

# **HFp** Dipole Antenna

## Notes and Comments

### **The HFp Dipole mounted vertically**

The HFp dipole can be set up as a vertical dipole, by using an appropriate support. I set up a bracket on my fence to hold a 16 foot 2x4 vertically. At the top end of the 2x4, I attached a 2x4 block, about four inches long, using four galvanized deck screws.



Then, I drilled a 7/8" hole through the junction of the two pieces of wood, taking care to try to make the hole at right angles to the edge of the 2x4. This 7/8" hole is just undersize for the wooden painter's extension pole which holds the HFp Dipole Center Insulator, and must be slightly enlarged in order for the pole to fit into it. I used a large rat-tail file to do this, but it was slow work. Be careful not to make the hole too large! You want the pole to be a snug fit when the block is screwed back on to the 2x4, in order to hold it tightly.



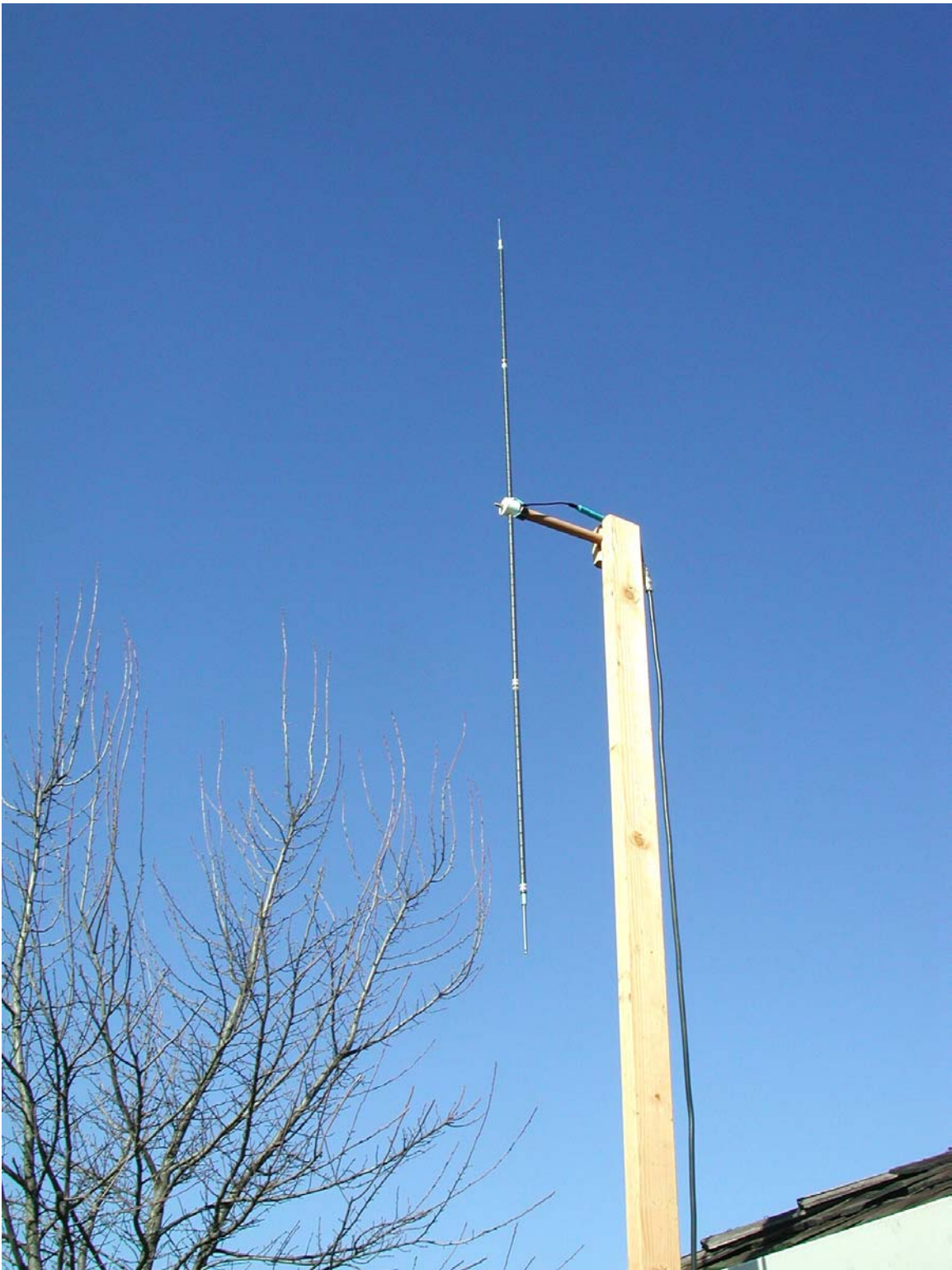
I used one section of a wooden, screw-together painter's pole to support the HFp Dipole Center Insulator.



I then removed the screwed-down block, placed the center insulator assembly in the groove, and screwed the block back in place. I installed one element on the insulator to establish alignment with the long dimension of the 2x4 before screwing the block down tight.



After that, I set up the dipole for my favorite band, and put it up on the fence. I had to take it down a couple of times to get the whips adjusted correctly for the best SWR.



The rest, as they say, is history.

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