

QSO'er

Volume 39, Issue 4
July 2025



QSO'er

July 2025 | Volume 39 Issue 4

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

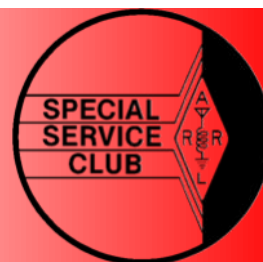
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QSO'er



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— Karen Thorne (WB9ZNA)
Technical Director— Larry Peterson (WA9TT)

Members At Large

Rudy Reynebeau (KD9RPW)
Rod Roller (K6ROD)
Evan Vandenlangenberg (N9DU)

On the cover: Wayne Mueller (W1QC) works the 20-meter band during the 2025 Field Day. Wayne successfully made well over a dozen contacts in a short period of time. Field day was once again conducted in the parking lot of the Bay Lakes Council - Boy Scouts of America headquarters off of Prospect Avenue in Appleton.

Message From the Editor

The Busy Months of Summer

By Gene Wall (KE8KWF)
FCARC Secretary and QSO'er Editor

In the last edition of QSO'er I walked readers through the extensive list of opportunities to volunteer in club activities. We still have a few more activities before the summer is over in case you missed out on any of the great opportunities to put your ham radio skills to work.



This month's edition showcases a few of the activities that our club supported. I appreciate all of the photos that people took and shared with me so I can tell the club's story. If you are doing anything ham radio related, feel free to share photos with me, even if it is not a major activity. A picture of a project might be the inspiration for others to learn more about our hobby.

Enjoy this month's edition. Don't forget, I'm always open to guest contributors. Don't worry about formatting, content, etc. I'll edit as necessary and get your words in print. Simply email me your ideas, rough drafts, pictures, and diagrams, and we'll work together on the final product.

73,
Gene (KE8KWF)



June Sunshine Swapfest Photo Recap

The FCARC Sunshine Swapfest for 2025 is in the book and it can be considered a resounding success. The venue for the swapfest was the Sunnyview Expo Center parking lot in Oshkosh. The club would like to thank the volunteers, vendors, and everyone who came out to shop for supporting this event and the FCARC. The club would especially like to thank Carol Young (W9PIO) for organizing this years event. We could not have done it without you!



June 2025 Sunshine Swapfest Photo Recap (continued)



June 2025 Sunshine Swapfest Photo Recap (continued)



June 2025 Sunshine Swapfest Photo Recap (continued)



June 2025 Sunshine Swapfest Photo Recap (continued)



FCARC 2025 CLUB DUES

It is never too late to pay your 2025 dues. You can make your payment on our club website, via mail, or at our next general membership meeting. Your dues help maintain our repeaters, add new capabilities for club members to use, and upgrade existing club equipment.

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.

Shack of the Month Chris Reitz (N9CVR)

The centerpiece of Chris' setup is his Yeasu FT-991, pictured at the center of the desk, under the monitors. He has Internet and Web SDR software running on the laptop. Under the laptop, coming out of the wall are two cables; this is a custom wall plate for coax connected to a 40m off-center fed dipole, and a 2m/70cm antenna. The beige backpack is his go-kit. On the right side of the desk he has his HT with a spare battery in the charger. The beige Pelican case is mini-test equipment. His cables are neatly organized in raceways along the back of his desk (the slotted gray plastic container under the right monitor). The desk height is adjustable for use while standing or sitting, and with a variety of sized chairs.



June FCARC General Membership Minutes

By: Gene Wall, KE9KWF

FCARC General Membership

Meeting Minutes

June 16, 2025

Per the organization bylaws, a quorum was achieved. There was a quorum with a total number of 42 in attendance. Mike Moore (WI9MMM) called the meeting to order at 7:04 pm. Roll call was taken by all members in attendance.

The minutes from the last meeting were approved as published in the last newsletter.

The *Elmer of the Evening* was Tony Mach, AB9IO.

Committee Reports

Secretary – Gene Wall (KE8KWF) – Gene requested everyone to send in photos of all of the upcoming events for the newsletter to solidify this in history.

