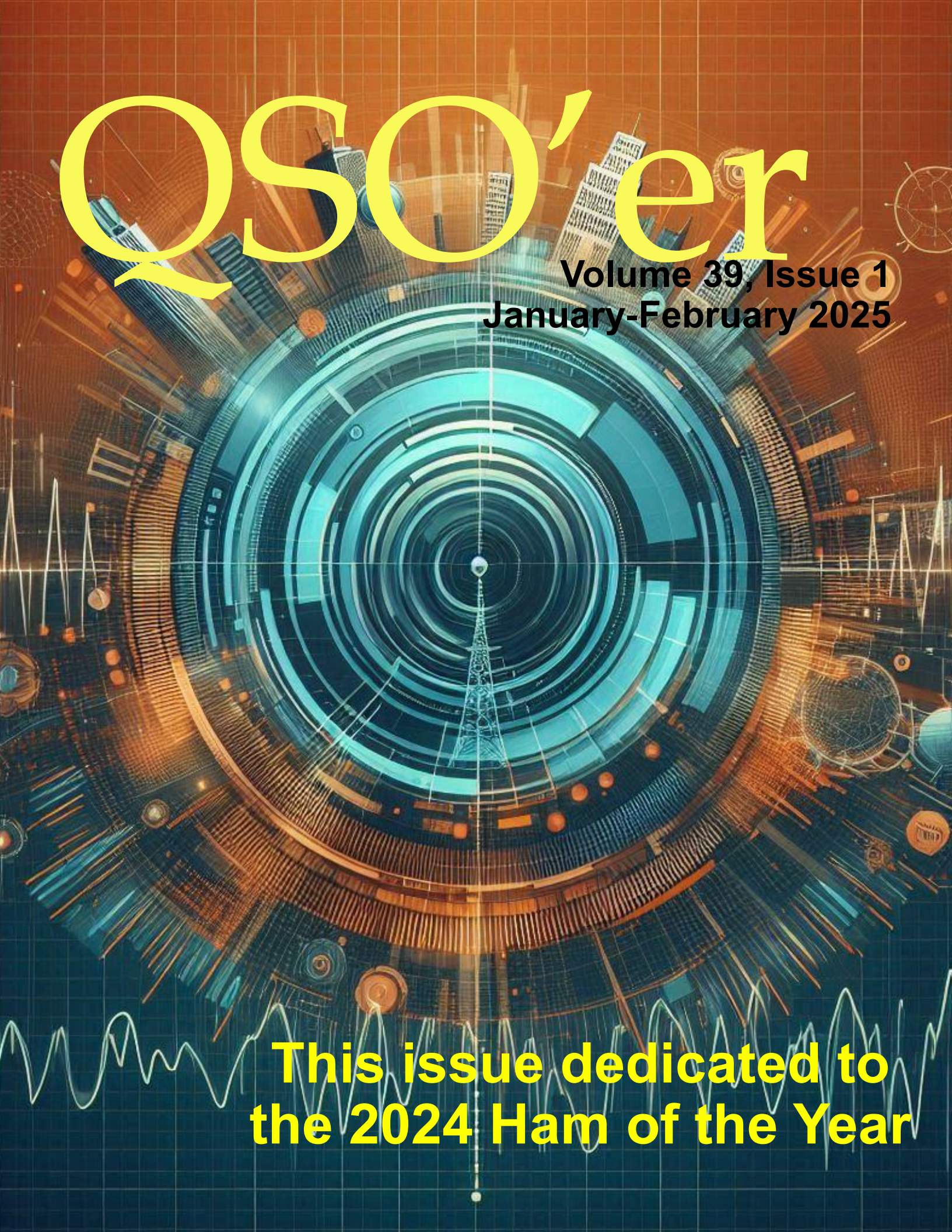




QSO'er

Volume 39, Issue 1
January-February 2025

**This issue dedicated to
the 2024 Ham of the Year**

QSO'er

November - December 2024 | Volume 38 Issue 9

FEATURES

Shack of the Month (page 5)

A new feature that shows off the ham shacks of members to inspire your own shack.

Reminder to pay your dues (pages 5 - 6)

Instructions on how to pay your dues

FCARC Annual Awards Banquet & HOTY (page 10-11)

If you missed the banquet, here are a few photos from the event.

Hacks (page 13)

Reprinted from On the Air magazine.

FCARC Members At Winter Field Day (page 15)

Ham Purchases I've Never Regretted (pages 16-17)

by Mike Moore (WI9MMM)

Unlocking the Full Potential of Ham Radio With AI (page 18)

by Gene Wall (KE8KWF)

IN EVERY ISSUE

January 2025 General Membership Minutes (pages 7 - 9)

Hamfests Across Wisconsin (page 21)

Lending Library Catalog (page 23)

Need something for a short period use? Check out the FCARC lending library. It may just have what you need.

Ham Trivia & Crossword Puzzle (pages 24 & 25)

FCARC Calendar (page 27)

Club Membership Application (page 29)



QSO'er



A publication of the
 Fox Cities Amateur Radio Club
 P.O. Box 2346
 Appleton, Wisconsin 54912
www.fcarc.club

FCARC Officers

President— Mike Moore (WI9MMM)
Vice-President— Andy Lawton (AJ9L)
Treasurer— Donna Mendyke (KC9THF)
Secretary— Gene Wall (KE8KWF)
Membership Coordinator— Vacant
Technical Director— Larry Peterson (WA9TT)

Members At Large

Brian Miller (N9BAM)
Rudy Reynebeau (KD9RPW)
Mike Miller (KD9QHJ)

On the cover: As artificial intelligence interacts with every day of our life it seemed reasonable to bring AI into an edition of QSO'er. This month our cover image was AI generated. What you are looking at is an abstract background with waves emanating from a central point, symbolizing radio signals.

Message From the Editor

Congratulations To Our HOTY

By Gene Wall (KE8KWF)

FCARC Secretary and QSO'er Editor



Last evening at our annual banquet the club announced our 2024 Ham of the Year (HOTY). After two decades of service bringing ham radio to youth from around the world at the Experimental Aircraft Association (EAA) Airventure fly in, our club recognized Jon Oldenburg (AB9AH), as this years Ham of the Year. Jon is best known for his work with EAA, but you can find him participating in many other club sponsored activities. He was an elected officer of the club, supporter of our hamfests, club meetings, and so much more. We want to thank Jon for his years of support, service, and dedication to the hobby. We look forward to many more years as an inspiration to new and old club members. Thank you Jon!

This edition of QSO'er introduces the topic of what Artificial Intelligence can do to help the ham operator. With AI entering every corner of our life, why shouldn't it enter at least a small part of our favorite hobby. I put together a small piece that offers some initial thoughts on the topic. I welcome any comments from our readers on the subject and value of studying this topic deeper.

Just a quick update on my 2025 resolutions that I wrote about in the last edition. You might recall that I shared three resolutions. My first resolution was to get an upgrade to Extra. Well, I'm no further ahead on that than I was in December; I have 10 months remaining to figure this out. My second resolution was to get 10,000 steps on my smart watch at least 5 out of 7 days each week. So far, this has been going pretty well. Now the hard part is that I have 10 more months to keep this trend up. And finally, my third resolution was to find some more work-life balance. Well, I'm about 10 months worse than when I started out. Oh well, maybe I'll figure something out tomorrow.

