



Cleveland Fox Hunt 7 Transmitters!



Memorial Day Weekend

Join in the hunt, bring the family, & connect with friends!

What is this? An entertaining hunt for transmitters (foxes) using radios, direction finding techniques, antennas & other stuff. Don't have experience....no worries, team up with someone. Anyone can participate, no Amateur Radio license required!

When & Where: Saturday May 25th, Cleveland, TN

Repeater: 146.925 MHz, Offset: -0.6 MHz, TN: 114.8: Clues and/or informational updates may be periodically provided, typically on the hour and half hour. Participants will also use the repeater to share their position & bearing information when collaboratively hunting to triangulate and ultimately locate the mobile transmitter "fox" truck.

Timeline (EDT), Locations & Other Details:

- **7:00 am:** Old Fort Restaurant, 1422 25th St NW, Cleveland, TN ([Link](#))
Meet to partner/team up with others, borrow equipment & enjoy a Dutch treat breakfast. Discuss ways to coordinate the collaborative triangulation efforts when hunting the mobile fox.


- **8:30 am:** Hunt Begins

Important: Safety first! Be courteous, follow the law & drive responsibly. No distractions, speeding or reckless behavior. Do not operate transmitter finding equipment while driving.

Either partner with another participant separating driving & transmitter roles or park in a safe location prior to using transmitter finding equipment.



Partner up! Have a designated driver.

- All transmitters are ≤ 1 W and TX for 25 seconds every 60 seconds. Foxes may be hunted in any order.
- **Six fox transmitters** will be placed in public areas within the 9 mi x 9 mi black outlined zone as shown on the hunt map ([interactive map](#), [low mag .pdf map](#)). The interactive map has pan & zoom capabilities with a choice of topo or satellite backgrounds. To print any view, select  menu, then print. These transmitters will be within a short walking distance (≤ 200 yds.) from areas where vehicles can be parked.

- **Photos:** I put a lot of effort into planning these events and often receive very few photos. Field photos allow me to enjoy vicariously, each hunter's experience and also enables sharing with others, the joy of the sport, hopefully getting even more folks involved. Please indulge me by taking individual/group selfies (ideally also showing equipment used), photos of other hunters, capture shots of your experience or some that just suit your fancy. *During the event, please text photos to Matt (KO4IYW) at (512) 695-9353 and include your first name and if applicable, call sign.* Thanks!



- **Punching In:** Once you've found a fox, use your smartphone camera to scan and launch the QR code, answer the questions and then select "Submit". When successful, you'll see the following: "Your response has been recorded". *Need help, contact Matt (KO4IYW) at (512) 695-9353.*



Transmitters can be on the ground, up in a tree or elsewhere.



Scan the QR code to practice "Punching In"



Punch-In placard example. Transmitter is in close proximity.

- **Transmitter Frequencies:**

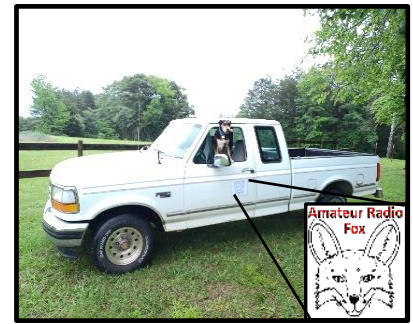
- Fox #1: 144.565 MHz
- Fox #2: 144.700 MHz
- Fox #3: 144.300 MHz
- Fox #4: 145.930 MHz
- Fox #5: 146.700 MHz
- Fox #6: 145.860 MHz

Team members may not physically separate to simultaneously hunt these transmitters.

**Getting frustrated finding a fox? We don't want that!
Contact Matt (KO4IYW), (512) 695-9353 & he'll share some clues.**

Timeline (EDT), Locations & Other Details (continued):

- **Mobile Fox:** Participants are encouraged to collaborate in triangulating / hunting this transmitter by sharing their position & bearing information via repeater until the white Ford F150 “fox” truck has been physically located. The truck, identified by fox placards on its sides & back window, will transmit and be periodically moved within the hunt zone, then be parked at each location for ~ 15 minutes. *If the “fox” truck is found while it is in transit, the pursuing driver is to signal with their horn twice in rapid succession so the “fox” truck can then be driven to the next safe parking location to confirm and then announce, via repeater, the find.* After a find, if time permits, the “fox” truck will be deployed again to enable another hunt opportunity.



“Fox” truck & placard

- **Mobile Fox Transmitter Frequency: 146.565 MHz**

This “fox” won’t transmit (TX) when the truck initially departs a restaurant or for a period of time after it’s been found. A repeater announcement will be made once a location has been identified and TX initiated.

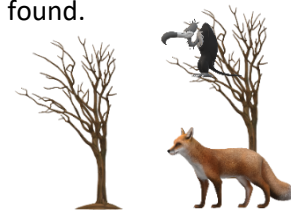
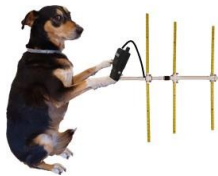
- **11:30 am Lunch Break: Rafael’s Italian Restaurant, 2324 Treasury Dr. SE, South Cleveland, TN** ([Link](#))

Enjoy great food (Dutch treat), comradery & exchange tall tales from the adventure. Lunch attendees will be eligible to receive giveaways and be asked to provide feedback along with suggestions for future hunts. Those that want to start or continue hunting afterwards can partner with others.

The restaurant is located near the South Cleveland Walmart

Note: The purpose of this event is to broaden / strengthen friendships and enjoy the outdoors while safely developing amateur radio direction finding (ARDF) skills and techniques. While there will likely be some good hearted bantering, this is not meant to be a serious competition and as such, many giveaways won’t be based on performance.

- **1:00 pm: Afternoon Hunt Begins.** If there are afternoon hunters, the six transmitting foxes will remain in place, the mobile “fox” truck redeployed and its transmitter started once a hiding spot is found.



- **4:00 pm: Cleveland Amateur Radio Clubhouse, 560 Johnson Blvd. SE, Cleveland, TN**

Gather to unwind, share stories and provide event feedback / recommendations. This time may be pulled in if the participant consensus is to end the hunt and meet earlier.



CARC Clubhouse

What should I bring, how can I prepare?

- Bring water, fill up the vehicle, and charge your batteries!
- Print out or download this flyer to your smartphone. Among other things, you’ll need it so you’ll have the transmitter frequencies on hand.
- Use the interactive map, print out different views or use the low mag .pdf along with Google Maps. Alternatively, grab a physical map of Cleveland.
- Have a compass? Pack it with weather appropriate clothing, bug spray and/or sunscreen. No compass? Consider using a smartphone app.
- If you have it, gather your Radio Direction Finding (RDF) Equipment: HT (handheld transceiver), portable antenna(s), navigation aids, attenuation gear, connectors, etc.
- Consider programming the repeater frequency into your transceiver/HT.

Caution: Don’t transmit using high SWR antennas or when RDF electronics are attached to your transceiver.

Don’t have this stuff: *Join us in the morning at the Old Fort Restaurant where you can team up with other participants and/or borrow gear (as available).*

Just want to learn about the sport & watch the confusion: *We love having spectators!*



Have questions now or need assistance prior or during the hunt?

Call Matt (KO4IYW) at (512) 695-9353