

Amateur Radio Direction Finding

ARDF

Fox Hunting

T-Hunts

Foxtailing

Foxtearing

Radio-Orienteering



Essentials For Fox Hunting



- Transmitter
- Antenna
- Receiver
- Attenuator
- (Map)
- (Compass)

Equipment - Transmitter

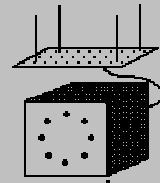
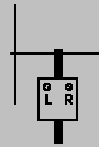
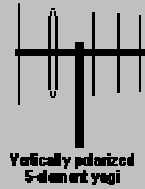
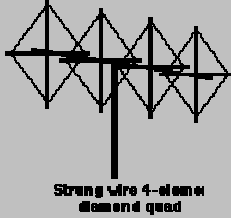


Milwaukee Style

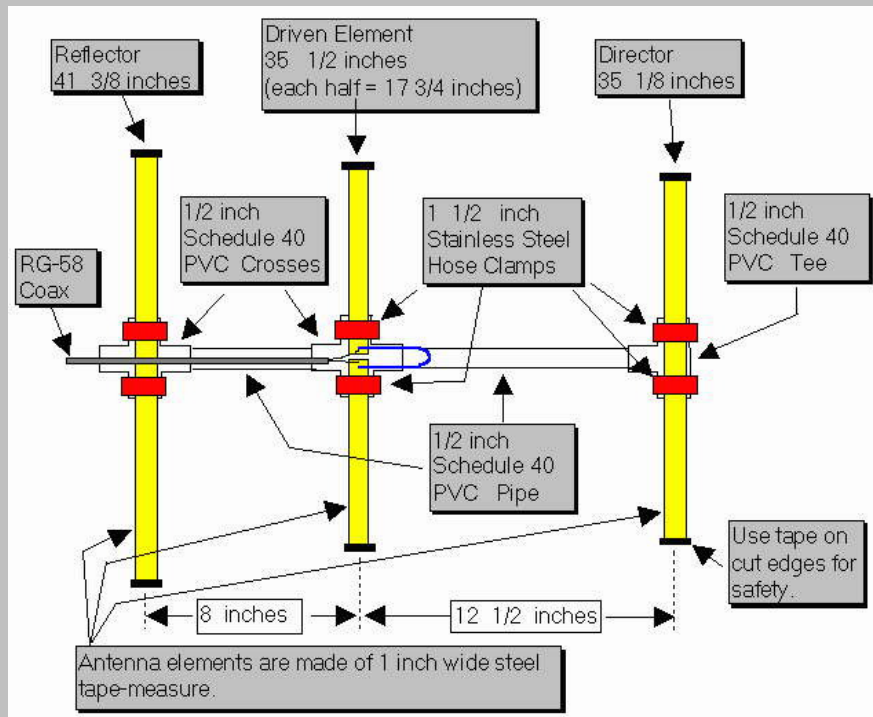


International Style

Equipment - Antenna



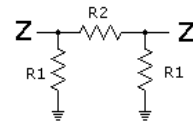
WB2HOL Tape Measure Antenna



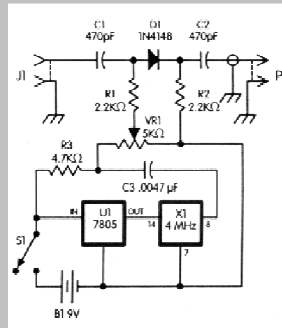
2M Equipment - Receiver

- Receiver with an S-meter is very helpful.
- Attenuation is a must
 - π network stepped attenuation
 - main frequency leakage into the receiver

π network attenuator



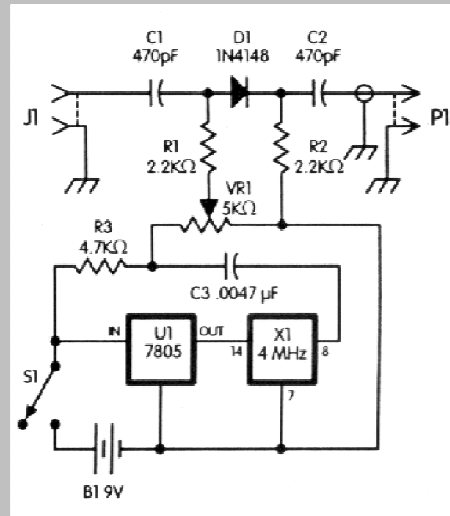
– Offset attenuators



K0OV Offset Attenuator

<http://www.west.net/~marvin/k0ov.htm>

Solves main frequency leakage into the receiver



Hunting Techniques

- 2M Hunting
 - Watch out for reflections
 - Take readings while on the move
 - Check 360 degrees
 - Go in a direction until the signal direction changes 90 degrees.
 - Keep moving until you overshoot the target