I want to wish everyone a wonderful month and I look forward to seeing you at our next club meeting on St. Patrick's Day!

73,
Gene (KE8KWF)



An AI generated rendering of a ham radio operator at his radio set.

FCARC 2025 CLUB DUES

This is just a friendly reminder to make sure your 2025 dues are paid. You can make your payment on our club website, via mail, or at our next general membership meeting. Your dues help maintain our repeaters and other club equipment. Thank you to all members who have already paid; your continued support is appreciated.

Full, Associate or Retired - \$20.00

Student - \$10.00

Family - Full Member, plus \$5.00 for each additional family member residing at the same address.

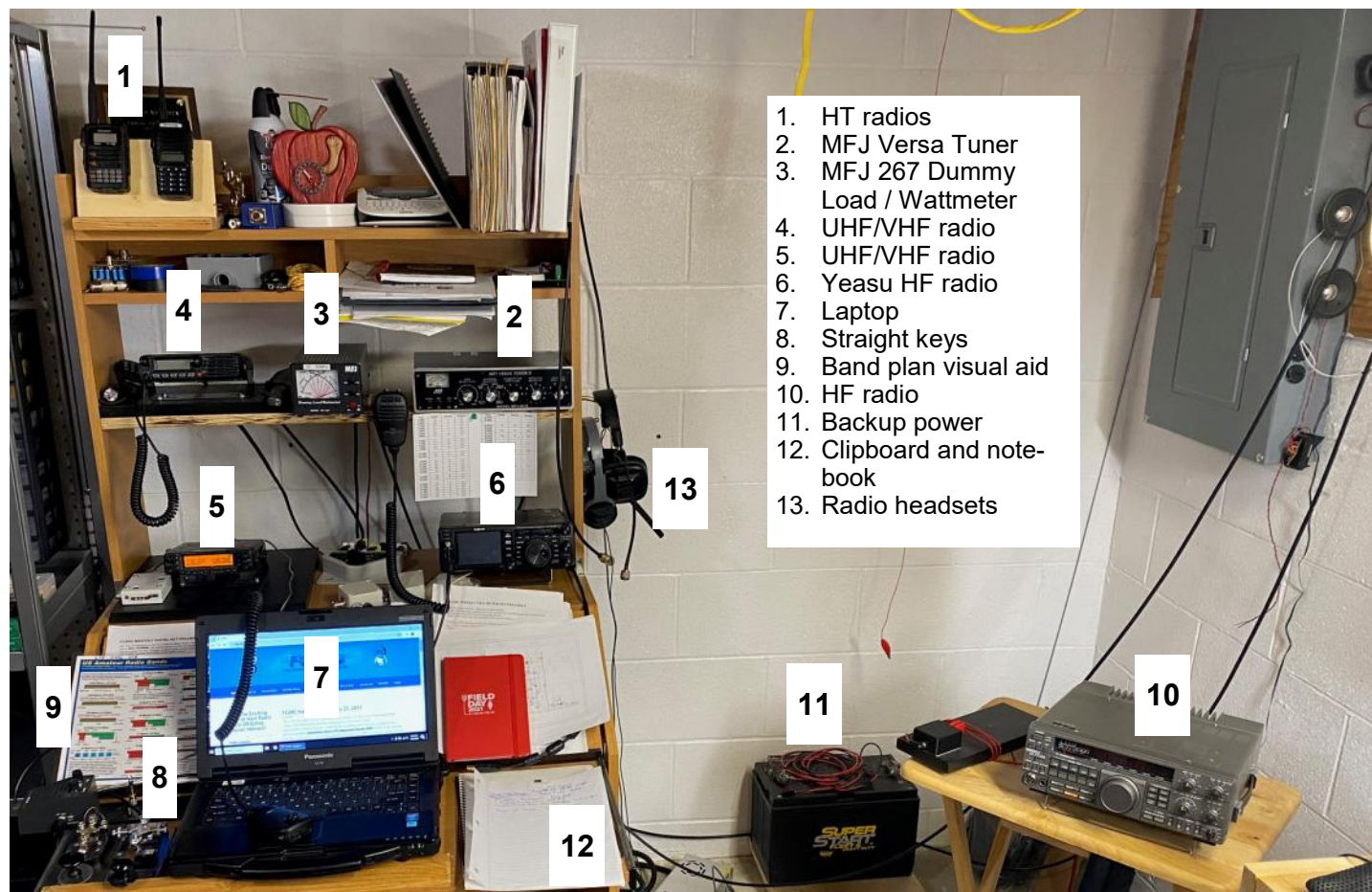
Instructions for how to pay online are found on page 6.



An AI rendering of a \$20 bill.

Shack of the Month Mike Moore (W19MMM)

This month QSO'er features the ham shack of Mike Moore. Mike's shack contains UHF, VHF, and HF capability in both base station and mobile configurations.



1. HT radios
2. MFJ Versa Tuner
3. MFJ 267 Dummy Load / Wattmeter
4. UHF/VHF radio
5. UHF/VHF radio
6. Yeasu HF radio
7. Laptop
8. Straight keys
9. Band plan visual aid
10. HF radio
11. Backup power
12. Clipboard and notebook
13. Radio headsets

How To Pay Your Dues On HamClubOnline

Step 1: Login into the HamClubOnline.com website.



Step 2: Sign in to the website with your login and password.

Member Login: **Your email**

E-Mail: Password:

[\(Forgot Password?\)](#) | [\(Register New\)](#)

Step 3: Once logged in, in the center of the page, click on the FCARC link. You will notice that once you pay your dues, your dues expiration date will update. This is what it looks like for Gene Wall (KE8KWF). Yours will look like this after you pay.

You are currently on the roster of the following HamClubOnline club:

[FCARC](#) - Officer (Membership Expires: 2025-12-31)
(Click the club name to enter the club menu.)

Step 4: There is a menu of options on the left side of the page after you log in. Select the option for "Add Membership Time/ Make a Payment"



[Elections & Surveys](#)
[Add Membership Time / Make a Payment](#)
[Purchase Club Items \(Coming Soon!\)](#)
[Club Auction \(Coming Soon!\)](#)

Step 5: Click the Big Blue Button in the middle of the page. A new page will open up with your personal information. Follow the online ordering prompts for a secure payment via credit card through Square payment system. And that is all there is to it!

Welcome back to the club.

HamClubOnline - Payment System

Fox Cities Amateur Radio Club, Inc.
EUGENE WALL KE8KWF

Renew Existing Membership?:

Membership Name:	Regular Member
Membership Description:	Regular voting member
Renewal Rate:	\$20.00 USD per year
Current Membership Expires:	2025-12-31

New Membership Type?:

Membership Type	Initiation Fee	Membership Rate
Regular Member	\$0.00 USD	\$20.00 USD per year
Family Member	\$0.00 USD	\$5.00 USD per year
Student Member	\$0.00 USD	\$10.00 USD per year

Click the Membership Type name above if you wish to create a new membership. This new membership will start when your current membership expires.

