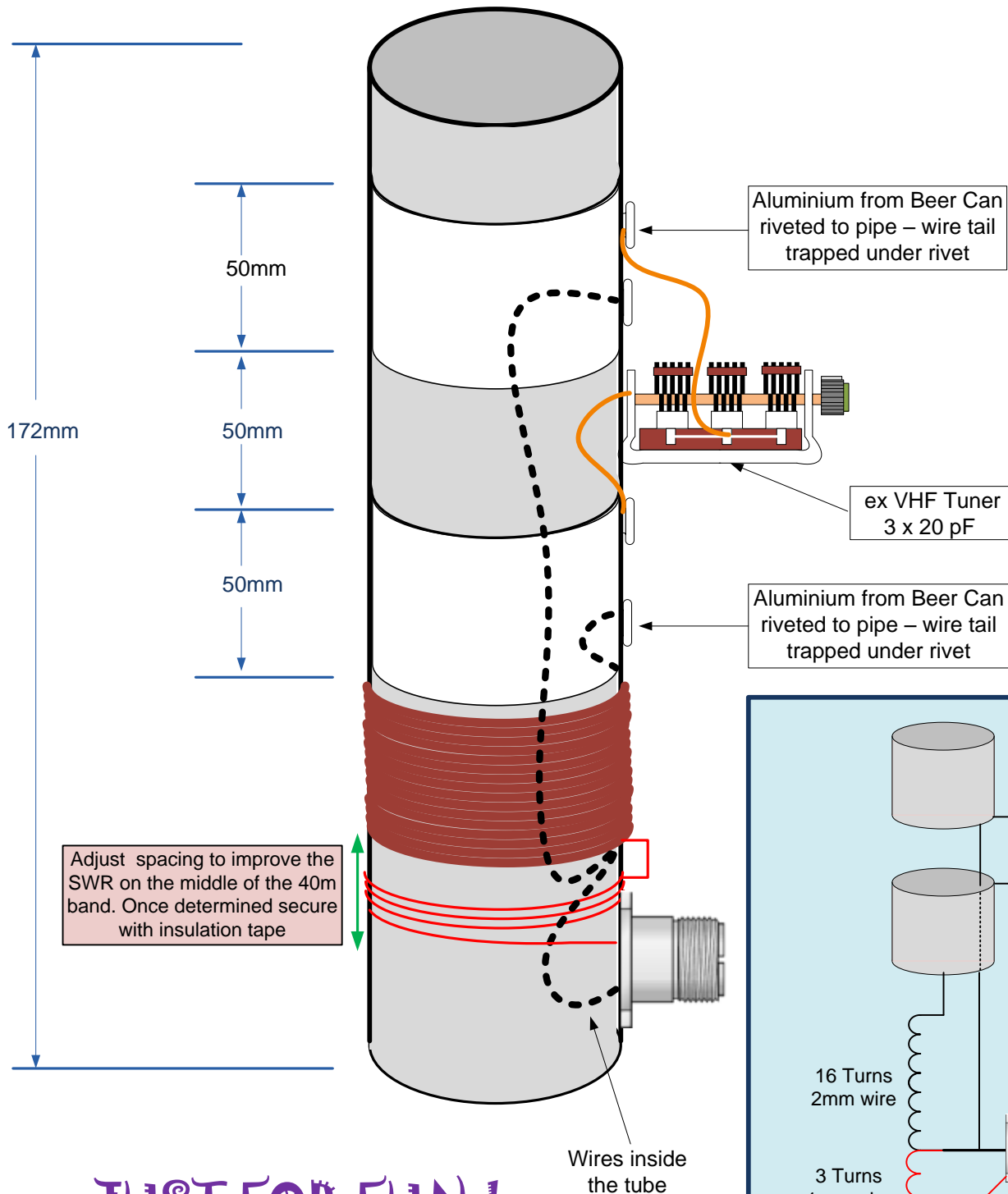


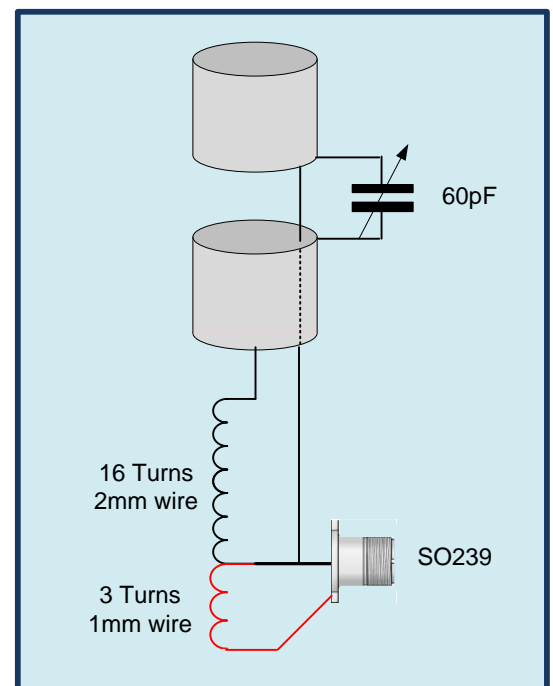
# G8ODE 40m Receiver EH Antenna



Plastic "Marley" 50mm Dia Drain Pipe  
172 mm long

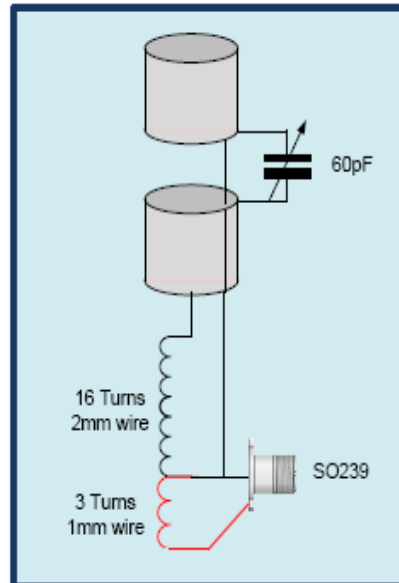
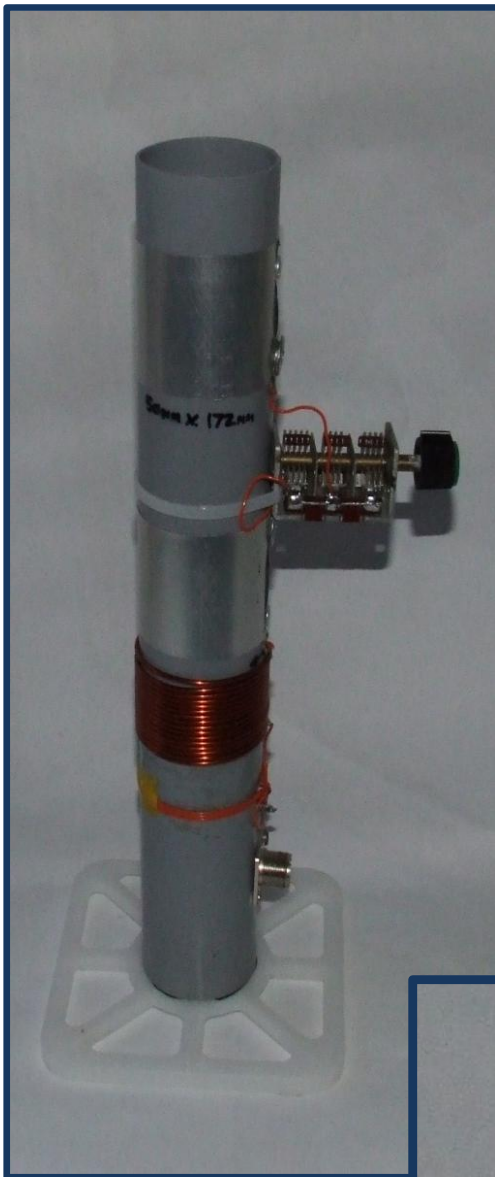


JUST FOR FUN !



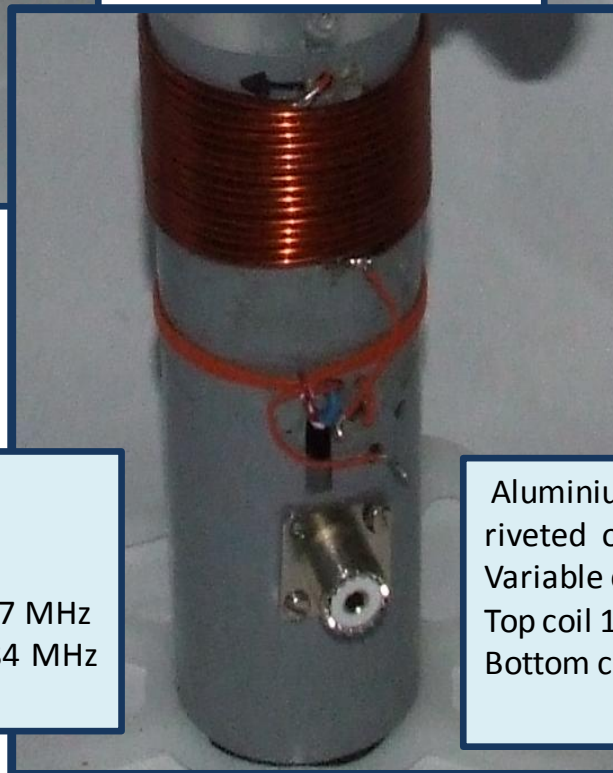
The two aluminium 50 mm tubes form a capacitor, and together with the variable capacitor are wired in parallel with the 16 turns coil. The antenna is coupled with the second coil of 3.5 turns coil that connects the SO239 socket directly feeding the radio. The Tuning is sharp and the antenna exhibits a bandwidth of about 80KHz (SWR 2:1)

# G8ODE 40m Receiver EH Antenna



When Tuned to 7.050MHz.

SWR 1.5:1 @ 7.036 & 7.077 MHz  
SWR 2:1 @ 7.001 & 7.084 MHz



Aluminium Cylinders 50mm long  
riveted onto a 50mm diam pipe  
Variable capacitor 60pF  
Top coil 12 SWG enamelled wire  
Bottom coil 1mm insulated wire

## G8ODE 40m EH Receive Antenna

22 Jan 09

NOTE:- The Plastic Marley 50mm diam drain pipe has served really well as a test-bed.  
The design above is the third EH antenna tested, and has proved to be the easiest to tune.