

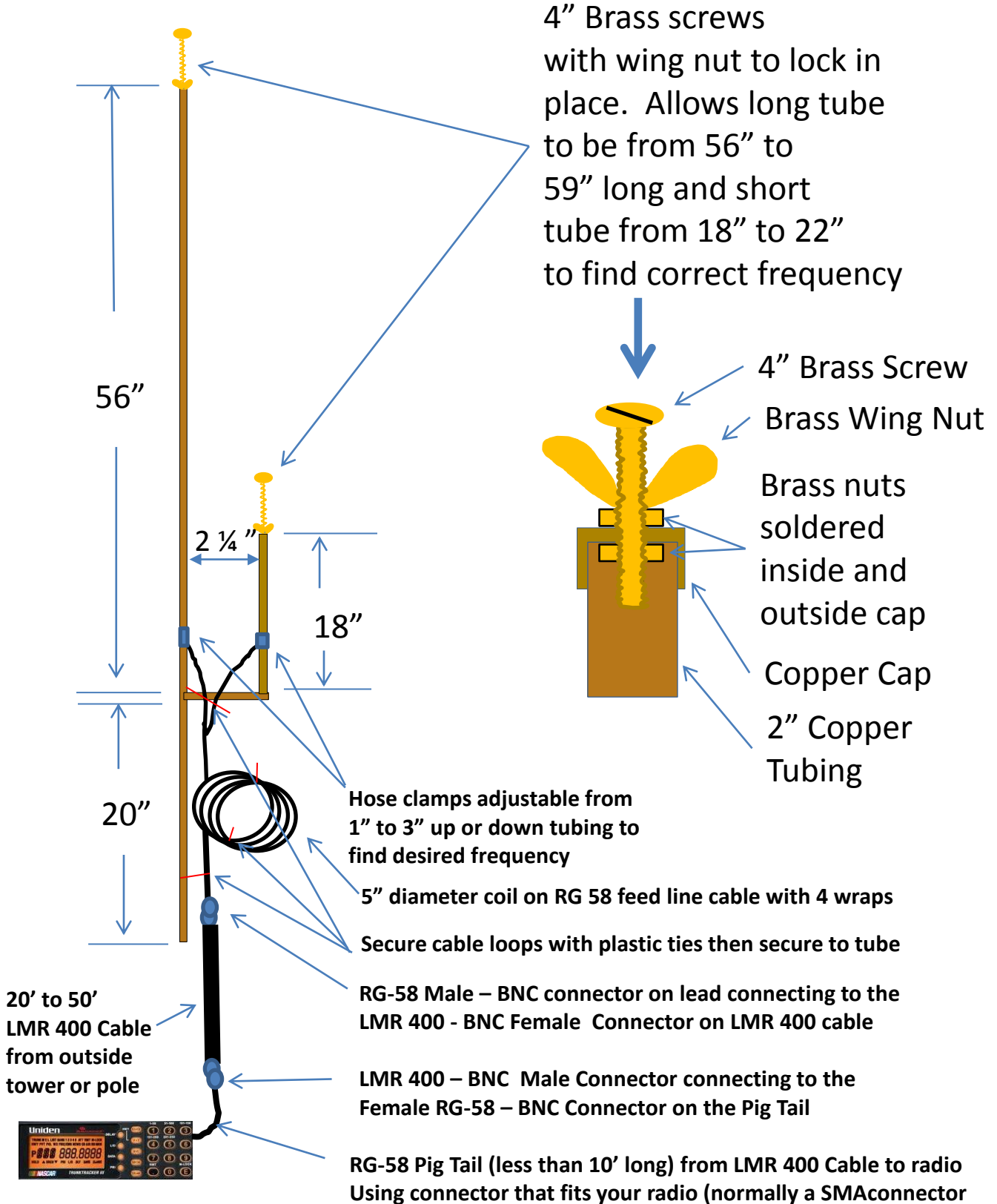
Adjustable length ½ inch copper tubing J-pole 2 Meter 144 to 148 Mhz Antenna