[Home](#) / [Forgot Password?](#) / [Help Center](#) / [Contact Support](#)

January FCARC General Membership Minutes

By: Gene Wall, KE9KWF

Per the organization bylaws, a quorum was achieved. There was a quorum with a total number of 40 in attendance. Mike Moore (WI9MMM) called the meeting to order at 7:03 pm. Roll call was taken by all members in attendance.

The Elmer of the evening was Mike Moore, WI9MMM.

Committee Reports

Secretary – Gene Wall (KE8KWF) – The minutes of the last meeting were provided in the December newsletter for review and comment.

Treasurer – Donna Mendyke (KC9THF) – Donna was not able to make the meeting.

Membership Coordinator – the position is open. Anyone interested in being a leader in the club can use this as an excellent introduction to our club.

Technical Director – Larry Peterson (WA9TT) – Larry introduced Andy (AJ9L) to present the evening tech tip. Andy explained why repeaters have an offset. He clearly outlined that the offset is necessary for the transceiver to receive and transmit simultaneously.

Members at Large – If you have an idea for a program that you can give or would like to see, please speak to Mike (KD9QHJ), Rudy (KD9RPW) or Brian (W9BAM).

Special Committees

Repeater Committee – Andy Lawton (AJ9L) – The 23 cm repeater is accessible down to the EAA museum, west to Larson. It will have good in-town coverage over most of the valley.

Website Committee – Dave Sprangers (ND9DW) – The website is up and running with no issues.

License testing – Rick Kosiorek (WJ9K) – The next testing will be on January 25, 2025, at Maplewood Middle School Community Room.

Public Information – Carol Young (W9PIO) – Carol announced the Winter Field Day. She distributed fliers at local gas stations, the YMCA, and other locations in the area.

Special Business

1. Nominations For Ham of the Year (HOTY) – Current nominees include: Andy (AJ9L), Jon (AB9AH), Tony (AB9IO), Mike (WI9MMM), John (KC9TFM), Rick (WJ9K), Gary (KB9AIT), Gene (KE8KWF). Nominations are now closed. Larry (WA9TT) will begin the voting process.
2. Elections for President, Membership Coordinator, and 3 Members-at-Large: Mike (WI9MMM) announced that we will be electing new officers in May. If you have questions about what any of the positions entail, job descriptions will be posted soon.
3. Proposed By-Law Changes: Mike (WI9MMM) - Changes to the bylaws need to be submitted to him by the Board of Directors meeting in April.

New Business

Sole Burner and MS Walk – Mike (WI9MMM) - Both events fall on the same day, May 10, 2025. We will need as many volunteers as possible to support both events.

Old Business:

Winter Field Day: January 25, 2025, Coordinator position open. We will also do license testing at field day. Field day will be held at the school in the Community Room. Testing will take priority in the Community Room over Field Day.

FCARC Banquet, February 22, 2025 – it will once again be held at Holiday's. The price is \$30 per person, 12 and under \$15. Sign up online at www.fcarc.club. Mike (WI9MMM) needs to have a firm headcount by 2/14/25.

Wisconsin QSO Party – Brian (KB9LRD) – Brian will likely start to solicit participants for the Wisconsin QSO Party on March 9, 2025. Brian was not at the meeting, however Mike (WI9MMM) encouraged everyone to keep their ears open for information from Brian.

Recruiting a Field Day Chairman – Mike (WI9MMM) announced we are still in need a Field Day chairman.

FCARC Pot Luck – the event in December went great and we had a lot of food.

Renew Your Membership: Renew your dues if you have not already done so.

January FCARC General Membership Minutes (continued)

Technical Questions/Topic – None

Show and Tell –

a. None for the night.

Program – Larry (WA9TT) and Gary (KB9AIT) gave a presentation entitled “HF 101.” This is the second time that this has been presented but it may be a precursor to a future presentation on HF operations in the future.

Adjourn at 8:00 pm

Minutes Prepared by-
Gene Wall (KE8KWF)

Reviewed by-
Mike Moore (WI9MMM)

February FCARC General Membership Minutes

The annual awards banquet serves as the General Membership Meeting for the club. See photos from the event, including the announcement of the Ham of the Year in this edition of QSO'er.

The image to the right is an AI rendering of a distinguished man receiving an award.



HamThings)))



HamThings is owned by club member Chris N9CVR. We sell Fuse Blocks and VHF/UHF antennas.

Talk to Chris, good on QRZ, or HamThings.com,
Use promo codes W9ZLCLUBPRICE and W9ZLHANDDELIVER



FCARC



FOX CITIES AMATEUR RADIO CLUB, INC.

General Membership Meeting Sign-in Sheet

Date: 1/20/2025

Name	Call sign	Name	Call sign
1. Mike Morse	W19MMY	21. MICHAEL KRAYS	KE9ADF
2. Joel Moser	W14WD	22. KAREN THORNE	WB9ZAH
3. Cady Lind	KD9QXL	23. MIKE HOFMANN	KD9ZTP
4. Carl Young	N9NDAN	24. Gary Hordant	KB9AAT
5. Carol Young	W9PIO	25. George Thorpe	KE9BHI
6. Steve Heltzer	KD9MYC	26. Eric Borkquist	KG8KF
7. JOHN LOUZISKY	K9KFI	27. Walter Sandahl	KE1BGY
8. ANTHONY L. MACIT	AB9IEG	28. Andrew Sandahl	WD9ZAH
9. Bob Paunsows	N9HSD	29. Stacie Sandahl	KE9BGL
10. Alex Frankel	W9LBY	30. Anna Sandahl	KE9BGX
11. Rudy Heyneman	KD9RPD	31. Daniel Sandahl	KB9AOU
12. Loren Larson	N9SEN	32. Joshua Sallendahl	KD9ZGD
13. Dan Schierl	None yet	33. Scott Reynolds	WG9T
14. AND LAYTON	AS9L	34. ROY HINZ	KC9VLP
15. Evan Vandenberg	W9DU	35. Paul Jander	K99504
16. Matthias Geier		36.	
17. Rick Kosiorek	W37IC	37.	
18. Mattai Green	W9KRG	38.	
19. Zachariah Mansmith	KD9TAP	39.	
20. Gene Wall	KE8KWF	40.	

Photos From the FCARC Annual Banquet



Congratulations Jon Oldenburg (AB9AH) on winning the 2024 Ham of the Year.



