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Nothing But NE

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# What is a NET?

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- ❖ “An on-Air meeting of a group of radio amateur operators”
  - ❖ Scheduled net meetings for clubs. Used for common interests like W0TLM on Monday evenings.
  - ❖ Can be simplex or with repeaters
  - ❖ Formal for emergency or passing critical information
  - ❖ Disseminate “Traffic”



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# Format of a NET

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- ❖ Formal (Directed)
  - ❖ Has a single Net Control Station (NCS) that manages operation of the net for a given session.
    - ❖ The NCS Calls the net to order at a specific time
    - ❖ Periodically calls for participants to join
    - ❖ Listens for them to check in
    - ❖ Keeps track of the list of stations in order of check in
    - ❖ Generally orchestrates operation of the net
    - ❖ Communication is concise, accurate, efficient
    - ❖ Overall operation of NCS assignments and net sessions is managed by the Net Manager

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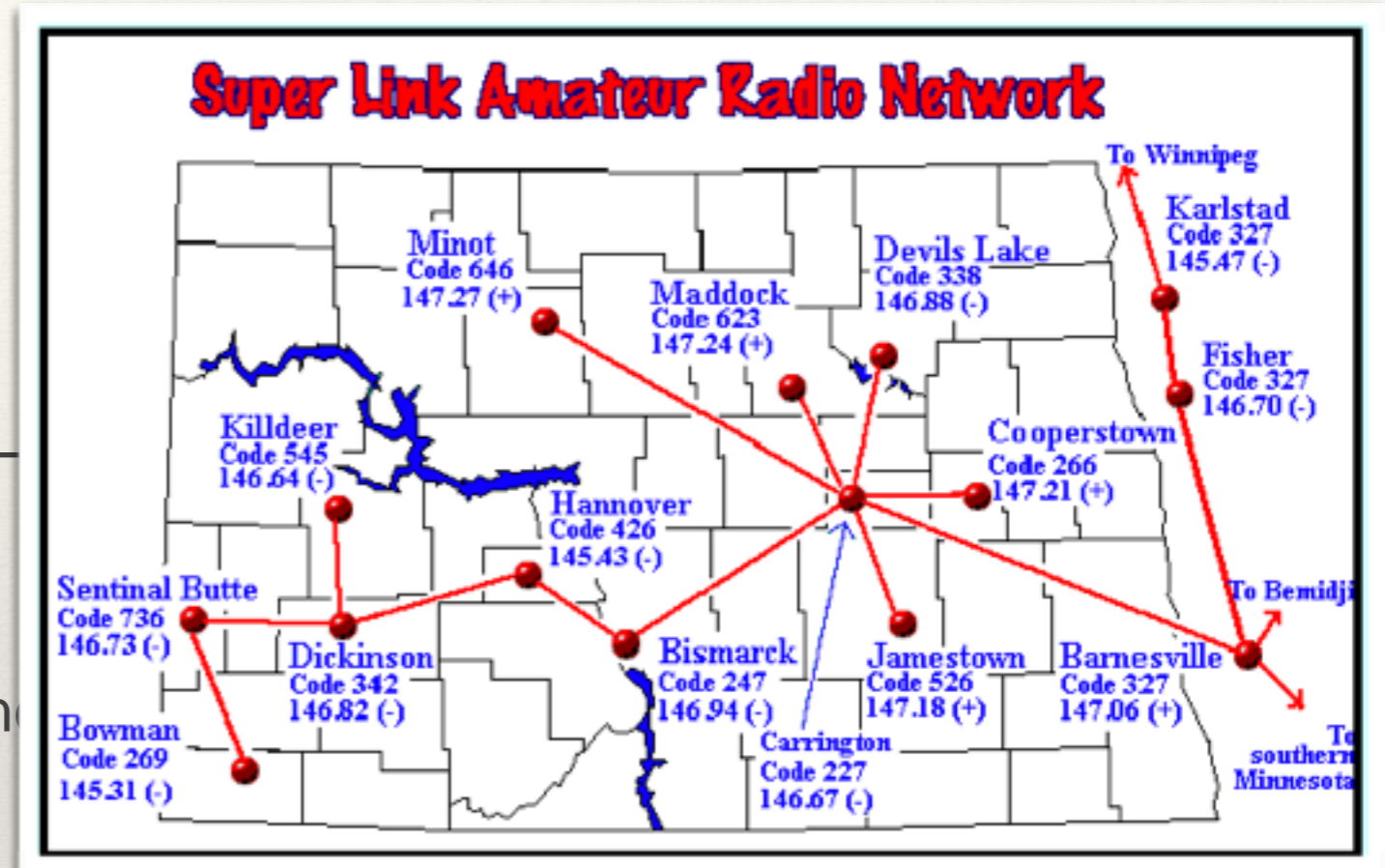
# Format of a NET

