

# **St Louis and Suburban Radio Club**

## **Fox Hunt Rules and Guidelines**

Everyone is welcome! SLSRC Fox Hunt is open to all amateur radio operators in the community who want to have fun and follow the rules. Attention to safety is the most important rule. Be sure you are in a safe location before taking bearings to the fox. All hunt teams should be two to four members. At least one member in each team must hold a valid amateur radio license. The purpose of the hunt is to find the hidden transmitter (the Fox) with the least number of traveled miles and within the allotted time for the hunt. Starting odometer readings will be taken before the hunt begins. If an odometer doesn't have tenths of a mile reading, both the mileage and trip mileage should be recorded. All FCC regulations must be followed.

Starting Time: Saturday, April 17, 2010 – following the Mobile Antenna Installation Workshop arrive by 12:45 PM, Hunt starts at 1:00 PM ready or not! The hunt will be over at 2:30 PM unless the time is changed by the Fox. Odometer readings are a must. If no tenths of a mile on the odometer, record the trip and regular mileage.

Starting Point – Boys Hope Girls Hope Offices in Bridgeton (Cliff's Office where we have training activities and the annual Christmas party)

Frequencies: 146.565 MHz Primary, 146.410 MHz Alternate - both FM simplex. Power will start at 25 watts and decrease to 10 watts after 30 minutes then to 5 watts after another 30 minutes.

Some suggested equipment: 2-meter transceiver with a normal mobile antenna, direction finding antenna, St Louis County map, pen/pencils, compass, straight edge and anything else you can think of you may need.

Transmission Sequence: At 1:00 PM, the fox will begin transmitting for a period of 3 minutes. All hunters are expected to measure and plot their initial bearing during this 3 minute period. After that time, the fox will transmit every 3 minutes for 2 minutes.

If anyone has questions during the 3 minutes the fox is not transmitting, the fox will be monitoring the 146.850 (tone 141.3) repeater with 146.940 repeater as an alternate. All questions that are asked will be repeated and answered by the fox during the next 2 minute transmission period. This is to assure that all hunters receive the same information during the hunt.

Boundaries: The fox will be within 10 miles of the starting point (straight line distance) and within St Louis County

He will be located in plain sight in a public area. The fox may tease hunters by providing hints to his location. However, these hints should be given in a manner that all hunters will hear and understand equally. The fox should attempt to make a written log of hints provided.

At 2:30 AM the fox will give his location to all hunters not in yet.

Remember: The team that locates the fox within the time limit, while driving the shortest number of miles will be the winner. The winner will receive bragging rights and recognition at the next SLSRC meeting (maybe a modest prize depending on the budget).

## **Web pages to help you prepare for the fox hunt.**

Let's Go T-Hunting - <http://www.homingin.com/SCalStyle.html>

Amateur radio direction finding on Wikipedia - <http://en.wikipedia.org/wiki/Radio-O>

Pictures and descriptions of Radio Direction Finding and Transmitter Hunting equipment - [www.qsl.net/n6qab/](http://www.qsl.net/n6qab/)

Page with a good section on equipment - [http://utaharc.org/rptr/UARC\\_RDF1.html](http://utaharc.org/rptr/UARC_RDF1.html)