Photos From the FCARC Annual Banquet (continued)



FCARC Annual Banquet

February 22, 2025

**Holiday's
Appleton, WI**

Hosted by

Mike Moore (WI9MMM)



Saturday, May 10, 2025



SOLE BURNER

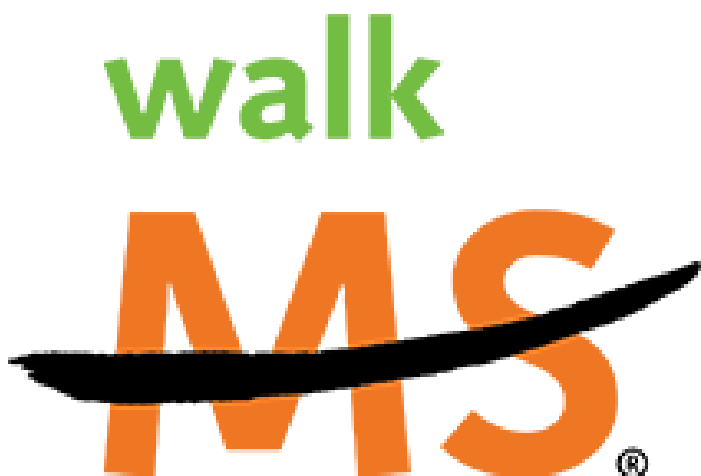
Fighting cancer one mile at a time



Saturday, May 10, 2025

**FCARC Point of Contact
Brian Long (KB9LRD)**

Volunteers are needed to help monitor the race route at key intersections around the southeast side of Appleton, and other duties as required.



Saturday, May 10, 2025

**FCARC Point of Contact
Dave Sprangers (ND9DW)**

Volunteers are needed to help monitor walkers along the route. The walk begins at Neuroscience Field, home of the Appleton Timber Rattlers. The route progresses eastward towards Fox Valley Technical College and then back to Neuroscience Field.

Reprinted from *On the Air Magazine*



A small piece of wood or rigid insulation is easily shaped and notched to make a feed-line pass-through for your mobile installation.

HACK

Mobile Pass-Through Panel

It's always a challenge to figure out how to get a signal from your outdoor antenna to your radio inside the house. The mobile ham faces the same issue. Drilling holes is the usual solution, but that's inconvenient and not always aesthetically pleasing.

An easier solution involves leaving a rear window open a crack and running the cable through, but this option upsets heating and air conditioning systems, admits rain and snow to the interior, and brings the risk of cables flopping around or being pinched by the window.

A better idea is to put a thin strip of wood at the top of the window, with slots for the cables. You'll need a piece of wood (or rigid insulation) that is the thickness of the window glass (usually $\frac{1}{8}$ inch). Cut it about 2 inches wide, and shape it to fit your particular window's profile. On the bottom of the piece of wood, cut slots about $\frac{1}{4}$ inch long — one for each cable you want to run into the vehicle.

Alex Burr, K5XY

HINT

Surface Saver

How many times have you soldered wire ends, terminals, or other components on your workbench and ended up burning the benchtop — or, worse, the expensive electrostatic discharge (ESD) conductive mat that you bought for your benchtop? Ceramic tile offers a simple, inexpensive way to prevent this. Available at building supply stores — or left over from a recent home renovation — ceramic tiles come in a variety of shapes and sizes.

I use a smooth 4 $\frac{1}{2}$ -inch tile left over from my last bathroom renovation, and it works just fine. A tile with an irregular surface might keep parts from sliding. I know a ham who uses a plain concrete brick, which may be a better option if you are using a torch.

Don Dorward, VA3DDN



Before discarding a worn-out drill, remove the chuck and turn it into a handy "third hand."

Using two modified chucks together can be a big help on the workbench.

HACK

Drill Chuck Helping Hand

If your drill dies, consider salvaging the chuck to use as a "third hand" when soldering. I modified the chuck by grinding off the main gear until the surface was flat and the chuck would stand by itself. I bent some wire, soldered alligator clips to the ends, and now I

have an accessory that will hold parts or wires. Two of them are even better! You could even glue the modified chuck to a piece of wood or metal to create a support fixture.

Van Johnson, KH6UX

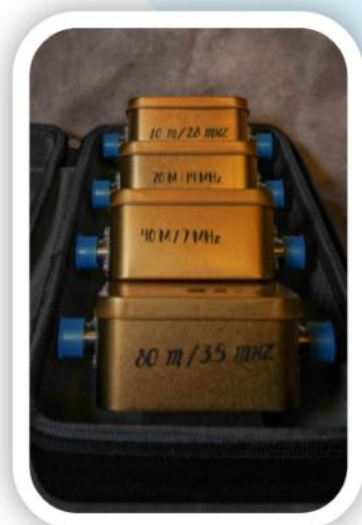
"I bent some wire, soldered alligator clips to the ends, and now I have an accessory that will hold parts or wires. Two of them are even better!"

Looking to prevent unwanted signals
on HF frequencies?

Visit Our Website
Or Find us at a Swapfest.

C3

ELECTRONICS, LLC.



**Our Products are Great for
Field Day, POTA,
or Contesting**



**Bandpass Filters & Mast Stand Holders
Built Locally in Wisconsin!**

C3 Electronics, LLC.

(920) 915-8960

www.c3electronicsllc.com

FCARC Members at Winter Field Day Photos provided by multiple members



Roy Hinz (KC9VLP) operating the club's radio station at Maplewood Middle School.



Mike Esche (W9NUE) and two visitors that stopped by Field Day in Calumet County.



Kyle Van Hoogen (WX9KVH) also attended Field Day in Calumet County. Kyle is operating his portable station which contains an IC-7300, Yeasu FTM 500D, Samlex Power Supply, and a laptop running the N3FJP contesting software.

Ham Purchases I've Never Regretted by Mike Moore (WI9MMM)

I still call myself a “new” ham. I've only had my license for just over 6 years. I've also been involved in club leadership for just over 6 years. How about THEM apples?? You can do it too.

ANYWAY... for those that consider themselves “new” to the hobby, these are some of my ham purchases that I've never regretted – ever.

1. My Baofeng - I purchased the UV-82 as my starter radio. Yes, I got dumb lucky that I selected one of the compliant Baofengs. I even bought a second one. One of them died in my second or third year of being a ham, but by then I was ready to spend the money to get a Yaesu FT-70D. I still have my UV-82 and I bring it to **every** community support event I volunteer at. For the new ham, get the GT-5R. It is the compliant version of the UV-5R and will serve you well.
2. My Antenna Analyzer - This was my first major purchase. I was actually trying to decide between a HF rig and the antenna analyzer. The guy at HRO gave me some great advice. He asked, “What do you really want to do in the hobby?” I want to build stuff. “Buy the antenna analyzer. The HF rig will come, but do what excites you about the hobby now.” I bought the MFJ-259D. While my MFJ was in the shop – because I left it out in the rain – I bought a RigExpert, but my first “go to” is still the MFJ.
3. My Signalink - Many know that I was drawn into the hobby by Winlink. I tried a RaspberryPi Winlink shield. I tried an external sound card that was supposed to work. I finally just bought the Signalink USB and it just worked. Yes, I bought the Yaesu jumper thingy for it and I bought a secondhand FT8900 (still my primary rig) that wound up having a data jack that makes the installation less complicated, but I got on the air doing Winlink. It was why I joined the hobby. This completed the mission. Money well spent.
4. A Good Soldering Station - Okay, so technically NOT just a ham thing, but it made making antennas and other ham related things just so much easier. I bought an X-Tronic after attending a virtual hamfest. They are still about \$55, but one that looks very similar to mine is an Amazon best seller at \$43. It's a game changer for a builder ham.
5. Last, but certainly not least... My Wolf River Coil - I did buy my “kit” a piece at a time. Now I have more pieces than I realized. It is literally the **ONLY** piece of ham gear that is always in the truck – just in case. I may not have a radio, but – dang it – I have my antenna!! I love trying to tune it to perfect SWR. For the new Technician ham, this is a HF loaded coil antenna so you can hold off on buying it – for now.