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- ❖ Informal (Open)
  - ❖ Lacks formalities and protocols of a directed net
  - ❖ Could still be at a designated time and frequency
  - ❖ Typically operates in an ad hoc fashion by whoever arrives first
  - ❖ Typical of club nets discussing equipment, events, club issues
  - ❖ Often a round robin approach or a topic of the evening is used
  - ❖ Communication is relaxed, friendly, easy, helpful
  - ❖ W0TLM operates in this way

# Types of NETS

- ❖ Traffic - Relay written messages
  - ❖ Radiograms
- ❖ Ragchew / Club Sponsored - aka W0TL
- ❖ ARES - Amateur Radio Emergency Services
- ❖ RACES - Radio Amateur Civil Emergency Service
- ❖ SKYWARN - Localized Severe Weather Spotting
- ❖ Tactical - July 4th, Pikes Peak Marathon
- ❖ Band Specific - HF - examples OMISS, Maritime Mobile Service



## Radio Amateur Civil Emergency Service



## RACES

### What Is RACES?

- ❖ Amateur stations support:
  - ❖ Emergency Management
  - ❖ Civil Defense Comms
- ❖ RACES defines the protocol created by the FCC and FEMA
- ❖ Licensed amateurs must be certified by a civil defense agency
  - ❖ Sheriff's Ofc, Fire Department, Wildfire Mgmt, Floods, Health Dept.
- ❖ May be activated in case of drills, exercises or emergencies



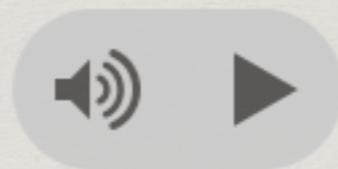
- ❖ Volunteer Amateurs who volunteer services to ARES
- ❖ Requires registering equipment and qualifications with local ARES organization which determines training
- ❖ Supports Comms during disasters and as a public service
- ❖ Pikes Peak Areas Net - 146.97 MHz, Tuesdays at 1900 hrs.
- ❖ Recorded audio of last weeks net

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# Pikes Peak ARES Net Audio

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- ❖ Audio from the ARES Net on April 14, 2015









- ❖ Established by NOAA's NWS
- ❖ 290,000 trained weather spotters
- ❖ Regular training ahead of severe weather season
- ❖ Timely and accurate reports on severe weather
  - ❖ tornados, hurricanes, floods, severe thunderstorms, hail, ...
- ❖ HAM radio operators used for spotting as well as communication if systems are down or overloaded
- ❖ Networks all across the US

# An HF NET - OMISS



[Net Control Guidelines](#)  


Old Man International Sideband Society

OMISS Quick Search

Enter an OM # or a Callsign

Search this Site

Search

OMISS News Ticker


Mailing List  
(Reflector) FAQ

[click here...](#)

## Welcome to the OMISS Homepage!

Here you can find everything you need to know to get the most enjoyment out of OMISS. You can find answers to questions about Membership, Awards, Contests, and many other topics. We hope you will find this site useful, and that it will help you learn more about OMISS and who we are. Most of all, we hope it will help you have MORE FUN on the OMISS Nets!

ON THE AIR



*One or more OMISS Nets are active right now...*

### OMISS 101

OMISS, or "Old Man International Sideband Society," has been operating list-type awards nets on the General Amateur bands since 1981. Want to get your WAS quickly? This is a great place to get it done. Do you like to work lots of stations for unique awards? We have several challenging awards to work for, each with an attractive certificate to hang on your wall. Do you like contesting? We hold an annual QSO Party and invite the whole Amateur community. More information is available in our information brochure (see link on the left).