Treasurer – Donna Mendyke (KC9THF) – Donna provided an update on the account balance in the accounts.

Membership Coordinator – Karen Thorne (WB9ZNA) – Nothing significant to report.

Technical Director – Larry Peterson (WA9TT) – The technical tip of the evening was on the topic of noise squelch. Larry demonstrated what squelch is and described when you want squelch open. For example, a time that you want the squelch open is during the monthly fox hunt. The next event is when you are working on 6 meters. Additionally, you want open squelch is when you are running an APRS iGate. Finally, when you are contesting with weak signals, open squelch will help work weak signals. A member also brought up the idea that you want open squelch when working satellites.

Members at Large – If you have an idea for a program that you can give or would like to see, please speak to Evan Vandenlangenberg (N9DU), Rudy Reynebeau (KD9RPW) or Rod Roller (K6ROD).

Special Committees

Repeater Committee – Andy Lawton (AJ9L) – Nothing significant to report.

Website Committee – Dave Sprangers (ND9DW) – Nothing significant to report.

License testing – Rick Kosiorek (WJ9K) – The next testing will be on July 19, 2025. The location is Fox Valley Technical College. North parking lot, door 15, room A160. Registration is from 8:00 – 9:00 am

Public Information – Carol Young (W9PIO) – Carol is advertising the hamfest on QRZ.com and local bulletin boards.

Special Business

1. Name tag idea was from Paul Zuiker, KA9GOU – Paul recommended that we consider name tags for meetings. Mike brought name tags for the group.

New Business

No new business was brought forward to discuss.

Old Business:

Sunshine Hamfest, June 21st – Carol Young, W9PIO – Carol gave a presentation on her marketing strategy for the upcoming Sunshine Hamfest. She also gave the committee members for the fall hamfest advance notice that she will reach out to everyone to make sure that they are on track with their roles and responsibilities.

ARRL Field Day, June 28-29 – See the comments below from the evening presentation on the same topic.

CommunityFest, July 4th – Tim Hale, KC9FSH – Tim can use some additional help with this event. Reach out if you can donate any time and/or talent for this event.

Camp Like It's 1912, July 8th – Larry Peterson, WA9TT - Larry, Donna Mendyke, and Mike Moore will assist with this event. There will be several other operators to talk with the Girl Scouts on the air. Larry's primary topic for the girls will be Morse Code.

June FCARC General Membership Minutes (continued)

EAA, July 21-28 – Jon Oldenburg, AB9AH - sign ups are still open for this event.

FCARC Picnic, August 23rd – Mike Moore, WI9MMM – Mike announced that the club will provide the meats and the corn once again. We will hold the picnic at Sunset Park in Kimberly, Pavilion #1. Bring a dish to pass. We will do a Fox Hunt once again.

WIPOTA, September 20th – Larry Peterson, WA9TT – Larry encouraged participation from the club members.

Flag Day Parade, June 14th – Larry Peterson, WA9TT – Larry reported that there were 11 hams that were part of the Flag Day group this year. Some fun facts about our participation in this parade was that our first entry into this parade was in 2018, however, when you subtract out 2020 for COVID, this was our 7th time in the parade.

Technical Questions/Topic – None

Show and Tell –

1. None this evening.

Program – Field Day, Mike Moore, WI9MMM – Mike played an ARRL video promoting Field Day. He provided a presentation that described how our club will be set up at the Boy Scouts of America location, an overview of the categories associated with each setup, and some of our club needs to make this event successful.

Adjourn at 8:20 pm

Minutes Prepared by-
Gene Wall (KE8KWF)

Reviewed by-
Mike Moore (WI9MMM)

