



Lakeshore Repeater Association, Inc.

**KR9RK.ORG / KR9RK.COM**

Newsletter

June 1, 2024

**112 Members Strong!**

**Steven White - KD9RVB** has joined LRA in May. Welcome Steven!



## From the board

Contact the board members via email at [Board@KR9RK.COM](mailto:Board@KR9RK.COM)

Nothing to report this month so we thought we'd share this poem excerpt:

**"And what is so rare as a day in June?**

**Then, if ever, come perfect days;"**

...

**"Now is the high-tide of the year,**

**And whatever of life hath ebbed away**

**Comes flooding back with a ripply cheer,"**

...James Russell Lowell from ["What Is So Rare as a Day in June?"](#)



## **... to Support the LRA Activities in June**

We have a lot of fun LRA sponsored activities this month. Please take time and support them by attending:

- **June 8: LAARC/LRA Freefest Lyons, Wi.**

What: An outdoor electronics Ham Radio focused flea market jointly sponsored by the Lakes Area Amateur Radio Club (LAARC in Elkhorn) and the Lakeshore Repeater Association (LRA). Tailgating only (bring your own tables and chairs)

Time: Dawn to noon

Where: Riverview Park (1588 Mill St. Lyons, WI 53105) in Lyons, Wi (Lyons is just west of Burlington)

Cost: It's Free! Contact Fred, K9SO for more information.

- **June 15: LRA Foxhunt**

What: Our monthly transmitter hunt where we hide one or more transmitters and participants try to find them. If you don't have your own equipment, there's usually room for ride-a-longs to join in on the fun.

Where: Hunters gather at the Meadows Family Restaurant 10615 Northwestern Ave, Franksville, WI 53126

When: Hunters gather for breakfast at 8:00am. Participants should plan on the pre-hunt meeting at 9:00am if you want to skip breakfast. The hunt will start promptly at 10:00am and run for two hours.

Cost: It's free! Contact Matt, AF9Q for more information.



## ● June 22: Taste of Field Day Event

What: This is the big early summer LRA event designed to introduce members and their families to an afternoon of fun with radios of all kinds. This is a combination of a club picnic and radio operations during the low-key ARRL Field Day “contest” event. Field Day is the most popular annual activity in all of Hamdom.

Where: Richard Bong State Park. 26313 Burlington Rd., Kansasville, Wisconsin, 53139. We have shelter #1 reserved (very near the main entrance off SR142). Take the first road left after the entrance station and go about 1000 ft to shelter #1 on the right. [DRIVING DIRECTIONS LINK](#)

When: 12:00 noon - 5:00pm+ Setups will begin at about 10:00 am and all are welcome to participate. We have the shelter until the park closes at 11:00pm if some may want to continue working in the contest.

Cost: It's free! (there is a per-car entry permit to the park required). Contact Fred, K9SO [VP@KR9RK.COM](mailto:VP@KR9RK.COM) for more information. Invitations have been sent out to members and HH participants. Please respond. However, everyone is welcome.

## Quarterly Meeting Presentations:

We now have time allotted for member presentations at our quarterly meetings due to the extended availability of our meeting room.

If you have something to share with the group, and would like to present, please contact Dwayne, Matt, or me.

## Quarterly Membership Meeting



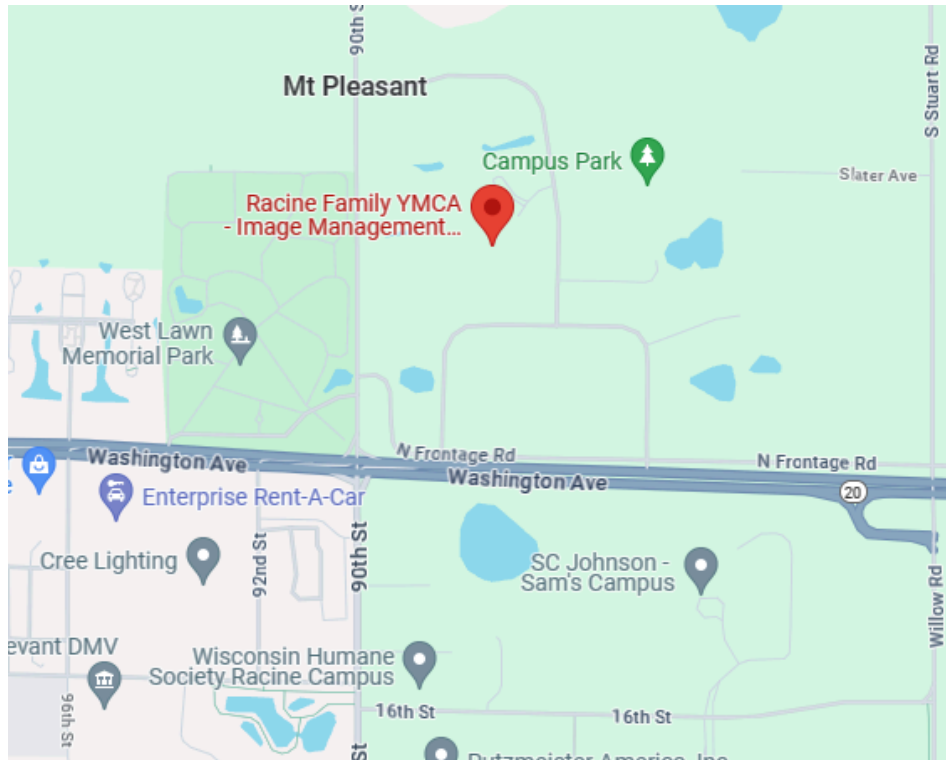
## NEW HOURS! NEW LOCATION!