Continued on the next page.

**(continued from page 14) Ham Purchases I've Never Regretted
by Mike Moore (WI9MMM)**

There are some “toys” that I've also bought that I also love. These are **not** recommended purchases for the new ham. It's just stuff that I wanted.

1. My Byonics MicroFoxes are cool. If you really want one, get the MicroFox 50 (52mW). It can cover the Fox Valley and you can adjust the power output. The Micro-Fox PicCon... is quite powerful (700mW). It's a bullhorn in a small room.

2. My TAPR WSPR transmitter - This thing sits on a RaspberryPi. I got the 20m version. It's been heard by Antarctica and West Africa – on only 47mW and a ham stick antenna on my chain link fence. THAT is pretty cool.

So... welcome to the hobby. I hope that you can be as happy with your purchases of ham gear as I am. Sure, I've bought stuff that I've questioned my sanity – but that's part of the ham journey. One man's trash is another man's treasure. Remember, I was told “Winlink is dead.” Far from it, Old Man. :-)

73,
Mike (WI9MMM)



The image above is an AI generated image of a ham radio operator who just made a great purchase from the local radio parts store.

**Unlocking the Full Potential of Ham Radio with Artificial Intelligence
by Gene Wall (KE8KWF)**

As amateur radio operators, we are always on the lookout for innovative ways to enhance our experience and improve our capabilities. Enter artificial intelligence (AI)—a powerful tool that has the potential to revolutionize our hobby. Here are some of the incredible ways AI can assist ham radio operators. Some of these capabilities are still in development, so watch for them in future purchases of radios and digital components. Just like we learned how to build antennas, we have an emerging opportunity to learn how to integrate AI into our ham shacks.

1. Frequency Management and Spectrum Analysis - AI can significantly optimize the process of frequency management and spectrum analysis. By analyzing vast amounts of data in real-time, AI algorithms can identify clear frequencies, detect interference, and suggest the best operating frequencies. This allows operators to maximize their communication efficiency and avoid crowded or noisy bands.

Continued on the next page.

Unlocking the Full Potential of Ham Radio with Artificial Intelligence by Gene Wall (KE8KWF)

2. **Signal Processing and Noise Reduction** - One of the most challenging aspects of amateur radio is dealing with unwanted noise and weak signals. AI-driven signal processing can help filter out noise and enhance weak signals, making it easier to communicate with distant stations. Advanced noise reduction algorithms can identify and eliminate specific types of interference, resulting in clearer and more reliable communication.
3. **Automatic Transcription and Translation** - AI-powered speech recognition and natural language processing (NLP) technologies can automatically transcribe voice communications into text. This is particularly useful for logging contacts, documenting conversations, and maintaining accurate records. Additionally, AI can translate communications in real-time, enabling operators to connect with hams from around the world, regardless of language barriers. Finally, consider the value of this capability for hams who have hearing impairments.
4. **Remote Station Control** - With the integration of AI and IoT (Internet of Things) technologies, ham radio operators can remotely monitor and control their stations. AI can automate routine tasks such as adjusting antenna positions, switching frequencies, and monitoring equipment health. This not only enhances convenience but also allows operators to manage their stations from anywhere in the world.
5. **Predictive Maintenance and Fault Detection** - AI can analyze data from various sensors and equipment to predict potential issues before they become critical. By identifying patterns and anomalies, AI can alert operators to perform maintenance or repairs, preventing costly downtime and ensuring the smooth operation of radio equipment.
6. **Contesting and Log Management** - AI can assist operators in managing their contest logs and optimizing their contesting strategies. By analyzing past performance data and identifying successful patterns, AI can suggest the best times and frequencies to operate, helping operators improve their contest scores. Additionally, AI-driven log management systems can automatically check for duplicate contacts, validate entries, and generate reports.
7. **Learning and Skill Development** - AI-driven educational tools and virtual mentors can help new operators learn the ropes and improve their skills. By simulating real-world scenarios and providing personalized feedback, AI can offer valuable insights and guidance to operators at all skill levels. This accelerates the learning process and helps operators become more proficient in their craft.
8. **Community Engagement and Collaboration** - AI-powered platforms can facilitate community engagement and collaboration among ham radio operators. By analyzing social media activity, forum discussions, and other online interactions, AI can identify trending topics, popular events, and emerging technologies. This helps operators stay informed and connected with the broader amateur radio community.

In conclusion, the integration of artificial intelligence into the world of ham radio presents exciting opportunities for operators to enhance their capabilities, improve communication efficiency, and stay ahead of the curve. As AI technology continues to evolve, we can expect even more innovative applications that will further enrich our hobby. Embracing AI is not just about keeping up with the times—it's about unlocking the full potential of amateur radio and taking our passion to new heights.

73,
Gene Wall (KE8KWF)

Social Saturday

March 1, 2025

9:00 am

Breakfast tastes better when with the company of a ham operator.

Our next Social Saturday is right around the corner. Enjoy some great conversation, mentorship, and live ragchew, with great food as a bonus.

Golden Corral
1169 North Westhill Blvd.
Appleton, WI 54914



An AI
generated
image of a
breakfast
buffet.

FCARC Club Gear

On sale now at <http://www.ise-repair.com>

Contact Jeff on his website for information on items that you don't see, but would like. He stocks and makes a wide variety of POTA clothing and flags, hats, club shirts, as well as radio covers.



OPTIONAL NAME AND
CALLSIGN SHOWN

OPTIONAL BACK OF
JACKET EMBROIDERY

ISE Custom Embroidery & DTG Printing
Est 2009 Hats - Jackets - Shirts

FCARC welcomes your donations in support of our mission to serve amateur radio. As a 501(c)(3) organization, your donations are tax-deductible. You can go to the FCARC website and click on the "Donate" button.

Donate



Meeting Information

Maplewood Middle School

1600 Midway Road
Menasha, WI

Community Room
Enter thru Door 17
Meetings start at 7:00 PM

GOT QUESTIONS? CALL our Google
Voice Information Phone Number
920-358-0118



If you have an item, rig, QSL card, or anything related to Amateur Radio and want to share it with club members, bring it to the club meeting for **SHOW AND TELL**.

A 2-3 minute section put into the agenda for fellow hams to share items they find useful or promotes Amateur Radio.

Meetings are held on the third Monday of each month. Check the FCARC calendar for details.

The FCARC Board of Directors meets on the second Monday of each month at Maplewood Middle School. Club members are welcome to attend.

The next FCARC General Membership meeting will be on Monday, March 17, 2025.

The meeting starts at 7:00 pm at Maplewood Middle School.



