

The World Championship of Ham Radio is coming to New England!

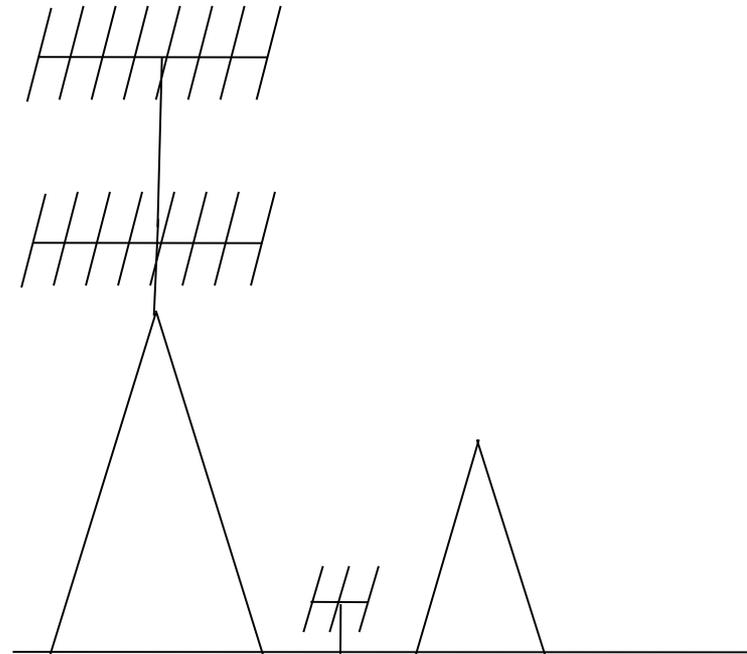
Dave Pascoe KM3T
Director, WRTC2014, Inc.

Contesting, or “Radiosport”

- Competition to see who can contact the most stations in the most countries/states in 24/48 hours
- Most hams know about Field Day
- There are lots of other contests during the year

How do we compare results between stations?

- A station on a hilltop will have a louder signal than a station in a valley
- A station with a big antenna will have a louder signal than a station with a smaller antenna
- DX stations in rare countries attract more callers than stations in non-rare countries



What if....

- All operators were in the same geographic region on flat ground?
- All operators had identical antennas?
- All operators used 100-Watt transmitters?
- All operators had a referee looking over their shoulder?

This is what WRTC does!



Summary of video

- WRTC is an “Olympic-style”, every-4-years, ham radio world championship
- All two-operator teams get identical antennas and are in the same area
- Operating skill and strategy will determine the winning team
- Hosting rights for WRTC2014 awarded to New England

Who are the organizers?

- A private group of enthusiastic operators
- Most have experience in previous WRTC events
 - Operators, Referees, Judges
- WRTC2014, Inc. is an independent 501(c)(3) non-profit organized in NH
- 100% funded by contributions