Our quarterly open membership meetings are held on the last Tuesday of the first month of each quarter. (January, April, July, and October). The next will be July 30 and it will be held at our **new location** for this and future quarters. Doors will open at 6:30pm and a **tech talk (if any) will begin at 6:45 sharp**. Per LRA bylaws, only members

physically present and in good standing for more than 30 days may vote on issues brought up at the meeting.

We have allotted time for a 30 minute tech talk at the start of this meeting led by one of our members so **please note the change in starting time and location. YMCA Meeting Room at 8501 Campus Drive, Mt Pleasant, WI 53406.** Enter at the main entrance and check in with the front desk.

The business meeting will take place immediately after the tech talk.



## YMCA Lighthouse Run Saturday, June 15, 2024



Ham Radio Operators have always provided communications for this event. Volunteers are needed again this year. 6AM to Noon.

# High Tech Corner (not for the faint of heart)

[https://www.itu.int/dms\\_pubrec/itu-r/rec/p/R-REC-P.372-8-200304-S!!PDF-E.pdf](https://www.itu.int/dms_pubrec/itu-r/rec/p/R-REC-P.372-8-200304-S!!PDF-E.pdf)

[https://en.wikipedia.org/wiki/Noise\\_figure](https://en.wikipedia.org/wiki/Noise_figure)

The ITU Radiocommunication Assembly,  
considering

- a) that radio noise sets a limit to the performance of radio systems;
- b) that the effective antenna noise figure, or antenna noise temperature, together with the amplitude probability distribution of the received noise envelope, are suitable parameters (almost always necessary, but sometimes not sufficient) for use in system performance determinations and design;
- c) that it is generally inappropriate to use receiving systems with noise figures less than those specified by the minimum external noise;
- d) that knowledge of radio emission from natural sources is required in
  - evaluation of the effects of the atmosphere on radiowaves;
  - allocation of frequencies to remote sensing of the Earth's environment,

(Excerpts from the ITU 75 page document on radio noise)



## LRA Member Activities:

### Foxhunts



It's around here somewhere ... (KC9UPR)

The May Fox Hunt took place on the second Saturday of May, (5/11/2024)

This time, hunters were looking for one hidden transmitter in the 2m HAM band. Jeff - KC9JOB and Matt - AF9Q hid with the drive up transmitter.

The transmitter was found by Gene - WB9ZKY with Bonnie - WB9ZKX, Mary - N9ZWE and Al - N9ZWJ. Matthew - KC9UPR arrived shortly after Gene and his team.

Thank you guys for participating, it was fun!

Next Fox Hunt will be on the third Saturday of June 6/15/2024. We are meeting for breakfast at Meadows Family Restaurant in Franksville at 8am. Fox leaves to hide at 9am. The hunt starts at 10 and ends at noon. Transmitter frequency and other details will be provided directly before the hunt.

I appreciate "early chicken's" for the hunt as this helps me better prepare and make sure everyone has fun! Please send me an email to [secretary@kr9rk.com](mailto:secretary@kr9rk.com) let me know that you are interested.



**Bernie, N9AZA**, is our SKYWARN coordinator for the LRA. Spring is here and Bernie's already called the weather spotter net into operation. Be sure to join him.

Another practice net was held on May 30 after the Happy Hour led by **Rick, KC9UJO**. Great job, Rick!

**Andy, KD9YTL**, posted this question on the HH forum ... any suggestions?

*"Last night's weather activity really got me thinking about having a better system for real time weather information and ability to track storms. I am specifically interested in both an application for my Android Phone as well as the Rasperry Pi. I have a PI 4 on a separate monitor in my office where I want to be able to display the current weather and NOAA alerts. I started playing with RadarX and Wx on my phone and have used WRLevel3 on my Windows PC. GRLevel3 is a bit beyond my current skillset, but I do like the interface and amount of data available. The only thing I did not find in the app (yet) is real time lightning data.*

The National Weather Service (NWS) Forecast Office uses amateur radio as one method of communicating with spotter groups and emergency management organizations throughout our area of responsibility. For decades, amateur radio operators have provided invaluable service in support of the SKYWARN storm spotter program by using their unique communications capabilities to share critical information between the NWS, the local emergency management officials and storm spotter networks.

Thanks to the hard work and dedication of amateur radio groups throughout the area, a SKYWARN amateur radio network has been established to facilitate two way communication between NWS Norman and local emergency management agencies and storm spotter networks.

The network is designed as a "liaison net" during severe weather operations, serving as a collection point where local spotter networks (operating on their local repeaters and frequencies) can collect and relay reports and information to the NWS in Norman. The local net control stations gather information from individual spotters and relay that information to the NWS via the liaison net.