From the guys who brought you misfit coils, Wolf River Coils LLC now has misfit collapsible whips.

102 inch collapsible SS whips \$15.00 or 3 for \$40

213 inch collapsible SS whips \$25.00

Now that Wolf River Coils LLC has incorporated a CNC Milling machine for coil production their supply of misfit coils is dwindling as we no longer create a misfit. So if you ever wanted to purchase a misfit SB1000 or SB Mini now is the time because when they're gone, they're gone.

SB1000 sells for \$20.00 and the SB Mini sells for \$15.00.

Next FCARC Ham Exam March 22, 2025

Registration starts at 8 am and ends at 9 am. Preregistration is encouraged. A government issued picture ID is required along with proof of your current license. Please see the ARRL.org website for license information and other forms of acceptable ID. The application requires a **Federal Registration Number** and a valid **email address**. FRN's can be obtained free of charge on the FCC.gov website in the ULS section.

Details on each testing date will be posted on the FCARC website.

Cell phones must be silenced and put away during exams. Non cell phone calculators are permitted. Programmable calculator memories must be cleared and are subject to examination by a VE. Cost of the exams are set by our VEC, the ARRL, at \$15.

If you fail an exam you may take a different version, time permitting, but you will be charged another \$15. If you are successful you may take the next element during that session with no charge.

If you have any questions concerning FCARC Exams or to preregister contact Rick Kosiorek at (920) 809-1010 or WJ9K.mail@gmail.com

Wisconsin Hamfest Schedule

03/16/2025 - Tri-County WI HamFest 2025

Location: Fort Atkinson, WI

Sponsor: Tri-County Amateur Radio Club

Website: <https://www.W9MQB.org>

04/26/2025 - Madison Hamfest

Location: Stoughton, WI

Sponsor: Madison Area Repeater Association

Website: <https://w9hsy.org>

04/26/2025 - ORC 44th Annual Spring Indoor Swapfest

Location: Cedarburg, WI

Sponsor: Ozaukee Radio Club, Inc.

Website: <https://www.ozaukeeradioclub.org>

05/31/2025 - Green Bay Hamfest

Location: Green Bay, WI

Sponsor: Green Bay Mike & Key Club

Website: www.k9eam.org

09/19/2025 - 09/20/2025 - HRO Milwaukee Superfest

Location: Milwaukee, WI

Sponsor: Ham Radio Outlet

Email: w9tjp@hamradio.com



An AI generated image of two people talking about their ham radio gear.



The Ozaukee Radio Club presents its 45th Annual Spring Indoor
Amateur Radio, Electronics & Computer



SWAPFEST



featuring **TOWER ELECTRONICS!**

Saturday, April 26, 2025
8 AM to 12 PM

Ascension Columbia St. Mary's Center (Milwaukee Curling Club)
 W67N890 Washington Ave., Cedarburg, WI 53012

Talk-in: 146.97 MHz – PL 127.3 Hz

Door Prizes! Free WIFI

Food sold by Cub Scout Pack 516

Admission: \$7.00 at the gate

Children 12 and under FREE, with a paid adult admission

6 ft. Tables: \$12.00 in advance, \$15.00 at the door, if available

Use the Order Form below, email, or call Tom Trethewey, KC9ONY at 262-421-6351

Email: swapfest@ozaukeeradioclub.org

More information: <http://www.ozaukeeradioclub.org/> or <http://www.facebook.com/orcwi>

Save the date for **2026: April 25, 2026 !!**

For Advance Tickets and Tables, send check with a **SASE** (Business-Size #10 envelope) to:
 Tom Trethewey, KC9ONY- W69N905 Evergreen Ct N, #202, Cedarburg, WI 53012-1170

Name: _____

Call sign: _____

Address: _____

Phone number: _____

Email: _____

No. of Tickets: _____ X \$7 = _____ (Advance tickets are double stub)

No. of Tables: _____ X \$12 = _____ Electricity: Yes (Add \$5) _____ No _____

Total Amount: _____ (Please make checks payable to **ORC**)

Tickets and flyers printed by Mequon Copy Master <https://mequoncopymaster.com/>



FCARC Lending Library

Chris Reitz, N9CVR
Head Librarian



The FCARC lending library is a repository of references, equipment, and supplies that club members are willing to loan out to other club members. If you would like to borrow an item from the lending library contact the owner and arrange to borrow the item. If you have something you would like to list in the lending library, contact Chris Reitz (N9CVR) to have your item listed.

Library Catalog

Current As Of 2/23/25

Item	Make	Model	Owner	Notes
Coax / Powerpole crimper			N9CVR	contains all required tools for crimping coax and powerpole ends, except wire stripper for
Power Meter	Diamond	SX-200	KD9UH	
RF Preamp	Ameco	PT-3	KD9UH	
Manual Antenna Tuner	MFJ	MFJ-	KD9UH	
TDR pulse generator	-	-	N9CVR	For Time Domain Reflectometry
TDR potentiometer	-	-	N9CVR	For finding characteristic impedance of TX line. Broken as of 2023.01.29, working on fix-
75m/40m NVIS dipole	-	-	N9CVR	Requires a tree or pole and some open space to deploy
2m/70cm tape meas-			N9CVR	Portable, directional antenna. SO-239 connec-
offset attenuator	KC9ON		N9CVR	for fox hunting
20ft fishing pole			N9CVR	Good for portable installations where trees
misfit 213in whip	Wolf River Coil		N9CVR	Misfit whip - skinniest section doesn't go up (~6in). 3/8"-24 threaded base
Microbit v2 (x2)	BBC	Microbit	N9CVR	USB/Bluetooth Microcontroller with 2.4GHz radio capability and access to library of pro-
Antenna Analyzer	MFJ	208	WI9MM	2m Only Antenna Analyzer
2m mobile radio	Yaesu	FT-1500M	N9CVR	2m / Analog FM / 50W + WX.
Code Practice Oscillator	Pacific Antenna	CPO	N9CVR	From club build day. There are 3 in my household, so feel free to borrow one!



HAM Radio Trivia



Try your luck at answering these HAM trivia questions. The answers are at the bottom.

1. Before SSB (Single Side Band) became widely accepted as an efficient means of vocal transmitting, what famous cartoon character was used by some skeptical hams to describe the 'sound' of SSB transmissions?