By Cordell Vail - KE7ZBQ

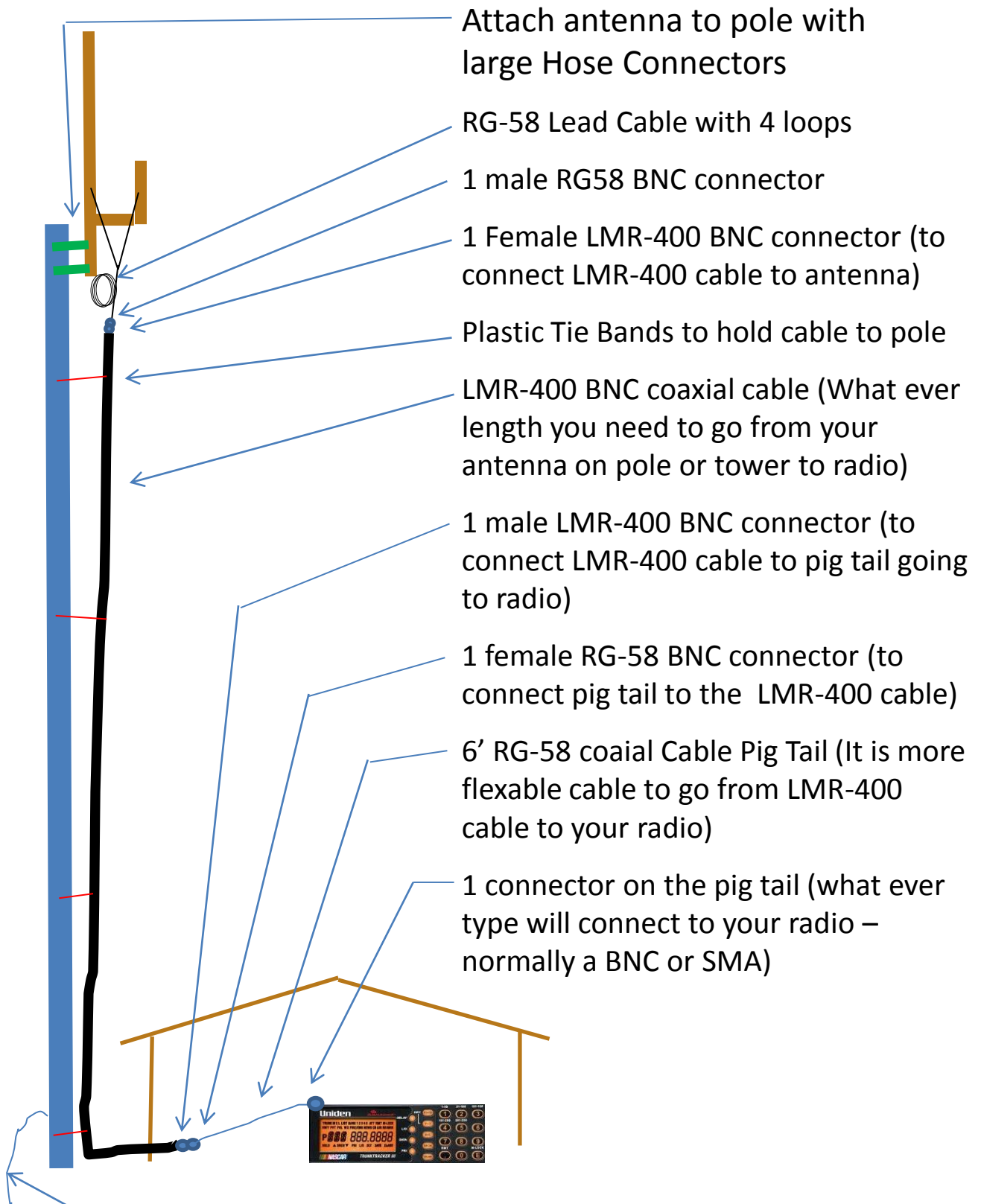
What you need to buy:

- 1 - 10 foot 2" copper tube
- 1 – ½" copper tube T-Joint
- 1 – ½" copper tube elbow
- 2 – ¼ x 4" brass bolts with nuts
- 2 – ¼ " brass wing nuts
- 6 – plastic tie bands (at least 4" long)
- 6' RG-58 coaxial cable (for antenna)
- 2 – Hose connectors (buy the size to fit your tower or pole)
- Electrical solder
- Plumbing solder
- Heat Seal Shrink tubing or spray to water proof connections
- 1 male RG58 BNC connector for antenna connection
- LMR-400 BNC coaxial cable (What ever length you need to go from your antenna on pole or tower to radio)
- 1 Female LMR-400 BNC connector (to connect LMR-400 cable to antenna)
- 1 male LMR-400 BNC connector (to connect LMR-400 cable to pig tail going to radio)
- 6' RG-58 coaxial cable pig tail (go from LMR-400 cable to your radio)
- 1 female RG-58 BNC connector (to connect pig tail to the LMR-400 cable)
- 1 male connector on the pig tail (what ever type will connect to your radio – normally a BNC or SMA)

Building the antenna



Connecting the Cables



Note: if you use a metal pole then use a ground wire too