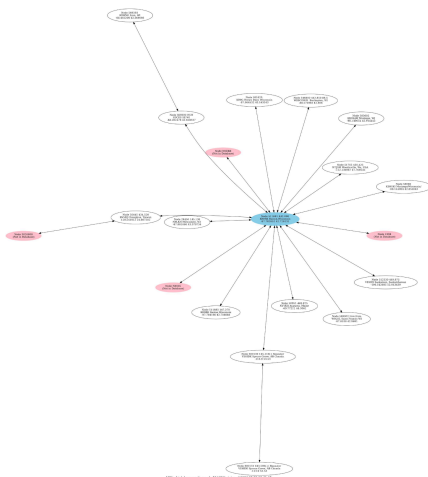
# Happy Hour, LRA Style



The “UN-NET” is hatching many more “Chickens” almost every day. **A new record** was set in April when K9SO, as moderator, logged in 61 participants blasting away at the old record of 54.

Incidentally, **Tom, N9BUN**, started this “Chicken” thing. Everyone used to jump in and say “Check-in” very fast. Tom started to say “Chicken” and it caught on.

Going on its 4th year, this is a fun, largely unstructured but moderated “Un-Net” where the moderator writes the often crazy rules. Check in **every day** after work with your call sign and share your happy thoughts. This group meets daily on both the LRA 442 and 147 Allstar linked repeaters at 5:00pm sharp and lasts for an hour. Be prepared to share your happy thoughts for the day. It is moderated regularly by **K9SO, K9WBT, KC9UJO, N9PYA, and KD1Z**. Lately, **Robin, WB9COW** and **Craig, KD9UQE**, have been moderating lately too. The beautiful FAT SQUIRREL certificate, courtesy of **Dave, NP2I**, is awarded for 100 HH check-ins and there are 74 of them decorating hamshack walls as of today. Millennial awards for over 1000 check-ins have been awarded to 4 participants already.



The UHF machine “bubble chart” during May 30 HH

BV5DJ, Gabriel (also AD8LG) joined us from Taiwan on 5/30. He found us by searching for the node with the most connections! World wide!



# ARES/RACES AND LRA PUBLIC SERVICE NET.



Join us every third Wednesday of the month at 7:30pm on our 2 meter repeater for an ARES/RACES net followed by public service announcements. Please visit [[ARES/RACES website](#)] for more information on how to become involved and serve the community.

## Saturday Breakfast



Many of our members meet for an informal breakfast every Saturday morning at 8:00am at the Meadows Restaurant in Franksville. Everyone is welcome.



**SK:** There will be a memorial service for Ed Varga, WI9ED, at Inspiration Ministry on Thursday the 6th of June at 3pm in the Sun Room.

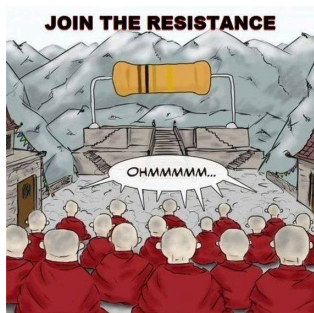


## Member Activities

Tom, W9FL, published all the details needed for construction of his new battery box on the HH email forum including links to buy parts:



Jack, W9LOL, has joined the resistance movement:





**Rich, W9ABE**, posted this question on the HH forum:

"I would like to hear from several members who own this unit. [Clear Node -ed]

I have a Shari unit that works OK.

I know several use the clear node while traveling, instead of the Shari unit.

I would like to hear your thoughts [on] how the Clear Node worked over the Shari?"

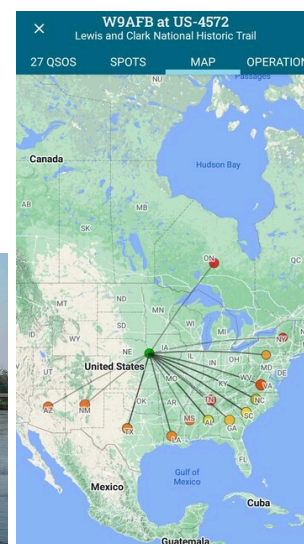
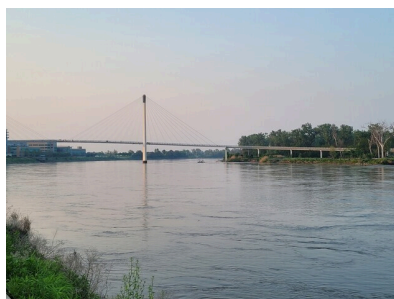
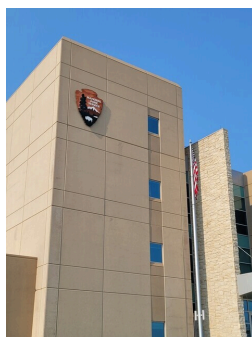
**Over 13 responses were unanimous in choosing Clear Node (UHF).**