A) Minni Mouse B) Daffy Duck C) Sylvester D) Donald Duck

2. Capacitors are classified by their dielectric material true or false.

A) True B) False

3. In what year was the FCC established?

A) 1916 B) 1945 C) 1930 D) 1934

4. All geostationary satellites:

A) Have circular orbits B) Are geosynchronous with an eccentricity of zero
C) Have an inclination of 90 degrees D) Have periods less than a sidereal day

1. D) Donald Duck | 2. A) True | 3. D) 1934 | 4. B) Are geosynchronous with an eccentricity of zero

February 2025 Ham Crossword

by Chris Codella, W2PA

Pins

Across

1. Tube connection*
5. Close-knit group
10. Tube conn.*
14. Verdi opera
15. Ten-Tec rig
16. Ten-Tec rig
17. After-bath powder
18. Kazakhstan prefix
19. Bushel quarter
20. With 53 across, describes the * words
22. Analyze syntactically
23. Window alternative
24. ARRL org. pertaining to SS, others
25. Beast of burden
28. Turner of TV channels
29. Platform on a ship's mast (a place for a /MM antenna?)
33. Odwalla fruit and ____

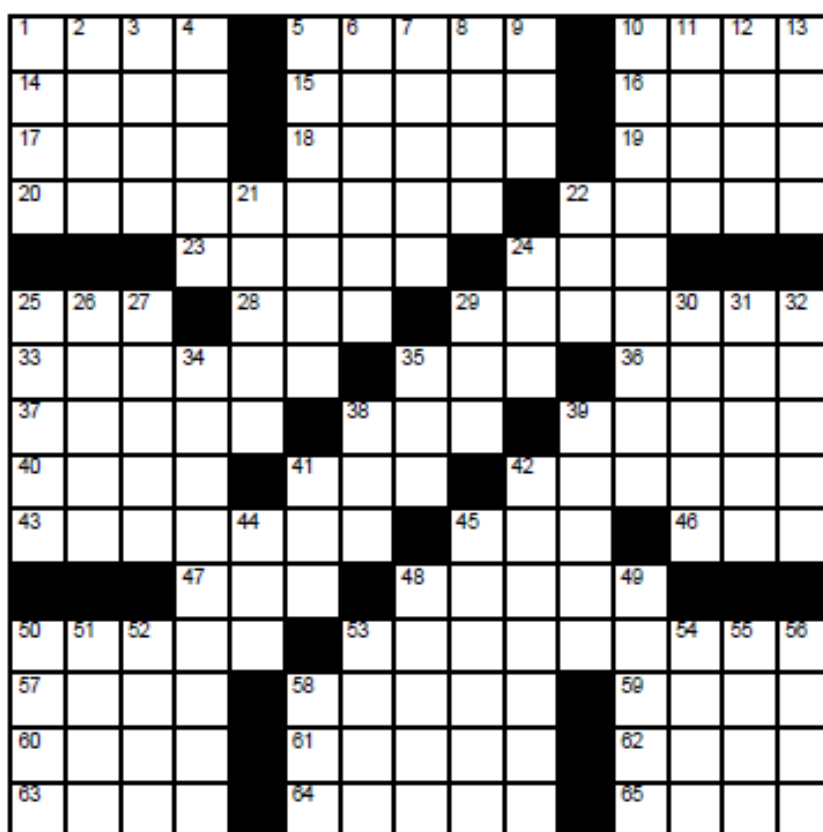
35. Not brilliant
36. Best kind of tower
37. New England net
38. Transistor conn.*
39. Singer Ronstadt
40. UA assembly
41. Cutter
42. Digital mode
43. Delta follower
45. YLRL non-member
46. "____ we having fun yet?"
47. Caller for calls
48. T8 land
50. RG8 ground
53. See 20 across
57. CW
58. Thorny
59. 7800 maker

60. H.S. tests
61. Cycle user
62. Put one's foot down?
63. Transistor conn.*
64. TI land first name
65. D.C. group

Down

1. Tube or Transistor connection*
2. EP coin
3. Like some chatter
4. S2 capital, old-style
5. Swift horse
6. Noted traitor
7. Device with only a 25 down and 10 across
8. Recent UA prefix, especially, e.g. M-V Is.
9. W1 dir. from W7
10. Just fine
11. Part of ARRL (abbr.)
12. Ckts. for 42 across use
13. Go backpacking
21. Ten-Tec amplifier
22. Golfer's goal
24. Computer port type
25. Tube connection*
26. Gray line time
27. Flower towers
29. Tube conn.*
30. JA poem
31. OOTC member, to an OTC member, probably
32. Tube connection*
34. Smartest
35. Jones' partner
38. Plains states NTS org
39. KH6 porch

41. The only CW most people know
42. KH5 land
44. CRT successor
45. OJ0 reef
48. What output power does, in resonance
49. Ohms, volts, and others
50. Transistor connection*
51. Drift
52. Prefix with VOX
53. Kenwood, once
54. Antenna farm unit
55. "Crazy" bird
56. Tiny parts
58. Big G SW org.



Elmer's Contact List

This is a listing of HAMS who are willing to help other HAMS out in special areas. Feel free to contact these fellow HAMS with any questions.

Call / Name	Specialty Area	Phone
N9LVS - Dan	FCC Personal Data Changes	205-4899
WA9TT- Larry	SSTV (analog)	915-4499
N9AOT -Terry	Wires X / Digital	572-2937
KB9AIT - Gary	Wires X	
KC9YL- Anne	CW	682-7978
W1GCS - Greg	Net Control Operators	740-9408
WJ9K - Rick	Getting on the Air	809-1010
KG9JP - KC	Contesting	602-999-7341

If you are interested in helping other hams and being an Elmer please contact a board member.

Logging Software For Your Shack

N3FJP

<http://www.n3fjp.com/>

N1MM Logger

<https://n1mmwp.hamdocs.com/>

WriteLog

<https://writelog.com/>

TR Log

<http://www.trlog.com>

WinTest

<http://www.win-test.com/>

SI by EI5DI

<http://www.ei5di.com/>

DX Keeper

<http://www.dxlabsuite.com/dxkeeper/>

FCARC Repeaters

Frequency	Offset	Tone	Remarks
145.330	- 0.600 MHz	100.0	System Fusion
146.760	-.600 MHz	100.0	
146.760	-.600 MHz	107.2	This is a receiver station at Oneida Heights.
443.650	+5.000 MHz	100.0	

FCARC Member Repeaters

Frequency	Offset	Tone	Remarks
224.500	-1.6 MHz	100.0	

FCARC Nets

Net Name	Frequency	Schedule and Extra Information
2-Meter	146.760	Wednesdays at 8:00 pm. Contact John (KC9TFM) if you can be a net control operator.
2-Meter Digital	145.330	First Tuesday of the month at 8:00 pm. You can also use the FCARC's Fusion Room 40216, the W9ZL room. Contact Terry (N9AOT) if you can be a net control operator.
2-Meter SSTV	146.760	Second Sunday of the month at 6:00 pm. Contact Larry (WA9TT) if you can be a net control operator.
222	224.500	2nd Tuesday of the month. Contact Dave (KB9RPH) if you can be a net control operator.
6-Meter	52.550	Third Tuesday of the month. Contact Larry (WA9TT) if you can help be a net control operator.
Morning Coffee Klatch	146.760	Monday, Wednesday, Friday at 9:30 am.

