



ARES Meeting Agenda - 10/18/23

- Welcome to Our Guests
- New Members
- Training
- QRZ.com – Sign up
- Did you Feel It – Earthquake Drill
- Area Repeater & Simplex Testing Net
- Infrastructure Activities
- Winlink News
- NVIS Testing on 80 Meters
- National Traffic System
- ARES Net Reminders



Welcome to our Guests

- Thanks for joining us tonight
- ARES - Amateur Radio Emergency Service
- For those new to ARES, we do 3 major things:
 - Severe Weather – Storm Spotting
 - Communications Support for Community Events
 - Emergency Communications for Served Agencies
- Major Tools that we utilize:
 - Ham Radios, typically VHF and/or HF gear, including Go-Kits
 - Winlink Express software for over-the-radio email messages
 - Internet Email and text messaging for inter-team communications
- Training – much more to ARES than holding a mic and talking



New Members

- We have two new members
- Jake Walters, K9WFT
- Mark Gebhardt, K9ZQ
- Our Roster now stands at 31 members
- A copy of the roster was emailed on Oct 15
- Be sure to enter these members into the contacts on your smartphone



Training Documentation

- Now at 13 of 31 ARES members who have submitted a training record
- This record can be in either one of two methods:
 - Training Documentation Fillable Form (our website)
 - Via an ARRL Taskbook



Training Resources

- Training Documentation Form
 - Also on our website – on the “Training” Tab
 - <https://www.peoriacountyares.org/wp-content/uploads/2023/01/Training-Documentation-Fillable-Form.pdf>
- How to get a FEMA Student ID (SID)
 - Go to <https://cdp.dhs.gov/femasid>
- FEMA Training for IS 100, 200, 700, & 800
 - Go to <https://training.fema.gov>
- More details in our 07-20-2022 Meeting slides
 - <https://www.peoriacountyares.org/wp-content/uploads/2022/07/ARES-Meeting-07-20-2022.pdf>



QRZ.com Sign Up

- If you would like to be contacted via email by other ham operators, one safe way to post your email address is via QRZ.com
- If you create an account, you can enter your email address. This can only be seen by others who have an account on QRZ.com.
- Consider doing this so others can find your email address



Did You Feel It/Shakeout Exercise

- You may have heard about the Earthquake Drill that is being held Thursday, October 19, At 10:19 AM
- USGS partnered with Winlink to provide a way for “Did You Feel It” reports to get out via Radio
- This SHAKEOUT exercise will give USGS and FEMA a good measure of how effective the Winlink radio reporting system is
- Leaders hope Winlink users will submit a DYFI report at 10:19 local time (or within 1 hr after) on 10/19
- Please remember to add QUAKE-23 as a CC address; otherwise, your report won't show up on the map or be included in the After Action Report



“Did You Feel It” Report via Winlink

- You can find detailed instructions about how to fill out a Winlink “Did you Feel It” report and send it via radio at the following site. Note to specify QUAKE-23 as a CC address to your submission.
- It is important to **read the following link** for detailed instructions:
- https://winlink.org/sites/default/files/ShakeOutWinlinkExercise_cm6.pdf



“Did You Feel It” Report via Winlink

- Basics Summarized:
 - Use the DYFI Template under USGS Forms
 - This is an Exercise. The ID is 2023SHAKEOUT
 - Yes, in this Exercise, you felt the Earthquake
 - There are a series of questions to answer that yield the intensity of the earthquake (see link on previous slide). They want these answers used to yield a Modified Mercalli Index of 5 (V).
 - ONCE you have filled out the Report, Click on SUBMIT, but first review “WHO GETS THE MESSAGE” which is dyfi_reports_automated@usgs.gov
 - Add a CC: of QUAKE-23, plus KD9ANU so I can see who participated



“Did You Feel It” Report via Winlink

- **Use these settings to achieve a Default Intensity Level 5 result:**
 - What was your situation during the earthquake? Inside Building
 - If you were inside a building, what floor were you on? 2nd Floor
 - If you were inside a building, how tall was it? 2 stories
 - Were you asleep? NO
 - Did others feel it? Everyone/most everyone felt it
 - How would you describe the shaking? Strong
 - How did you react? Excitement
 - How did you respond? Dropped and Covered
 - Was it difficult to stand/and or walk? NO
 - Did you notice any swinging of door or other free-hanging objects? Yes, slightly Swinging
 - Did you hear any creaking or other noise? Yes, Loud noise
 - Did objects rattle, topple over, or fall off shelves? Rattled loudly
 - Did Pictures on walls move or get knocked askew? Yes, but did not fall”
 - Did any Furniture or appliances slide, topple over or become displaced? NO
 - Was a heavy appliance (lie a refrigerator or range) affected? NO
 - Were free standing walls or fences damaged? Not specified
 - Was there any damage to the building? Hairline cracks in walls