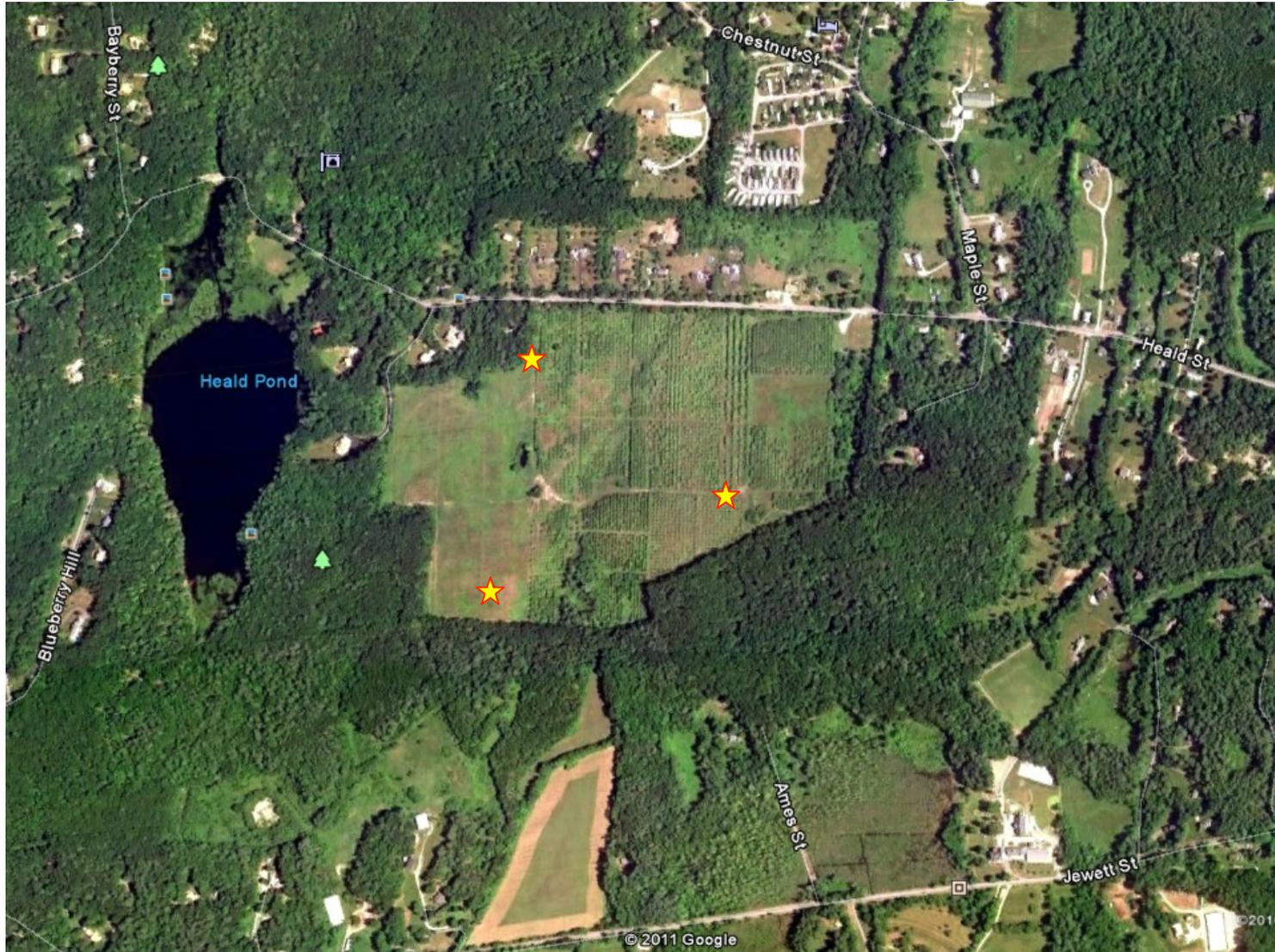
Where will the event be held?



- We will assemble 65 identical stations in the area (59 needed, 6 spares)
- Plan is “clusters” of 5-10 “Field-Day-style” stations, separated by 500 meters, with clusters as close together as possible (simplifies logistics)
- Each station will be supplied with:
 - Tent
 - Triband Yagi
 - Tables & chairs
 - Generator
 - 40-foot tower
 - Dipoles for 40, 80
- Each team brings own radios, computers, etc.

Pepperell MA site

(stations spaced 500 meters apart)



Group of stations



**Management tent
(first aid, PR, etc.)**



500 yards min



A group of 6 stations needs about 200 acres

Typical Site (Russia 2010)



Other local sites being pursued

- Town/county/state parks, recreation/conservation land
- Privately-owned orchards
- Decommissioned military bases
 - Moore Army Air Field, Ayer
 - Devens
 - Brunswick, ME Naval Air Station
- Other local club Field Day sites in New England
 - W1BIM Spencer site not big enough for >2 stations
- (your suggestions here)

For each station we need volunteers to...

