

Cary Amateur Radio Club

October 25, 2018 Newsletter

Fox Hunting by the Numbers

- 1 Check that the frequency loaded into the HT is that of the Fox transmitter.
- 2 Holding the beam in a vertically polarized attitude, align the HT in your other hand parallel to the shaft of the yagi.
- 3 Sweep the beam left and right slowly to find the strongest signal (# of bars) and start walking in that direction
- 4 Halt when the Fox "beep" goes silent, and wait for its return in 15 seconds; adjust the attenuator if a strong signal is not found.
- 5 Resume sweeping for a strong signal, always moving in its direction. If you are within 300 yards, the signal strength increases by 10 dB each time you cut the distance in half.
- 6 While walking in a straight line, if signal suddenly weakens, you have passed the Fox. Sweep 360 degrees to find the signal again
- 7 When the Fox is found, bring it out into view and tell the next contestant to warm up while you hide it in another location.

Fox Hunt Saturday, Oct 27 10:00 At Ritter Park

Join us near the shelter Saturday morning to take Part in our first Club Fox Hunt. Two beams will be available for participants.



Load frequency, check bars for signal



Align HT with main shaft of beam



Sweep with beam in vertical attitude



Adjust attenuator if signal fluctuates

Want to build your own beam?

To assemble a yagi of your own, a kit can be assembled for about \$15 . Materials list offered free

Cary Amateur Radio Club

August 10, 2018 Newsletter

Assembling a Fox Hunt Beam, step by step