### Meet our Newest Members:

DOUGLAS, KN6YC #9992

### Latest News Headlines

Select a News Source:

[Display NCS Schedule](#)

OMISS OPERATES ON THE FOLLOWING FREQUENCIES AND TIMES,  
PLUS OR MINUS QRM AND PROPAGATION:

Band	Net Time & Frequency	Day	Net Coordinator
160m	0400z ---> 1.930 MHz (+/- 7 kHz)	Sat & Sun * **	<a href="#">K9WVL</a> , TIM, #8881
80m	0200z ---> 3.825 MHz (+/- 15 kHz)	Daily	<a href="#">KE5WDI</a> , DANNY, #6421
80m Late	0500z ---> 3.825 MHz (+/- 15 kHz)	Sat & Sun * **	<a href="#">KE5WDI</a> , DANNY, #6421
40m	0100z ---> 7.185 MHz (+/- 7 kHz)	Daily	<a href="#">W9FML</a> , CARRIE, #8420
40m Late	0400z ---> 7.185 MHz (+/- 7 kHz)	Sat & Sun *	<a href="#">W9FML</a> , CARRIE, #8420
20m	1830z ---> 14.290 MHz (+/- 7 kHz)	Daily	<a href="#">KT7E</a> , JOE, #6282
17m	1900z ---> 18.158 MHz (+/- 7 kHz)	Sat & Sun *	<a href="#">K9WVL</a> , TIM, #8881
15m	1700z ---> 21.395 MHz (+/- 7 kHz)	Sat & Sun *	<a href="#">W7WSB</a> , WILLIAM, #8513
10m	1800z ---> 28.665 MHz (+/- 7 kHz)	Sat & Sun *	<a href="#">WB6RAB</a> , DAVID, #7380

\* And Monday if it is a Legal Holiday, plus New Years Day, 4th of July, Veteran's Day, Thanksgiving, and Christmas.

\*\* The Winter schedule will begin the last week-end in October and complete the 1st week-end in April.

Days and times are in UTC. Nets that are Friday night local are displayed as Sat UTC.

Net Control Stations Needed! Please contact [KD0TXH](#), DAVE, #8641 if you can help out once in a while or regularly.

[Display 2015 Holiday Schedule](#)

Stay Connected

# Amateur Radio RACES “Go Box”

***KF9ZA***  
***Amateur Radio***  
***“Go Box”***

Base® Authorized Dealer  
Let our knowledgeable experts help find the Base® products you want  
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# Why Use a NET?

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- ❖ Informal discussion
- ❖ Formal - To communicate important information
- ❖ Disaster communication such as a Radiogram
- ❖ Support of community activities such as a Tactical Net for the Monument July 4th parade - Volunteers Needed for 2015!
- ❖ Example of a Tactical Net - Stu

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# NET's in the Pikes Peak Region

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- ❖ Southern Colorado Traffic Net - 146.97 daily, 2000 local
- ❖ Pikes Peak ARES Net - 146.97, Tuesday's, 1900 local
- ❖ Colorado Connection net - 145.13 MHz, Thursday's, 2000 local

