



ARES Meeting Agenda - 05/19/22

- Welcome
- 2022 IL State ARES Spring SET
- Severe Weather Tabletop Results
- Hamfest Schedule
- Emergency Expo
- Upcoming Zoom Sessions from RATPAC
- Find Ham Radio Operators nearby or in a region
- Demos & Discussions
- P2P Opportunities for You
- Next Month's Meeting
- ARES Net Reminders



Welcome to any Guests

- Thanks for joining us tonight – everyone please sign-in
- 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
 - Winlink Express software for over-the-air email messages
 - Internet Email and text messaging for inter-team communications
- Training – much more to ARES than holding a mic and talking



2022 IL State ARES Spring SET

- Saturday April 30 – was postponed
- New Date – June 25th – 8 to Noon on Field Day
- Additional planning is underway – will provide details as they are announced



Severe Weather Tabletop Results

- Major take-aways:
 - Conditions dictate whether an activation will happen
 - Won't always activate with a tornado watch
 - Don't want folks to just sit around waiting for activation
 - EMA may issue a Code Red – saying we might activate later
 - Decision Support Briefing – useful for understanding
 - <https://www.weather.gov/ilx/DSS>
 - Spotter Briefing Page – another good page to watch
 - <https://www.weather.gov/ilx/spotter-brief>
 - There are 82 Peoria county warning sirens
 - Tested every daily silently, and monthly audibly on 1st Tuesday



Hamfest Schedule

05/20-22/2022	Hamvention	Dayton, Ohio
06/05/2022	Starved Rock Radio Club Hamfest	Mendota, IL
06/12/2022	Egyptianfest	Granite City, IL
07/17/2022	KARSFEST	Peotone, IL
08/07/2022	Hamfesters Radio Club Hamfest	Peotone, IL
08/13/2022	West Central Illinois Hamfest	Carlinville, IL
09/16-17/2022	W9DXCC	Naperville, IL
09/17-18/2022	Midwest Superfest 2022 IL Section Conv.	East Peoria, IL
09/23-24/2022	HRO Milwaukee Central Division Conv.	Milwaukee, WI
09/25/2022	Chicago FM Club Radio Expo	Belvidere, IL



Emergency Expo

- We plan to participate again this year
- Tuesday, July 12, 2022 – 4-7 pm
- Shoppes at Grand Prairie – between Dick's and the former Berger's (Route 91 side of complex)
- Emergency Responder – Touch-a-Truck Event
- Informational Booths on Safety-Related Topics
- Come hang out and talk to the public



RATPAC Zoom Sessions

- Radio Amateur Training Planing Activities Committee
- RATPAC is a grassroots group of ARES leaders who are working to provide twice a week Zoom training sessions
- **RATPAC has a new Website:** <https://www.ratpac.us>
- RATPAC uses a groups.io page to share information
(New name: RATPAC) <https://groups.io/g/RATPAC>
- Providing twice a week Zoom presentations related to Ham Radio and ARES (Recorded for later review)
- List of past & future presentations - tiny.cc/ratpac-list





Upcoming RATPAC Sessions

Date	Topic	Category
May 19, 2022	Hamvention - No Zoom Session	
May 25, 2022	Hamvention - No Zoom Session	Education
May 26, 2022	RF Exposure Exposure in Public Service Events	Technical
Jun 01, 2022	160 Meter- Shortened Helical Wound Antenna	Technical, Operating
Jun 02, 2022	Using Amateur Radio's Traffic System to Relay ICS 213 Messages	Emergency
Jun 08, 2022	ARRL Field Day Prep	Operating