**Scott, W9AFB**, has also been extremely active on POTA once again:

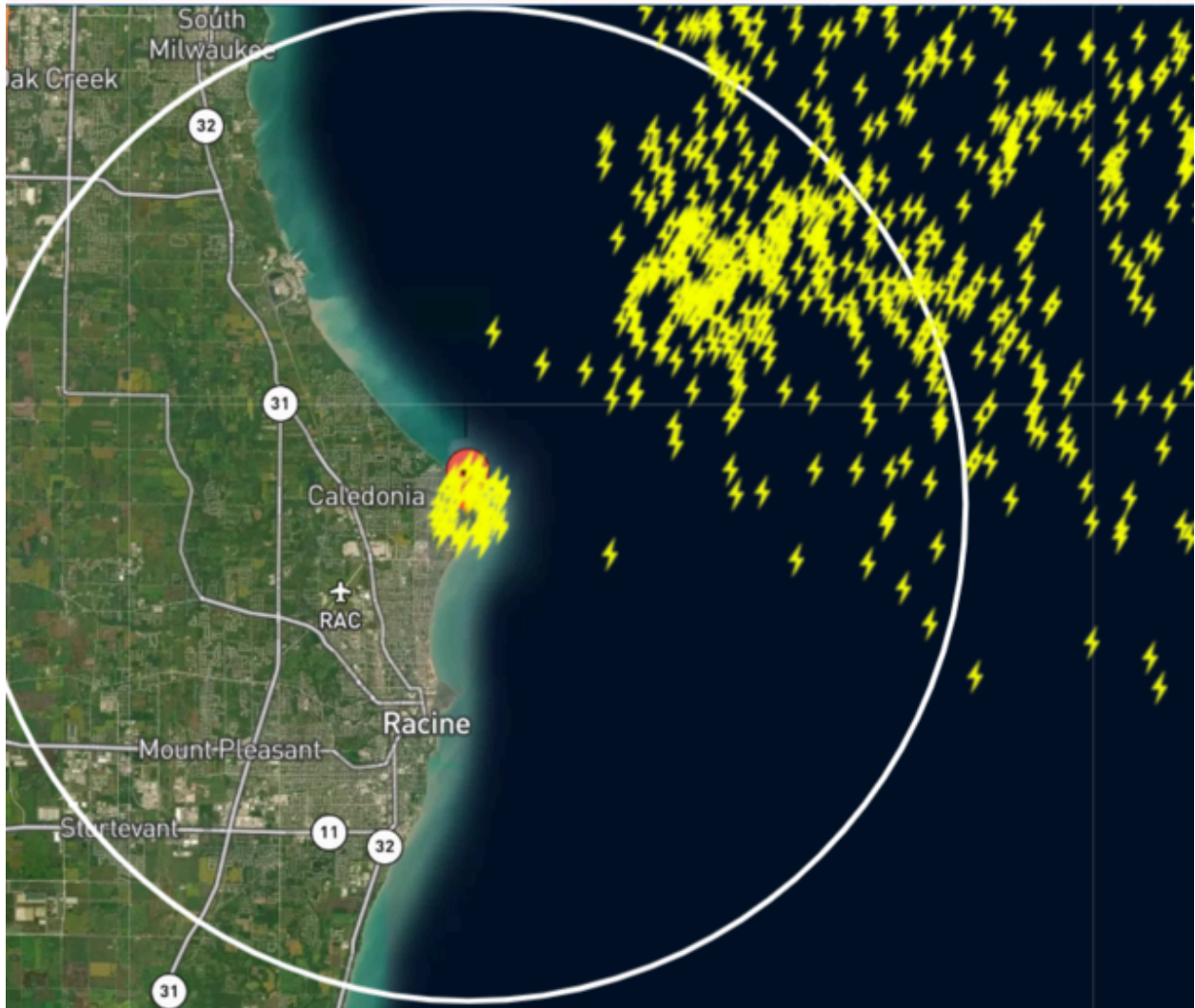
*"Was able to activate a few more parks last week. I was out in my old stomping grounds near Omaha, Nebraska and put 3 parks on the air. Two in southwest Iowa and one right in Omaha. I brought along the Xiegu X6100 at 5w and used a hamstick for the antenna. Bands were still recovering from the solar storm so I stayed on 20m.*

*First was the Glenwood Archaeological State Historic site US-8283 in Iowa. Next was St. Mary's Island WMA US-9309, right along the Missouri River. Last was right in downtown Omaha, the Lewis and Clark National Historic Trail US-4572 aka the Missouri River. The neat thing about the trails is that you just need to be within 100 feet of them and that's considered 'in the park'.*

*I attached a few pictures. First is the WMA sign at St. Mary's with my HT. Next is the National Park Service building in Omaha along with a nice shot of the Missouri River and the pedestrian bridge that goes from the Nebraska side to the Iowa side of the river. Last picture is the contacts made from the last park. "*



Live near Wind Point? Watch out and hold up that 1-iron as **Mike, WW9X** sent in this lightning strike report during a May 19th thunderstorm:



**Kevin, N9OIG**, did a solo trip out to the Dayton Hamvention and had this overnight camping setup:



**Dan, WX9EMS**, posted a link to the APRS map of the Dayton area. Quite the activity. Unfortunately, it was a live map link and I didn't capture a screenshot, but it was surely busy!

**Scott, W9AFB**, also posted some good information about QSL cards:

*"It has been great hearing all of the DX everyone is working, especially the new folks. I wanted to pass on a few tips for getting paper QSL cards from DX stations via The Bureau. Paper QSLs are still a thing. I get one in the mail direct every few weeks and maybe 40 a year from DX stations. The picture is a stack I received this Spring with a brick for reference.*

*First, some QSL basics to know.*

<https://www.arrl.org/files/file/QSL/QSL.pdf>

*So, how does one get cards that DX stations send via The Bureau? If you have a 9 in your callsign the answer is here! The method I use is to just send them a check to cover envelopes/postage and when the cards come in, they just drop an envelope in the mail for me.*

<https://qsl.nidxa.org/get-cards/>

*You DO NOT need to be a member of the ARRL to receive cards this way. If you have any desire to send/receive paper cards, I strongly recommend stating so on your QRZ page.*

*Now, sending via The Bureau is another process, covered here.*

<https://www.arrl.org/outgoing-qsl-service>"

I posted a picture of the latest Russian VHF radar (175 3-element Yagis) used to counter the USA's stealth aircraft (radar absorbing materials used are less effective at VHF frequencies):



I posted a picture of the new Russian VHF radar and mused about a mobile 2m moonbounce station. They're moving back to VHF since the radar absorbing materials on our Stealth aircraft are less effective there.