- Build and raise antennas
 - Competitors not allowed to touch antennas
- Provide support & security for the team
 - Food/water
 - Generator refueling if needed
 - Stations will be set up Friday, contest starts Saturday morning
 - Answer questions from visitors, press



Site Testing – 2012/2013



- We will set up 1 station at each site for testing during IARU Contest in July 2012 and July 2013 using the Official antenna
- Signal reports from the Reverse Beacon Network (RBN) will be used to help verify that the sites perform equally well
- Logs from the testing will be made public so competitors can review band strategy
- Sites that are “too loud” or “too weak” or that have line noise will not be used

Schedule for 2014 Event

Tuesday/Wednesday



- Teams and referees arrive
- Meetings to review rules, last-minute issues
- Social gatherings, tours
- Operate HQ station to learn W1 propagation

Schedule for 2014 Event

Wednesday/Thursday

- Antenna/tent installation



Schedule for 2014 Event

Thursday

- Thursday afternoon/evening:
Olympic-style opening ceremony



Schedule for 2014 Event

Friday

- Teams draw sites, callsigns, referees
- Teams travel to sites, install and test equipment/antennas



Schedule for 2014 Event

Saturday - Sunday

- Competition begins 8 AM Saturday, ends 8 AM Sunday
- Score updates reported on Web in real-time
- Stations dismantled and gone by Sunday afternoon



Schedule for 2014 Event

Sunday - Monday

- Sunday (all day/night):
Log-checking to determine winning teams
- Monday: Closing ceremony, presentation of medals



Why should I or my club get involved?



- Meet the best operators from around the world
- Learn best operating practices
- Give and receive the unique international goodwill amateurs enjoy
- Great PR opportunity for ham radio in general
- Get the Scouts involved (we can run Radio Merit Badge classes)

Other benefits

- Participating clubs may purchase the station equipment at a significant discount
 - Honda generators, Yaesu rotators, Rohn tower
- Clubs hosting the three highest-scoring teams will be awarded gold, silver, and bronze medals
- Volunteers can participate in all activities
 - Opening/closing ceremonies
 - Tours (W1AW, Red Sox game, LL Bean, HRO, Freedom Trail)
 - VEC Sessions

Resources

- www.wrtc2014.org for info on WRTC2014
- www.wrtc.info unofficial site for WRTC history



WRTC 2014 – New England



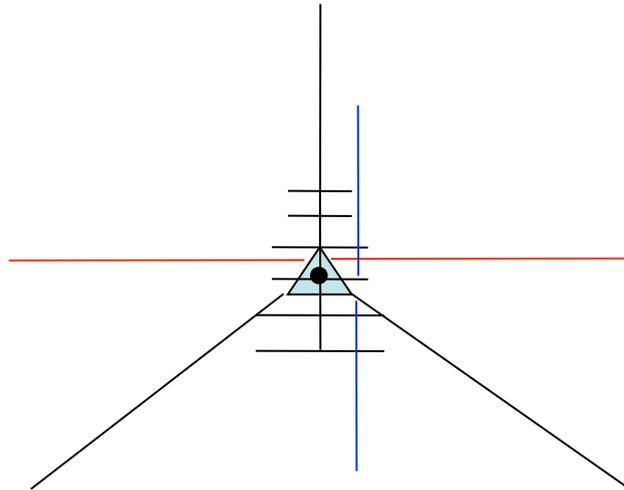
- WRTC returns to USA for first time since 1996
- Global Reach
 - 59 two-operator all star teams
 - 3+ years of qualifying events
- True Radio Sport
 - Equal antennas, power, and geography
 - On site judging
- International Goodwill
 - Opportunity for competitors, referees, and visitors to make and renew friendships



Additional slides

Typical Station Setup

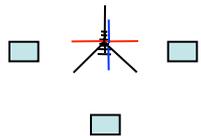
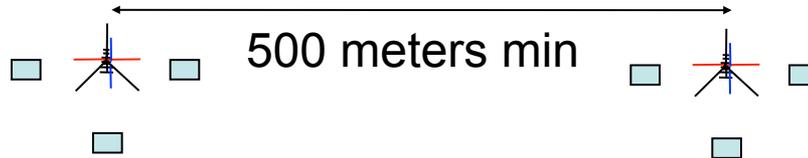
Support
Team Tent



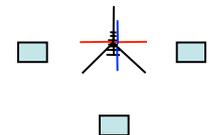
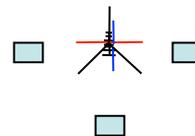
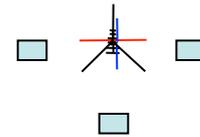
Generator,
latrine

Competing
Team Tent

Cluster of 6 stations



“Cluster HQ”
(first aid, PR, etc.)



A cluster of 6 stations needs about 100 acres