Milwaukee Fox Hunt Club

- Mainly during the summer
- Friday evenings or Saturday Mornings
- All on foot
- One or more transmitters on 2 meters

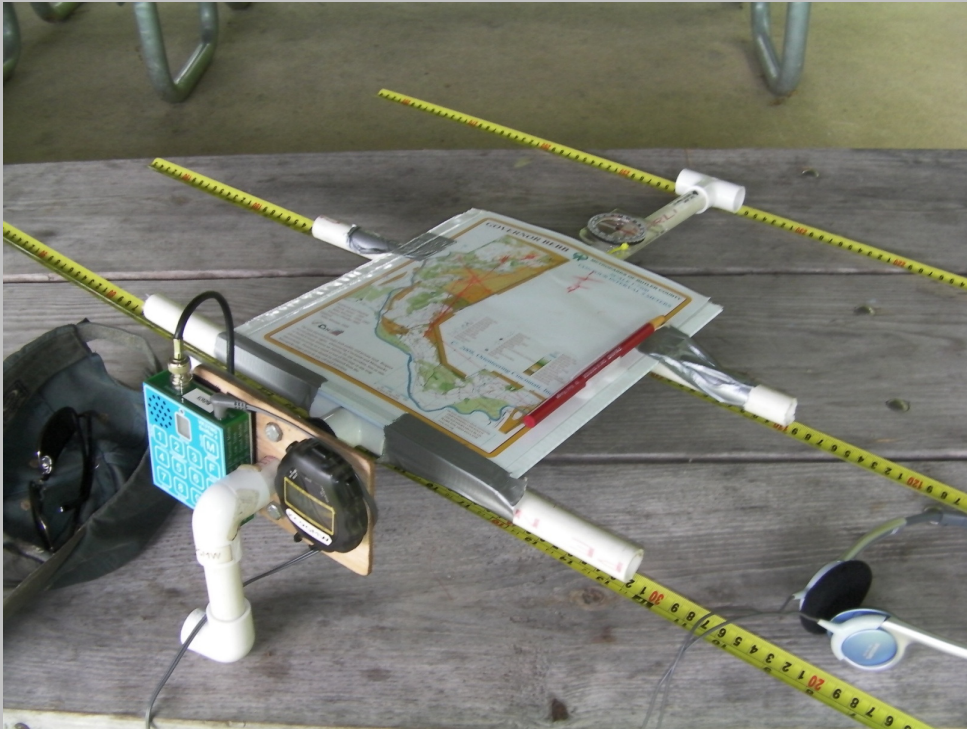
- Email notifications sent out about one week prior to each hunt
- Email: wb9odq@arrl.net for email list