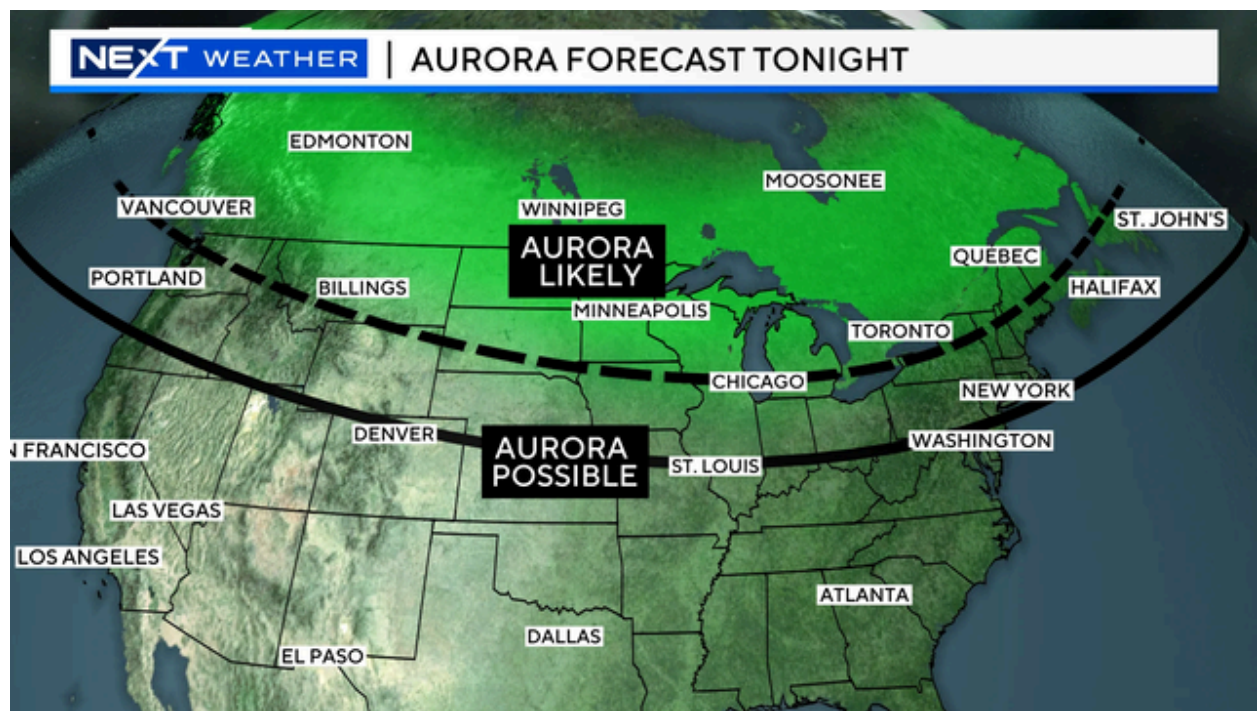
But **Markus, KD9UWG**, pointed out that we Hams already had a better one (128 11-element 2m yagis):



<https://www.dk9jc.de/blog/portabel/202-first-eme-qso-and-also-portable-and-only-powered-with-a-battery>

**John, AC9OT**, worked some 6m aurora propagation (CW) during one of his POTA outings earlier last month. That's REALLY COOL! Others (**Scott, W9AFB**) also noted seeing some auroral digital activities on the 6m waterfall displays, but they were uncopiable due to the auroral frequency distortions.

Following the big May 10 solar flare we had a perfect view of the aurora on May 10:



**Mike, WW9X**, took some outstanding photos from Wind Point:





**Tom, KD9WAN** has printed up some new bird spikes (YIKE! Will it load up?):



**I Shall Return:  
(Fred, K9SO)**

I got a lot done at my NC house over the past two months but I'll finally be returning home tonight (June 1). I'll be leaving late evening and driving through the night. Look for me on 442 during the long drive late Saturday night (overnight) and early Sunday morning. I will also have APRS on using K9SO-9.

I had a new driveway slab put in, a whole new roof put on the house and dock, new gutters, two new garage door openers, a new concrete outdoor stairway, a new French drain system, and misc. sprinkler system repairs. Wow. I hope I'm done for a while.

My dog Tucker was overly anxious to try out the new concrete steps:





**Bruce, K9WBT**, has been leading a local Winlink Wednesday Radio Email activity. There has been growing participation lately with a record turnout last week. Catch Bruce on the air or anyone on the daily Happy Hour Un-Net. Bruce moderates on Thursdays. What's it all about? Check out Winlink here [[Winlink](#)]. It is certainly a challenge to beat **Bill, KD1Z** for the first checkin spot.