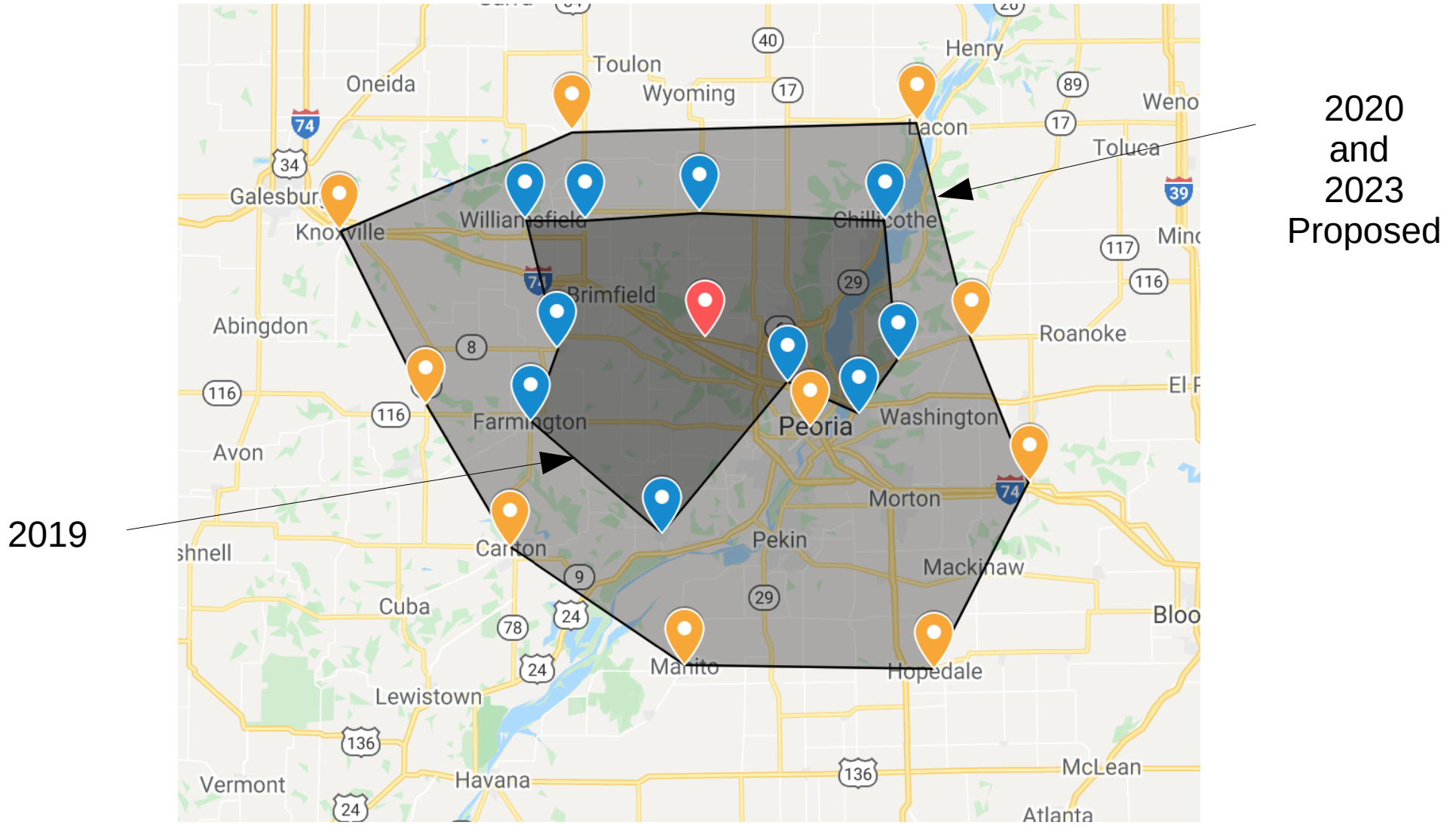


Repeater & Simplex Testing

- Repeat the testing as we performed in 2019 and 2020
- Use mobiles and car-mounted antennas
- No Base Stations or Base Antennas (except Bunker & RC)
- No Handi-Talkies
- No Home Stations
- Some proposed sites may fail to reach some repeaters, and some may fail to reach others via Simplex
- Participants record GPS Coordinates at their test locations – a datasheet will be provided for the QSO's and Coordinates
- Maximum Simplex QSO distance in 2020 was 42.1 mi (1-way), and 24.2 mi (2-way)