FCARC Club Calendar

March 2025

- 1 - Social Saturday & Fox Hunt
- 2 - SSTV 2 Meter Net 6 pm (KB9YUC)
- 4 - 2 meter digital net 8 pm
- 5 - 2 meter net 8 pm (WA9TT)
- 9 - Wisconsin QSO Party**
- 10 - Board of Directors meeting 7 pm
- 11 - 220 Mhz Monthly Net 8 pm
- 12 - 2 meter net 8 pm (WI9MMM)
- 17 - General Membership Meeting 7 pm
- 17 - St. Patrick's Day
- 18 - 6 meter net 8 pm (KB9AIT)
- 19 - 2 meter net 8 pm (KC9THF)
- 22 - Amateur Radio License Exam
- 26 - 2 meter net 8 pm (W9SJO)

April 2025

- 1 - 2 meter digital net 8 pm
- 2 - 2 meter net 8 pm (AJ9L)
- 5 - Social Saturday & Fox Hunt
- 8 - 220 Mhz Monthly Net 8 pm
- 9 - 2 meter net 8 pm (KE8KWF)
- 13 - 2 meter SSTV net 6 pm (WI9MMM)
- 14 - Board of Directors meeting 7 pm
- 15 - Tax Day
- 16 - 2 meter net 8 pm (WI4WD)
- 20 - Easter Sunday
- 21 - General Membership Meeting 7 pm
- 22 - 6 meter net 8 pm (AJ9L)
- 23 - 2 meter net 8 pm (KC9TFM)
- 30 - 2 meter net 8 pm (WA9TT)

May 2025

- 3 - Social Saturday & Fox Hunt
- 6 - 2 meter digital net 8 pm
- 7 - 2 meter net 8 pm (WI9MMM)
- 10 - Sole Burner**
- 10 - Walk MS**
- 11 - Mother's Day
- 11 - 2 meter SSTV net 6 pm (WA9TT)
- 12 - Board of Directors meeting 7 pm
- 13 - 220 Mhz Monthly Net 8 pm
- 14 - 2 meter net 8 pm (KC9THF)
- 16 - 18 - Hamvention
- 19 - General Membership Meeting 7 pm
- 20 - 6 meter net 8 pm (WA9TT)
- 21 - 2 meter net 8 pm (W9SJO)
- 26 - Memorial Day
- 28 - 2 meter net 8 pm (AJ9L)

June 2025

- 3 - 2 meter digital net 8 pm
- 4 - 2 meter net 8 pm (KE8KWF)
- 7 - Social Saturday & Fox Hunt
- 7 - Amateur Radio License Exam
- 8 - 2 meter SSTV net 6 pm (WA9TT)
- 9 - Board of Directors meeting 7 pm
- 10 - 220 Mhz Monthly Net 8 pm
- 11 - 2 meter net 8 pm (WI4WD)
- 14 - Flag Day Parade
- 15 - Father's Day
- 16 - General Membership Meeting 7 pm
- 17 - 6 meter net 8 pm (AJ9L)
- 18 - 2 meter net 8 pm (KC9TFM)
- 19 - Juneteenth
- 25 - 2 meter net 8 pm (WA9TT)
- 28 - Field Day
- 29 - Field Day

July 2025

- 1 - 2 meter digital net 8 pm
- 2 - 2 meter net 8 pm (WI9MMM)
- 4 - CommunityFest
- 5 - Social Saturday & Fox Hunt
- 8 - 220 Mhz Monthly Net 8 pm
- 9 - 2 meter net 8 pm (KC9THF)
- 13 - 2 meter SSTV net 6 pm (KB9YUC)
- 14 - Board of Directors meeting 7 pm
- 16 - 2 meter net 8 pm (W9SJO)
- 19 - Amateur Radio License Exam
- 21 - 27 - EAA Airventure
- 21 - General Membership Meeting 7 pm
- 22 - 6 meter net 8 pm (KC9THF)
- 23 - 2 meter net 8 pm (AJ9L)
- 30 - 2 meter net 8 pm (KE8KWF)

August 2025

- 2 - Social Saturday
- 5 - 2 meter digital net 8 pm
- 6 - 2 meter net 8 pm (WI4WD)
- 10 - 2 meter SSTV net 6 pm (WI9MMM)
- 11 - Board of Directors meeting 7 pm
- 12 - 220 Mhz Monthly Net 8 pm
- 13 - 2 meter net 8 pm (WA9TT)
- 19 - 6 meter net 8 pm (WA9TT)
- 20 - 2 meter net 8 pm (KC9TFM)
- 23 - FCARC Picnic - 11 am
- 27 - 2 meter net 8 pm (WI9MMM)

Crossword Solution From Page 25

G	R	I	D		C	A	D	R	E		C	A	T	H
A	I	D	A		O	R	I	O	N		O	M	N	I
T	A	L	C		U	N	O	N	E		P	E	C	K
E	L	E	C	T	R	O	D	E		P	A	R	S	E
			A	I	S	L	E		C	A	C			
A	S	S		T	E	D		F	O	R	E	T	O	P
N	U	T	B	A	R		D	I	M		T	A	L	L
O	N	E	R	N		C	O	L		L	I	N	D	A
D	U	M	A		S	A	W		P	A	C	K	E	T
E	P	S	I	L	O	N		M	A	N		A	R	E
			N	C	S		P	A	L	A	U			
B	R	A	I	D		T	E	R	M	I	N	A	L	S
A	O	N	E		B	R	A	K	Y		I	C	O	M
S	A	T	S		B	I	K	E	R		T	R	O	D
E	M	I	T		C	O	S	T	A		S	E	N	S

Submit your ideas for content, contributions, or items for sale for future editions of QSO'er to Gene Wall (KE8KWF) at ke8kwf@gmail.com. There are no special formatting requirements. All ideas are welcome. Together we can make our newsletter a useful addition to your shack.



FOX CITIES AMATEUR RADIO CLUB, INC.

FCARC, PO Box 2346, Appleton, WI 54912
920-415-2ham (2426) - www.fcarc.club - fcarcw9zl@gmail.com

Membership Application

Date _____ ☐ New member ☐ Renewal
☐ Full / Associate / Retired ☐ Student
 Call Sign _____ License Class _____ ARRL Member? ☐ Yes ☐ No
 Name _____ Phone _____
 Address _____
 City _____ State _____ ZIP _____
 Email _____

\$20.00 _____ Full, Associate (non ham), Retired
 \$10.00 _____ Student School _____
 Free _____ New Ham (FCARC VE certificate required)
 \$5.00 each _____ Additional Family Members
 _____ Donation (Optional)
 Total _____

My Family Member is Joining or Renewing:

☐ New member ☐ Renewal
 Call Sign _____ License Class _____ ARRL Member? ☐ Yes ☐ No
 Name _____ Phone _____
 Email _____

☐ New member ☐ Renewal
 Call Sign _____ License Class _____ ARRL Member? ☐ Yes ☐ No
 Name _____ Phone _____
 Email _____

Note: Family members must reside at the same address

Note: Please see the treasurer for an ARRL dues form. Our club will receive a portion of those dues if you sign up or renew through us.

Fox Cities Amateur Radio Club, Inc. is a 501(c)3 non-profit corporation.
 Your contribution supports our community service and public safety activities.
 All donations are tax-deductible to the fullest extent of the law. Please consult your tax advisor.

Treasurer Use:

Amount Paid \$ _____
 Check # or method of payment _____
 Paid through 12/31/ _____
 Date Deposited _____

QuickBooks Updated _____
 Website Updated _____
 HamClubOnline Updated _____