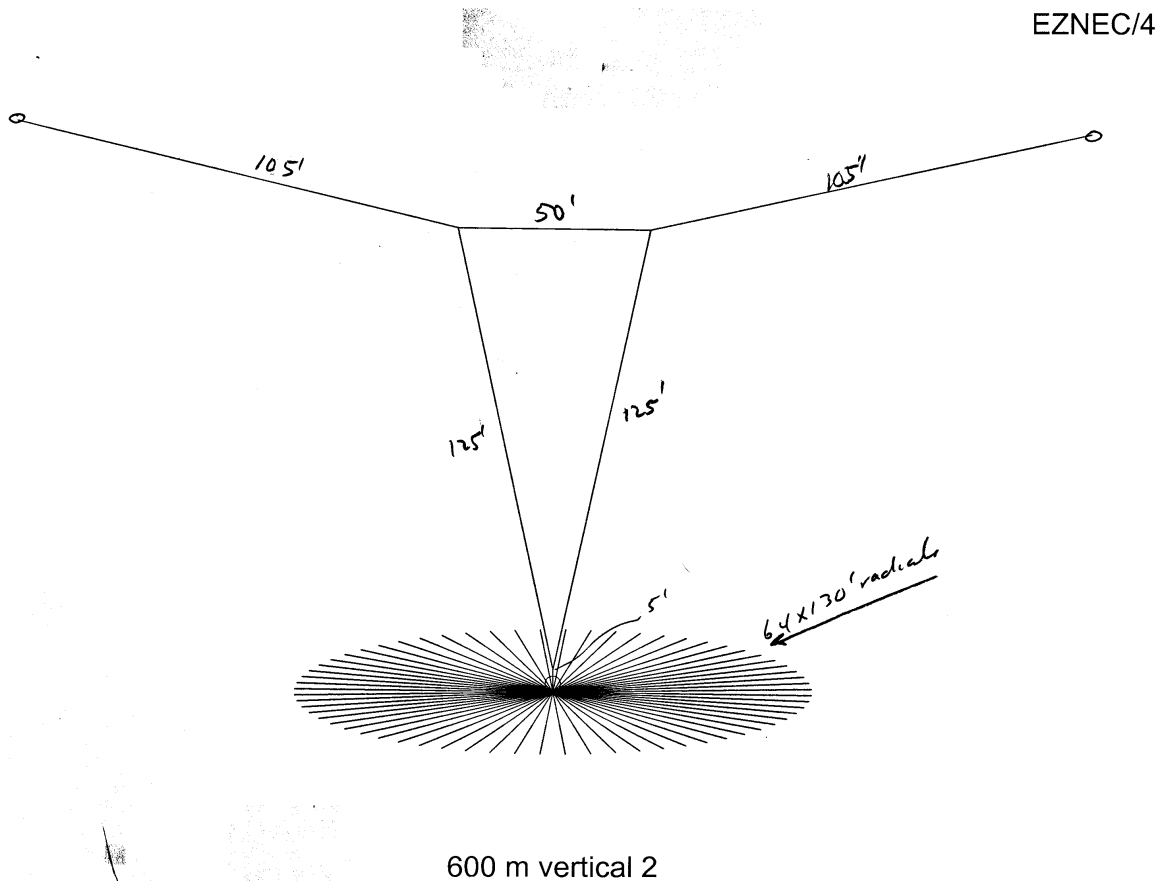


505-510 kHz station at WD2XSH/20 as of 1 October 2006

Rudy Severns, N6LF

Here is a sketch of the antenna:

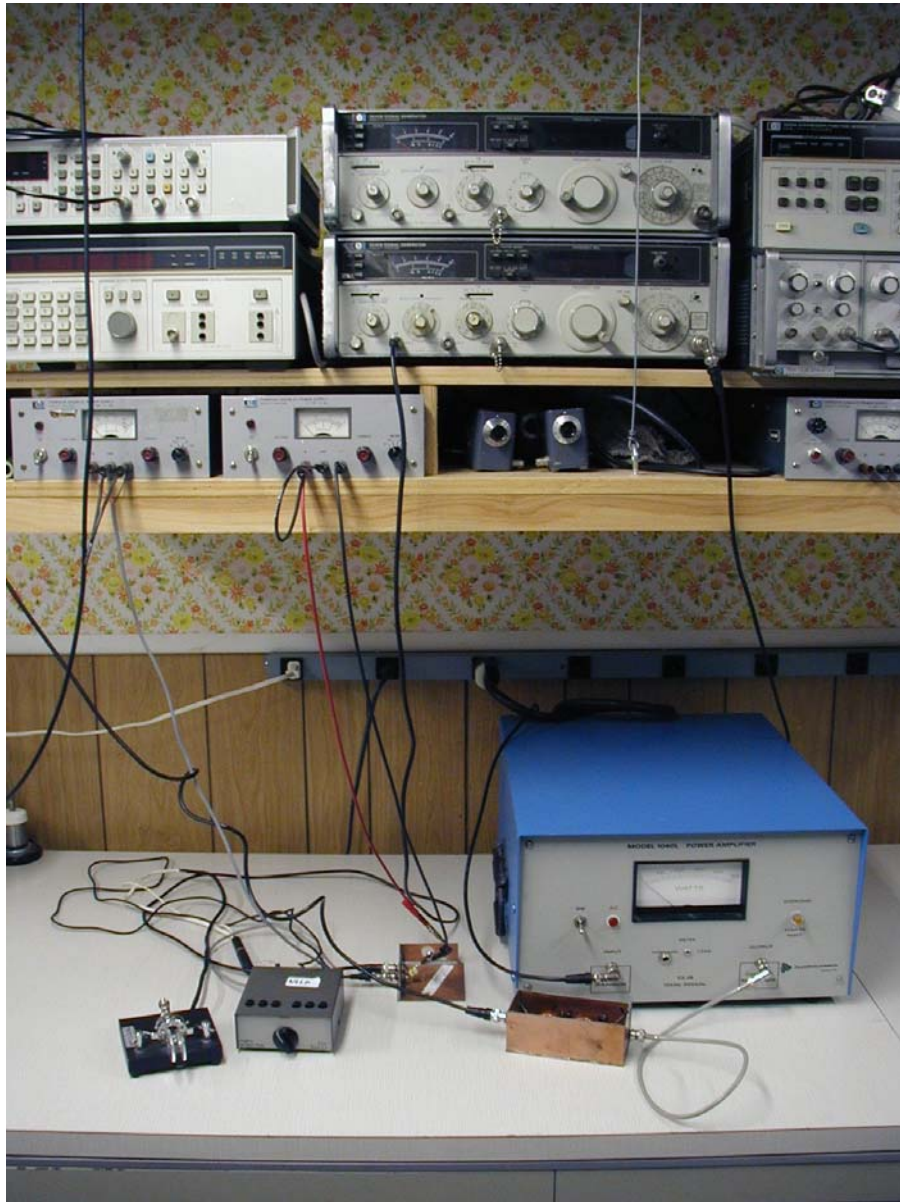


Here is a shot of the tuner at the base of the antenna:



The tuner is just a 90  $\mu\text{H}$  coil in series with the base of the antenna. One end of the coil is grounded and the other end connects to the antenna. Matching is accomplished by tapping up on the coil about three turns from the bottom. The coil is salvage from a BC transmitter and I'm only using the upper half of the coil.

Here is the station:



Left to right on the lower portion of the picture: key, keyer, buffer between keyer and signal generator to shape the rise and fall times of the keying, ENI 1040L power amplifier. On the shelf above the amplifier is the HP 8640B signal generator which is keyed via it's modulation input to drive the amplifier. Keyer can be used in the normal mode or in a beacon mode.