*"This week we sent a one-line check-in with a confirmation of completion of the Zone Weather catalog request tutorial on the second line. For those of us in the US, this tutorial returned a National Weather Service Zone Forecast for your area. In Pete's case, VA7YBW, Environment Canada.*

*Good work everyone!! I had a lot of fun putting the tutorial and this roster together this week.*

*I also appreciated the positive feedback regarding the tutorial. I have really enjoyed exploring and learning about Winlink with our group. More tutorials to come!!"*

Latest check ins from May 29. 17 participants and growing every week. Join us!:

**In order of appearance:**

**VA7YBW; (early) 2M. FM Packet, CWVR, Southwest Interior of British Columbia.**

**KD1Z; 00:40, HF, KMKX , Milwaukee/Sullivan WI**

**W9LOL. APRS, KMKX , Milwaukee/Sullivan WI**

**W9ABE, KMKX , Milwaukee/Sullivan WI**

**KF0NWQ, Telnet, KOAX, Omaha/Valley NE**

**W9AFB, Telnet, Milwaukee/Sullivan WI**

**N9UWO, Vara FM, Milwaukee/Sullivan WI**

**K0WET, Vara FM, KBOU, Denver/Boulder CO**

**K9WNG, HF 40M, Telnet, KMKX, Milwaukee/Sullivan WI**

**KC9HYY, HF, one line check-in.**

**W0CBP, KNUR, Western SD/Northeastern WY**

**KD9WAN, checked in using PAT Winlink for MacOS**

**N0EBB, Vara HF, KLSX, Saint Louis MO**

**K9SO, KRAH, Raleigh NC**

**K9QKL, Vara FM, KMKX, Milwaukee/Sullivan WI**

**WX9EMS, Vara FM, KMKX, Milwaukee/Sullivan WI**

**K9WBT, (NCS), VARA HF, managed to hit level {8} 735bps on 40M, KMKX, Milwaukee/Sullivan WI**



# Happy Hour Email Group on Groups.IO



We have a happy hour email reflector (“the forum”) on Groups.IO now. Dozens of interesting posts last month. Join in the conversation by clicking on the link below now! You won’t get spammed as you can opt to receive only one summary email per day. Get an invite here: [[LRA Happy Hour Net](#)]

## Amateur Extra Class License ... new question pool:

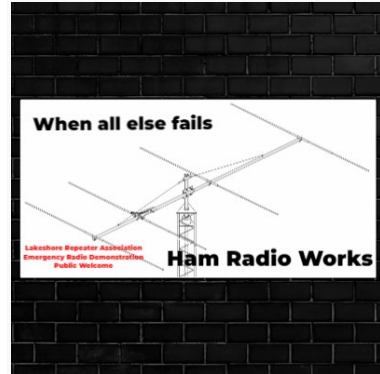
ZCZC AG04  
QST de W1AW  
ARRL Bulletin 4 ARLB004  
From ARRL Headquarters  
Newington CT February 16, 2024  
To all radio amateurs

SB QST ARL ARLB004  
ARLB004 Errata to the 2024 - 2028 Amateur Extra-Class Question Pool  
Released

The National Conference of Volunteer Examiner Coordinators (NCVEC) Question Pool Committee (QPC) has released errata for the new 2024 - 2028 Element 4 Extra Class Question Pool, which goes into effect on July 1. The errata includes minor question changes, the removal of one question, and one modified graphic.

These updates are reflected in the new downloadable files, dated January 31, 2024.

The ARRL VEC advises the community to regularly check the NCVEC website at <https://www.ncvec.org/> for updates to the question pools.



## Taste of Field Day, June 22, 2024

A Field Day organization committee has been formed. Four organizational on-line meetings have already been held and it is really coming together. Rain or shine!

You do not have to be on the committee in order to participate in the FD activities on June 22. The “Taste” is only 5 hours long (12:00 - 5:00pm) at Shelter 1, Bong.

FD committee visited the site at Richard Bong State Park, shelter #1 which has been reserved for our sole use and paid for by an anonymous benefactor.

The site is nearly perfect and we were all excited about it. About half of the pavilion is enclosed. All of it is under roof. If we have high winds and rain, we can be indoors where all of our equipment will be protected. Additionally, the toilets are only 200 feet away. We have the shelter until 11:00pm if anyone wants to stay that long.

The “Taste” will feature at least one local HF 100w transmitter station (using **KR9RK**) and lots of demonstration stations: one FlexRadio Maestro setup operating the big station at Q-SO Qorners (**K9SO**), another FlexRadio Maestro operating a more modest station remotely in North Carolina (**K9SOB**), one RemoteRig setup running a remote Kenwood TS-2000 (**N9OIG**), a satellite setup where we will attempt to communicate with the International Space Station (**KR9RK**), and multiple mobile radio demonstration setups and POTA stations (individual call signs).

**Jeff, KC9JOB** and **Matt, AF9Q** will set up a mini fox hunt (on foot) with 2 or 3 transmitters to find during the day. Equipment will be available for those who would just like to try it out. A great activity for the kids too!

Please bring snacks and/or desserts to share and BYOB. Food (hamburgers/hot dogs) and (soft) drinks will be provided with **Bernie, N9AZA** doing the cooking.



This is a BYO POTA event too! Plenty of room.