Typically at 8:00 PM Central - <https://groups.io/g/RATPAC>

Presentations: Published Format- <http://tiny.cc/ratpac-list>

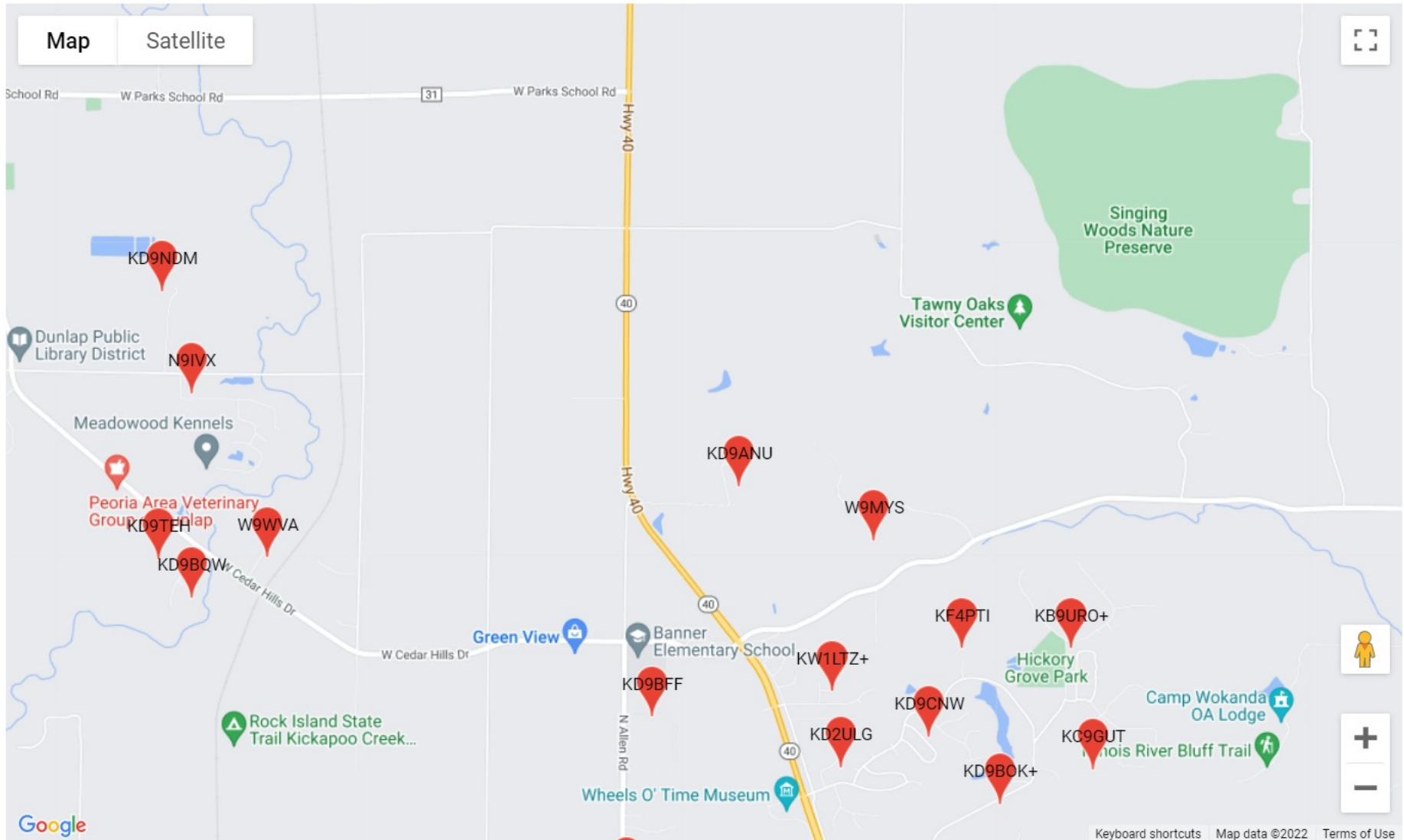


Find Ham Radio Operators

- Find Nearby Hams or Hams in a region
- Won't work for hams using PO Box address
- Called - Amateur Radio License Map
- Enter a call sign, gridsquare, zip code, or address
- <https://haminfo.tetranz.com/map>



Sample Map





Demos & Discussions

- GPS Dongle
- Portable Roll-up VHF/UHF Antenna
- Winlink Peer-to-Peer (P2P) Demonstration
 - Will send a Winlink Check-in form that includes GPS Coordinates for the GPS Dongle
 - Will use the Portable Roll-up Antenna
 - Have 2 VHF Stations set-up tonight for this demo
 - KD9AER – Kenwood D710 & Microsoft Surface – Mobile
 - KD9ANU – Kenwood D700 & Lenovo Yoga 7 – Go-box



GPS Dongle

- Finds your GPS coordinates right on your laptop
- Use a GPS receiver that plugs into USB Port
- HiLetgo VK172 G-Mouse USB GPS/GLONASS USB GPS Receiver for Windows 10/8/7/VISTA/XP
- Auto-enters GPS Coordinates in some programs
- No data conversions needed
- Amazon - \$12.99





Portable Roll-up Antenna

- Lots of plans on the Internet – choose carefully
- For VHF and UHF use, including digital modes
- Hang from whatever is available – inside/outdoors
- If you can solder, you can build it – only craft skills
- Need ladder line, SO239, short piece coax, etc
- Tools - Soldering iron, sharp knife, yardstick
- Who needs one or would use one of these?
- Should we hold a build session in the future?
- Who would be willing to attend?



Winlink Peer-to-Peer Demo (P2P)

- Think of this as Simplex Winlink
- Messages are moved solely via radio
- There is nothing going thru the Internet – no Telnet
- 1 operator can send or receive with another operator
- One station sits on the air waiting for a connection
- Other station connects, then messages are transferred
- Same radio & computer gear and settings that send messages via the VHF RMS Gateway KD9ANU-10
- Thanks to Steve KD9AER for participating



Demonstration



P2P Opportunities for You

- 1) I'm on a path to set-up a Winlink Peer-to-Peer station at the Bunker, on VHF freq. 145.610 MHz.
 - Most in Peoria County ARES should be able to reach it
 - Details will come in the future

- 2) Alex, KA3BQE, EC of McLean County ARES just started a weekly VARA-HF Peer-to-Peer check-in on 40 meters
 - Runs Tuesday 7 pm CT to Wednesday 6:59 pm CT
 - See <https://mcleanilares.org> for the details and to find the weekly challenge question that you need to answer. Alex welcomes every licensed operator to participate!



Next Month's Meeting - June

- For June, we will be holding a Zoom Meeting
- I expect a crazy month – new grandchild coming
- Meeting is scheduled for June 20, 7:00 PM
- So we are back to Wednesday for June meeting
- Keep a eye on your email for possible changes



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