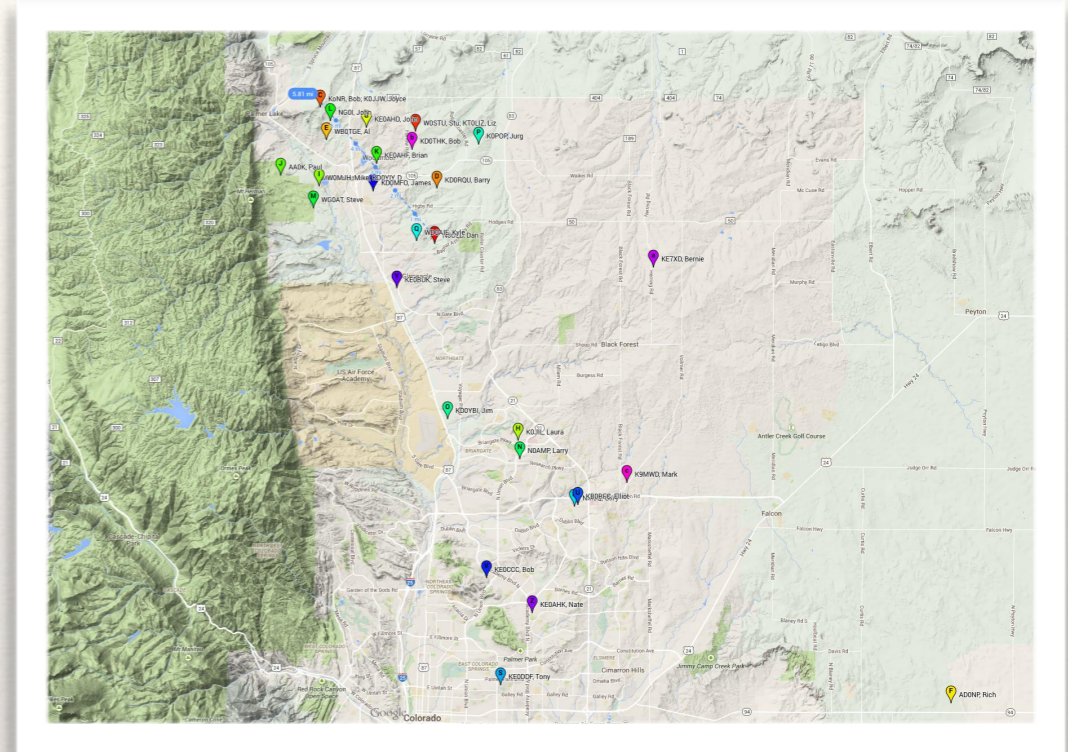
# Operating a NET

- ❖ NET Control Station (NCS) Role and Responsibilities
  - ❖ Use a Script to ensure consistency of operation
  - ❖ Logging each contact name and call sign
  - ❖ Polling each member after initial contact
  - ❖ Periodically requesting other checkin's
- ❖ Good Practices
  - ❖ Be concise when speaking
  - ❖ Be accurate
  - ❖ Use Standard ITU (International Telegraph Union) phonetics
  - ❖ Common jargon - ending communication with: call sign, Back to net
  - ❖ Follow instructions
- ❖ Managing NET Traffic
  - ❖ Priority or emergency
  - ❖ Specific Topic Discussion