The overall site is well over an acre in size ... plenty of room for multiple POTA-like setups (bring your own) and a ton of picnic tables.

There is a small per-car entry fee to the state park but the cost of the site rental and picnic food (hamburgers, hot dogs, soft drinks, etc.) is being picked up by an anonymous donor so there is no attendance fee. Registration, however, is requested for planning purposes. Please respond to the meeting notices already sent out to the LRA members and HH forum participants.

So load up the entire family and join in on the picnic fun. BYOB, snacks, and desserts to share if you want. Recommended: bring your own chairs.

Pictures from our last "Taste" showing two of the four active HF stations we had in operation:





## Jerry's Kids:

**Jerry, N0IMJ**, Elmers his 8th grade students at the Lutheran School in setting up a radio club but the school year has ended. Thanks to all who helped out by having QSOs with the kids this year.

# Contesting/Operating Corner



The Wisconsin QSO Party results are in: [www.warac.org/wqp/wqp.htm](http://www.warac.org/wqp/wqp.htm)

**Dave, NP2I**, posted the best LRA score with 39,767 points (437 High Power SSB QSOs x 91 county multipliers).

**Nathan, KC9HYY**, was right behind him with 30,030 points (260 Low Power SSB QSOs x 77 county multipliers x low power multiplier).

## Museum Ships Weekend - This weekend 0000Z 01 Jun 2024 - 2359Z 02 Jun 2024

Over 100 ships are scheduled to be on the air this weekend. Always cool to have a QSO with a battleship or aircraft carrier :)

<https://www.nj2bb.org/museum/>

Info courtesy of Scott, W9AFB

## ARRL Publications (all come with membership):



Join the ARRL today! [Join here now!](#)



## BREAKING NEWS

### Updates about the ARRL network hacks:

Updated 5/29/2024

This update includes information about the status of several services as we continue to respond to a serious incident involving access to our network and systems.

The ARRL Volunteer Examiner Coordinator (ARRL VEC) has resumed the processing of Amateur Radio License applications with the FCC. A more comprehensive update on the status of ARRL VEC services is available [here](#).

There has been no interruption to visitor operating at W1AW, the Hiram Percy Maxim Memorial Station. The station resumed voice bulletins on Thursday, May 23. All other scheduled transmissions, including Morse code practice, and code and digital bulletins, will resume on Thursday, May 30. Please refer to the regular operating schedule at [www.arrl.org/w1aw-operating-schedule](http://www.arrl.org/w1aw-operating-schedule).

After last week's distribution of the ARRL Letter, our e-newsletter service has resumed. Current editions of ARRL Club News and The ARES® Letter have also been distributed.

ARRL Store orders have resumed shipping. Orders are being fulfilled from earliest order dates to the latest. Please allow additional time for our processing.

There has been no disruption to the @arrl.net email forwarding service, though forwarding email addresses and aliases cannot be modified at this time. Our telephone system is unavailable at this time.

We appreciate your patience as we continue working on restoring access to affected systems and services.

Updated 5/22/2024

We are continuing to address a serious incident involving access to our network and systems. Several services, such as Logbook of The World® and the ARRL Learning Center, are affected.

We have heard from many LoTW® users, asking about the status of the service and its data. **This is not an LoTW server issue, and LoTW data is secure.**

Our editorial and production team is preparing the July issue of QST magazine, which is still going to press. It may be delivered a few days late to members who receive print subscriptions. The digital edition should be published on time.

## Richard Bong wreckage found

Our popular Richard Bong State Park bears his name.



**Full story here:**

**Explorers discover possible wreckage of World War II ace Richard Bong's plane in South Pacific**

Richard survived that crash but lost his life as a test pilot piloting an experimental jet aircraft on the same day the Hiroshima bomb was dropped.

**QSL card of the month:**



## Stuff You Need (?) Department:

Announced at the Dayton Hamvention, the new 8600M SDR transceiver from FlexRadio (also a lower cost 8600 and 8400):



Not shipping until August, but a \$500 refundable deposit can reserve one for you.



New, from Tait electronics, the ComJot CJ-1:

<https://youtu.be/C9snUPo-lyY>

# One Device that is your:

## Mobile Phone



## Dual Band Ham Radio



DMR/Analog  
Radio

UHF:400-470MHz and VHF 136-174MHz; RF power: high: 4W,  
low: 2W; FM Analog and DMR; AES256 Encryption

Rez's new Ranger 80 HF field antenna:



Thanks to our growing list of newsletter contributors! Make sure you post your activities on the HH forum or send them to me at [VP@KR9RK.COM](mailto:VP@KR9RK.COM). Pictures say it best!

