This is a very easy and simple 2 meter/70cm vertical antenna. I built one of these myself and seems to work quit well. Just follow the instructions like on the diagram and swr's should be good. These are also cheap to make and was passed on to me from another ham and I thought I would pass it on to everyone else who would like to try it. 73s Steve KB9HGI

**The Copper Cactus J-Pole**

2 meter / 70 cm dual-band antenna

**Materials List**

- 10 ft section of 1/2" copper water pipe
- copper pipe "T" connector
- copper pipe 90° "Elbow" connector
- N, BNC, or SO-239 chassis mount with teflon dielectric
- 2-1/2" piece of no. 12 wire
- 1/8" self tapping screw or pop rivet

Screw or pop rivet, then solder flange to pipe

Solder wire to pipe

Wire should not touch pipe

Use to mount to mast or other structure
solder pipe together with propane torch after measuring carefully

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