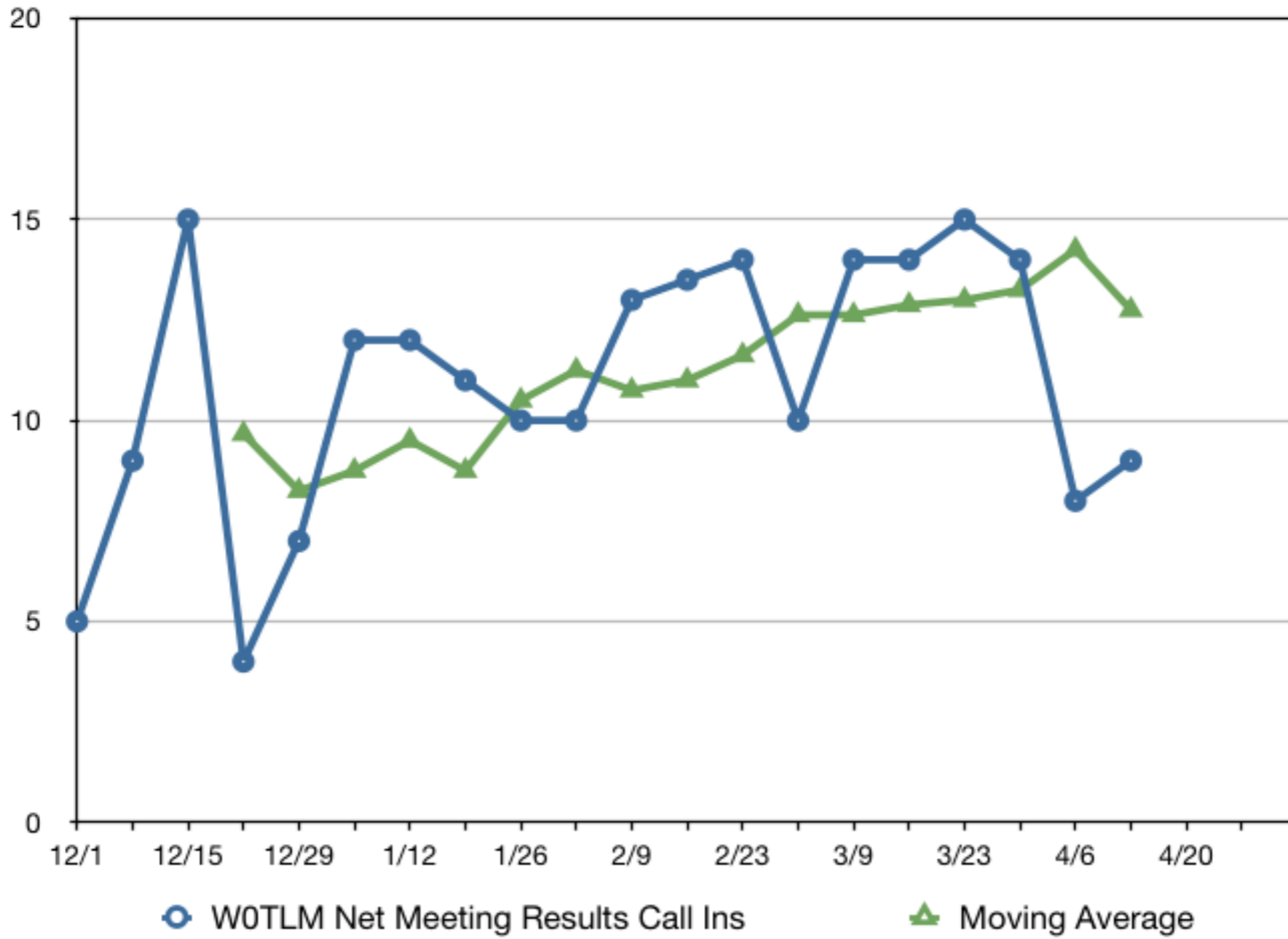
# About the W0TLM NET

- ❖ Using the K0NR Repeater
- ❖ Script
- ❖ Simplex Net - Developing
  - ❖ Mapping Key Stations
  - ❖ Relaying to / from weaker stations
- ❖ Net Control Station - Becoming an operator
  - ❖ Highly encouraged
  - ❖ Fun
  - ❖ Safe environment to practice radio and net operation





