

Why Radio Direction Finding/Fox Hunting?

- Gets you out of the house (hihi)
- Allows you to use spare/excess equipment
- Excellent skill to know in an emergency
 - Assisting with the location of a missing pilot, aircraft, or lost person.
- Non-Emergency Uses
 - Find "jammers" and sources of interference.

Equipment Lists (<http://www.aeinet.com/kd6dx/thunt/equipment/>)

Entry Level

- Receiver, 2-Meter HT (Handi-Talkie).
- Antenna adaptor or paper clip.
- Map of the transmitter hunt area. So you can move toward the transmitter and not get lost.

Advanced Level Equipment List

- 3 to 6 element Yagi or 2 to 4 element Quad for the 2-Meter band.
- Receiver, 2-Meter HT (Handi-Talkie).
- Attenuator, to reduce the radio signal so you can use your 'S-Meter' and locate the strongest direction.
- Magnetic Compass (Handheld).
- Protractor and Grease Pencil (Plot compass bearings).
- Maps (Auto club maps of the area you are hunting).
- Antenna adaptor or paper clip.

Hints and Tips

- No beam antenna? You can use an HT by using your body to block the radio signal of the fox. Hold the radio to your chest and rotate *slowly* in a circle. The point at which the S-Meter is the lowest tells you that the fox is *behind* you. This is called *body fading* the signal.
- Do you have an extra receiver with an S-Meter and built-in attenuator? Some handheld scanners have these features and would be great for foxhunting.
- When you get close to the fox, remove the antenna from your receiver and replace it with a paper clip or antenna adaptor to reduce the signal. You can then use body fade method to obtain bearings.
- Signal too strong on the primary frequency? Try these tips:
 - Listen 10 khz above or below the primary frequency.
 - Listen on the third harmonic of the primary frequency.
- Mount a mobile Radio in your car or just use your RECEIVER with a mag-mount antenna. You can use it as a distant U-R-Here radio. At S-1 your might be as far away as 10-miles, at half scale S-5 your getting closer maybe 4-miles and at full scale you are really close. You can then use a receiver & paper clip or receiver & attenuator to locate the fox.