Repeater Test Field Sites



2019

2020
and
2023
Proposed



Who is participating, and Where

Field Sites	Name & Call
Kickapoo, IL - Net Control	Rich KD9ANU
West Jersey, IL	Rob KD9DBQ
Knoxville, IL	Kyle KD9VIN
Rapatee, IL	
Canton, IL	
Manito, IL	Brett KD9PQZ
Hopedale, IL	Jim W9JDP
Goodfield, IL	Rich K9RCS
Metamora, IL	Steve KD9AER
Sparland, IL	Jake K9WTF
Peoria Red Cross	not available

} Scott K9XJT will take either one



Repeaters to be Tested

- W9UVI (147.075)
- W9TAZ (146.670)
- W9BFD (146.970)
- K9PEO (146.850)
- WX9PIA (147.330)
- W9JWC (UHF 444.475 – BU Radio Club)
- Simplex on 146.535



When is Testing Happening?

- Saturday, November 11
- Participants need to be at their test locations and ready to start at 1:00 PM
- No one will be on their home station or on HT's



Data Sheets

- Data Sheets will be provided to participants
- I have yet to make these
- If you cannot print, I will send to you via mail
- Let me know if you want these mailed
- Expect all stations to report their field location with GPS Coordinates from your phones – both ios and Android phones can provide the data



Winlink News

- The W9TAZ-10 Gateway near Tremont in Tazewell County is down temporarily
- Due to hardware issue, possible lightning strike
- A new cable has been ordered
- A back-up TNC is available if needed
- Hopefully back online soon



Infrastructure Activities

- VHF Station at the Bunker
 - Available for Peer-to-Peer Winlink Packet Practice
- HF Station at the Bunker
 - Debug the End-Fed NVIS antenna – High SWR
 - Next - obtain ~~computer and~~ soundcard for HF Winlink
- ~~Peoria Red Cross Radio Room~~
 - Want to get the Kenwood TS-2000 to do VHF Winlink
 - Want to get the Yaesu FT-991A to do HF Winlink



Detailed List

- **ACTIVE ITEMS**

- Yaesu FT-950 at Bunker - Mostly resolved high SWR. KD9AER and KB9SF worked this item
- Research how to get the Kenwood TS-2000 to do Winlink on VHF (and HF if the built-in TNC will work) [Some progress has been made]
- Investigate Logging software option for use at Bunker and Red Cross
- Perform RF Exposure Calculations for all stations at Bunker

- **ON HOLD FOR NOW**

- Research what is needed to get the Yaesu FT-991A at the Red Cross to do Winlink (on HF and/or VHF). (Until this equipment finds a new home)



Yaesu FT-950 & Winlink

- An initial test of the Bunker's FT-950 rig has proven that this radio can send a Winlink message
- Using an antenna similar to that at the Bunker
- With a borrowed Signalink interface, on 40 meters, through KS0A in Geneseo
- Next - get 80 meters working better
- I purchased a slightly used Signalink interface and KD9AER made a cable for use with FT-950



NVIS Testing on HF

- I have not had time to try this
- A number of folks have expressed interest



National Traffic System (NTS)

- Want to learn more about NTS?
- Check out the new ARRL monthly publication “The NTS Letter”
- Free of charge to ARRL members
- Login and go to the following link
- <http://www.arrl.org/nts-letter>
- The first edition is now available
- Subscribe at arrl.org/opt-in-out by selecting "edit" to view all of your subscription preferences



ARES Net Reminders

- Illinois State ARES HF Net
 - 1st and 3rd Sundays of month at 4:30 PM CST
 - 3.905 MHz LSB (alternate 7.230 MHz LSB) & Echolink 824404
 - Informal 60M & 40M check in - (7230 KHz) at 4:10 PM
 - 60M check at 4:20 pm (5403.5 kHz Channel 5, if busy then 1, 2, 3, 4)
- Illinois Digital Net every Wednesday 8:00 PM on Illinois Link
 - WIRES X 21565
 - Brandmeister DMR 31171
 - TGIF DMR 31171, DMR+ Reflector 4636
 - NXDN 3117
 - P25 31171
 - YSF Reflector Illinois Link 83132
 - D-Star XLX 334G, DCS 334G, XRF 334G, and XLX 312G
 - Allstar Link 42810



END

- www.peoriacountyares.org
 - ilares.org
 - www.arrl.org/ares