# W0TLM Net Activity



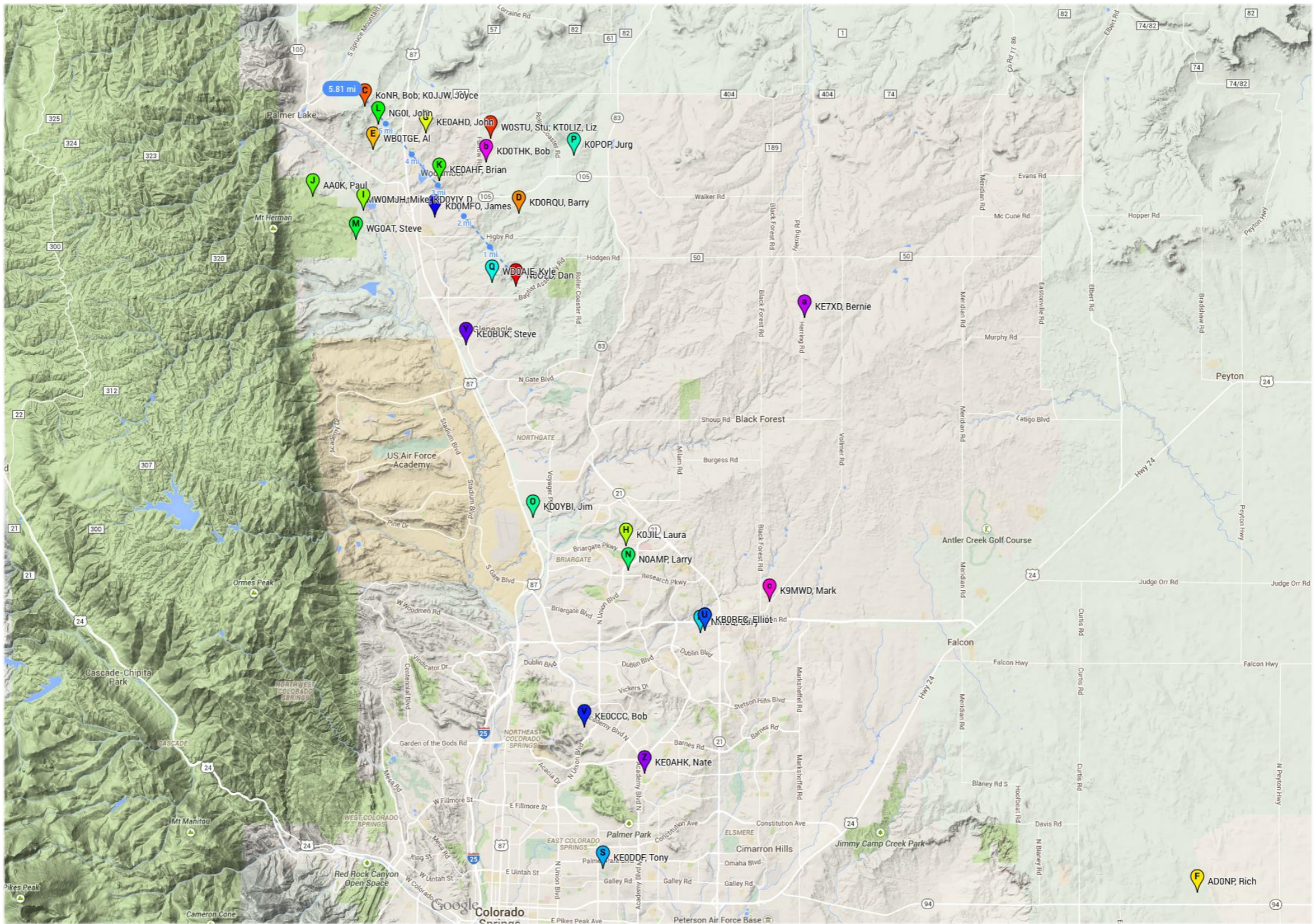
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# WOTLM Net Discussion Topics

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- ❖ What HAM projects do you have planned?
- ❖ How do you do things?
- ❖ Probability of Power Grid blackouts? How are you preparing?
- ❖ What emergency HAM equipment do you have?
- ❖ General Emergency preparations?
- ❖ What hobby or skill outside HAM helps you the most with HAM?
- ❖ What other hobbies do you enjoy?
- ❖ What was your best HAM memory of 2014?

# WOTLM Net Map



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# WOTLM Net Script (Abbreviated)

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- ❖ Calling the TRI-LAKES Net, Calling the TRI-LAKES Net
- ❖ This is (Dan, N0OLD), Net Control Station
- ❖ Meets Every Monday at 19:30 hours
- ❖ Meeting place for TRI-LAKES Monument Radio Association
- ❖ ALL radio amateurs are welcome to check in
- ❖ K0NR Repeater - 447.725 MHz, -5 MHz offset, 100 Hz CTCSS required.
- ❖ If a Repeater failure, meet at 446.100 MHz Simplex
- ❖ Checking in - SLOWLY give call sign, your name, and if traffic
- ❖ Check for EMERGENCY or PRIORITY Traffic
- ❖ Take check-ins from all stations
- ❖ Welcome and encourage First Timers
- ❖ Good practice - when done speaking - say call sign then “back to net”
- ❖ Question of the night or a Round Robin format
- ❖ Any late Check-ins?
- ❖ Thanks for the discussion
- ❖ Thank to Bob Witte, K0NR for using his repeater
- ❖ Return frequency back to normal amateur radio use.

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# Become a Net Control Station

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- ❖ Highly encouraged
- ❖ Fun to get on the radio
- ❖ Great time to practice with a very friendly group
- ❖ Helps prepare for operating on a net in an emergency or for a tactical operation
- ❖ Easy to do - just follow then script.

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# W0TLM Net Control Stations - Year to date

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Laura, K0JIL  
Mike, W0MJH  
Bob, K0NR  
Al, W0TGE  
John, NG0I  
Brian, KE0AHF  
John, KE0AHD  
Robert, KD0YMC  
Dan, N0OLD

Special Thanks to all who have been a NCS!



# Questions?