ARDF Applications

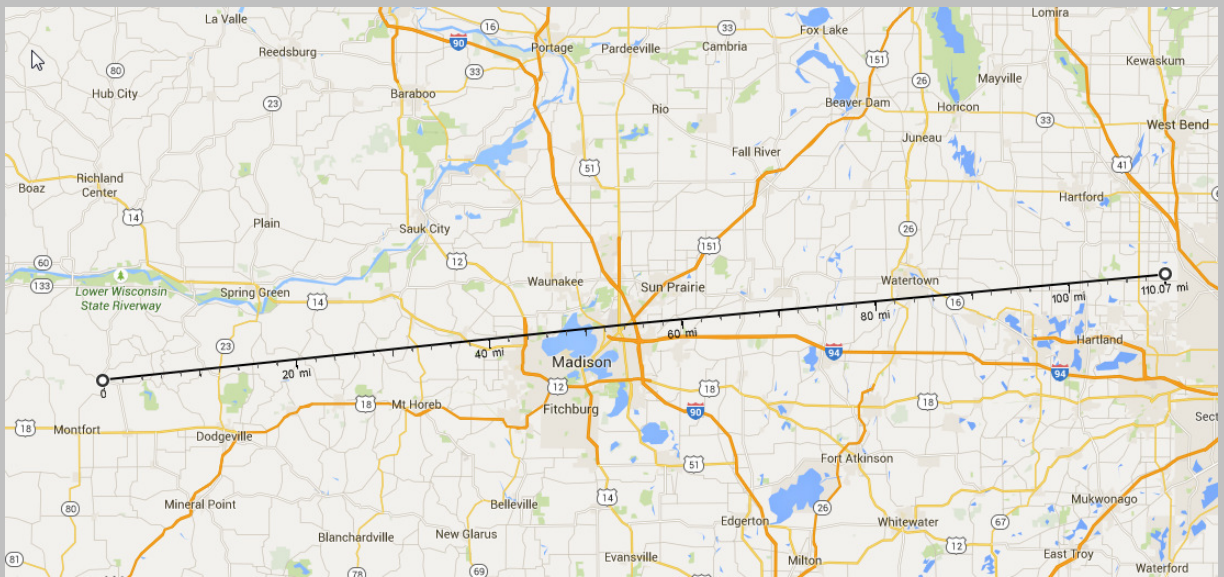
- Fox Hunting
- Locating interference
- Jammers
- Stuck transmitters
- Animal Research
- Search & Rescue
 - EPIRB