**73, Fred, K9SO**

**VP, Lakeshore Repeater Association, Inc.**

**VP@kr9rk.com**

## **APPENDIX I, upcoming hamfests:**

**June 1, 2024 – Green Bay Mike and Key Club Hamfest Location: Green Bay, WI  
Sponsor: Green Bay Mike & Key Club Website: [www.k9eam.org](http://www.k9eam.org)**

**June 8, 2024 - Lyons, Wisconsin Freefest co-sponsored by LAARC and LRA radio clubs. Lyons park, in Lyons. Dawn to 12:00 noon**

**June 15, 2024 – Riverland ARC Swapfest Location: Stoddard, WI Sponsor:  
Riverland Amateur Radio Club Website: [www.rarc.qth.com](http://www.rarc.qth.com)**

**July 6, 2024 – South Milwaukee ARC Hamfest Location: South Milwaukee, WI  
Sponsor: South Milwaukee ARC WI9SM Website: [www.wi9sm.org](http://www.wi9sm.org)**

**August 10, 2024 – CVARC 2024 Hamfest Location: Chippewa Falls, WI Sponsor:  
Chippewa Valley Amateur Radio Club Website: <https://w9cva.org/hamfest>**

**August 24, 2024 – Circus City Swapfest Location: Baraboo, WI Sponsor: Yello  
Thunder Amateur Radio Club Website: <http://yellowthunder.org>**

**September 7, 2024 – ORC Annual Regional Fall Swapfest Location: Cedarburg, WI  
Sponsor: Ozaukee Radio Club Website: <http://www.OzaukeeRadioClub.org>**

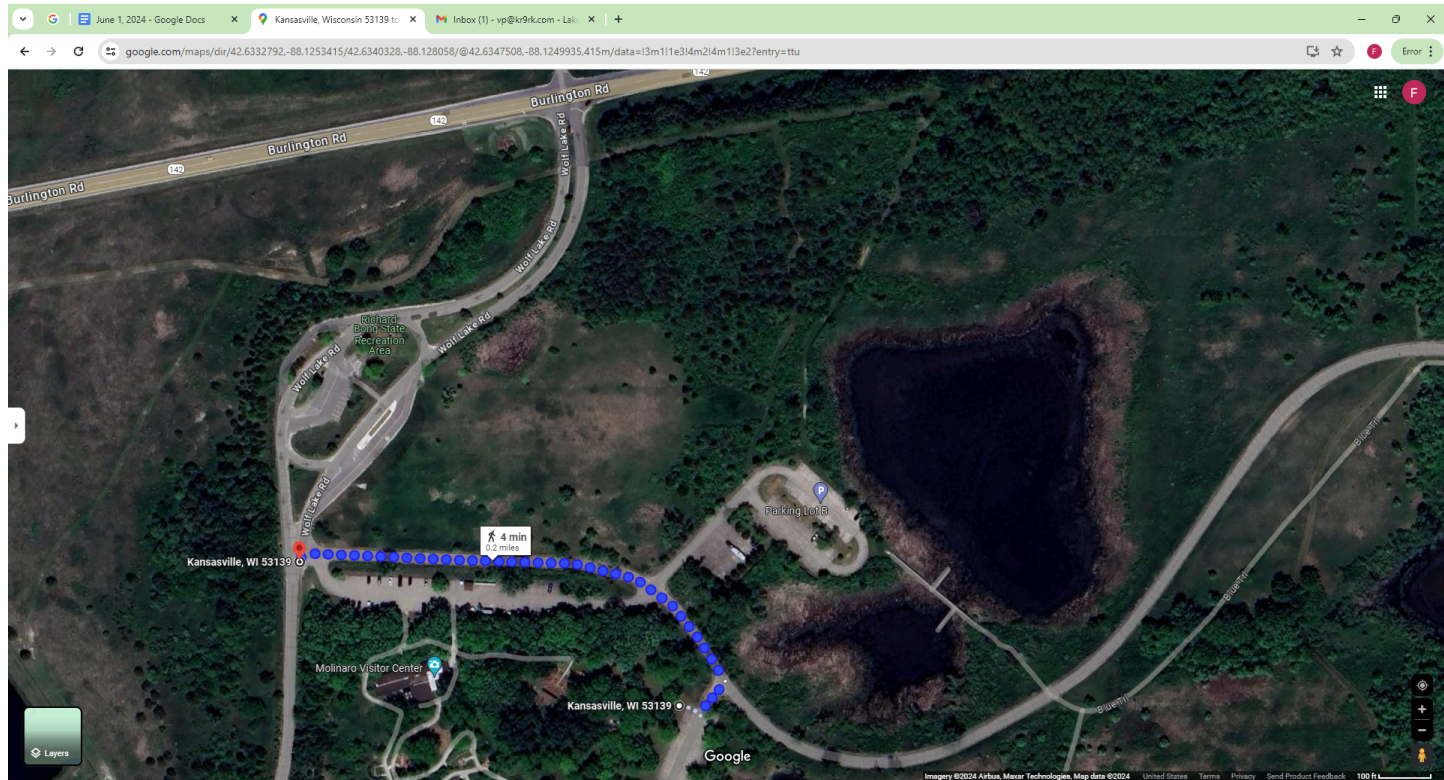
**September 20-21, 2024 – HRO Superfest Location: Milwaukee, WI Sponsor: Ham  
Radio Outlet Website: Not Provided**

**October 19, 2024 – Hidden Valley ARC 1st Annual Hamfest Location: Lancaster,  
WI Sponsor: Hidden Valley Amateur Radion Club Website: Not Provided**

**November 2, 2024 – ARES Conference / State Convention Location: Wisconsin  
Rapids, WI Sponsor: Numerous Website: <https://wi-arrl.org/events/>**

## Appendix II

### Bong State Park directions to Shelter #1:



Enter from SR142 (Burlington Rd). Take the first road to the left after the entrance ranger station. Go about 1000 feet and turn right to shelter 1 parking area. We're right next to the park amphitheater.

Google map directions to park: [DRIVING DIRECTIONS LINK](#)