KC9GMW

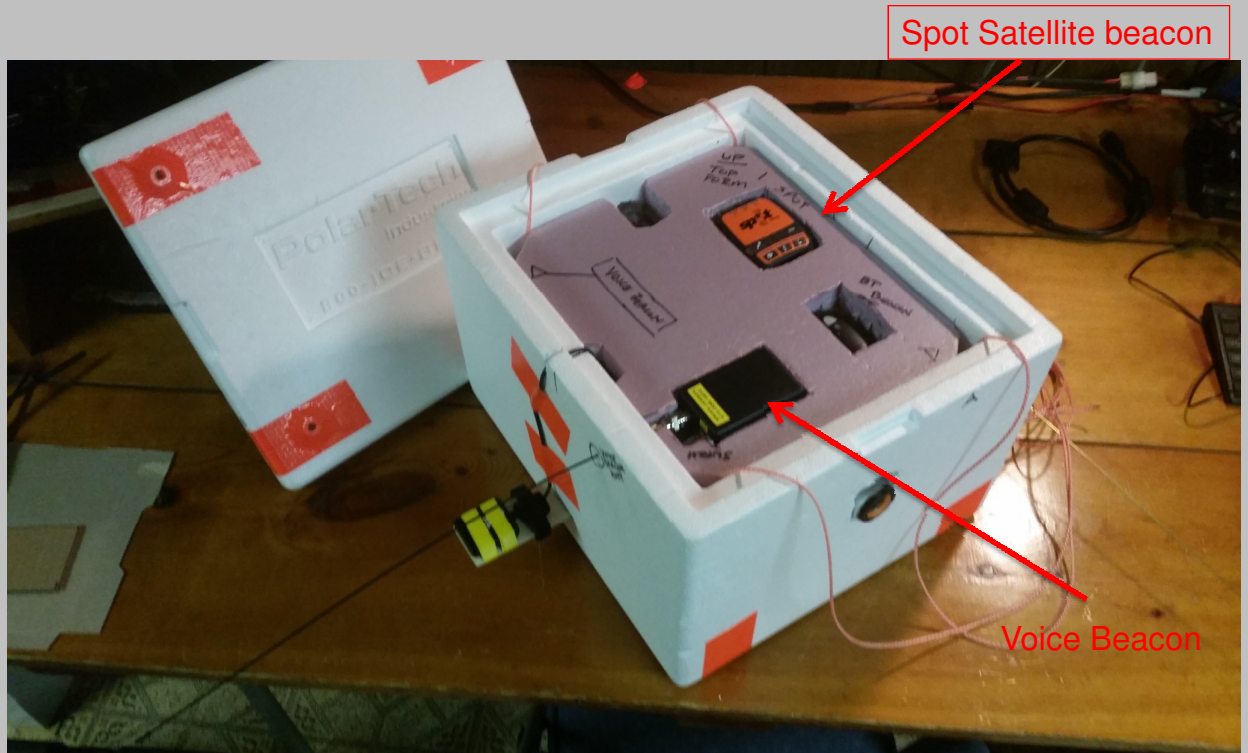


June 20 HAB Flight Joe – N9UX Dave – KB9UFO



Voice Beacon

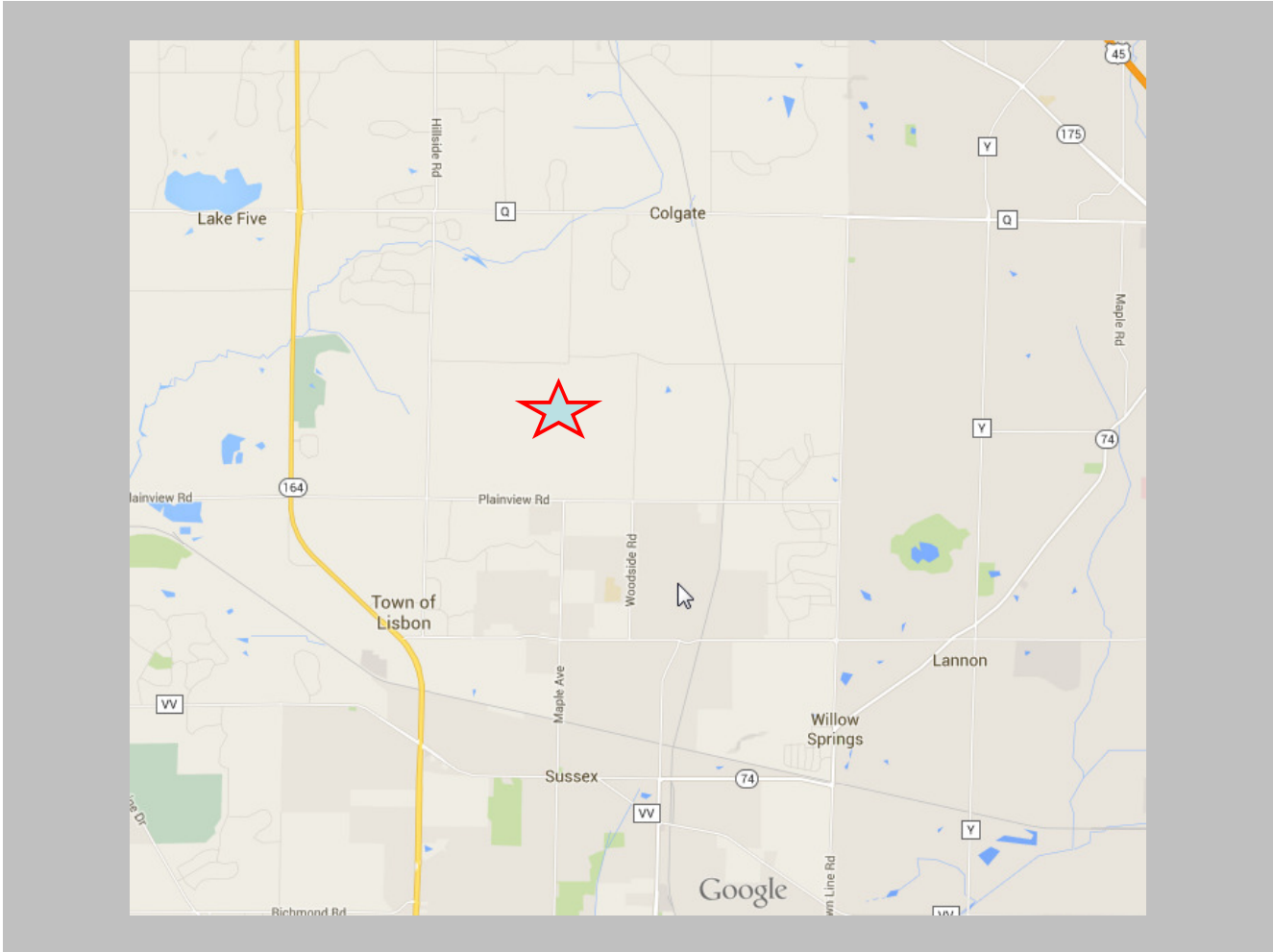
- 40 milliwatts
- Recorded message
- 60 second cycle
- Transmits time - 3 days
- Beacon Reports
- Final Mile tracking
- Antenna orientation
- “Squak Box”



Landing Site

Fairways of Woodside Golf Course





Golf Course











Questions?