**** The June 2025 meeting sign in roster is found on page 34.**



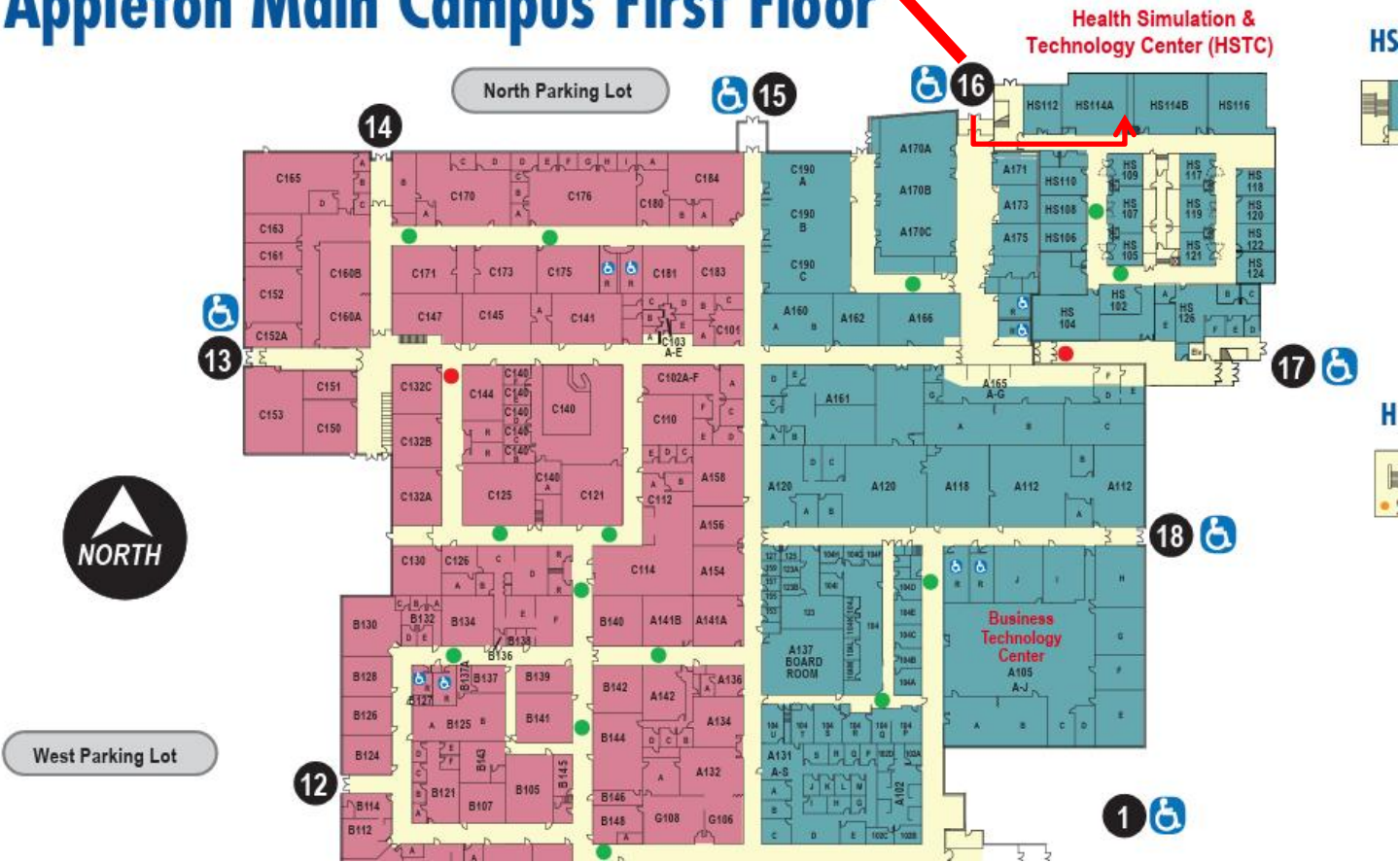
We are having the July General Membership meetings at

Fox Valley Technical College
Room HS114
Use Entrance 16

See the next page for maps on where to park and enter the building.



Appleton Main Campus First Floor



Fox Valley Technical College Electronics Lab Tour

Photos courtesy of Mike Miller (KD9QHQ)

Following the June 2025 General Membership Meeting, Chris Reitz (N9CVR) offered attendees a tour of the electronics labs at Fox Valley Technical College where he teaches. The following photos illustrate some of the state of the art equipment that his students work with. The club is grateful to Chris, and Fox Valley Technical College, for allowing the club to meet in their facilities and provide the club a place to call home.



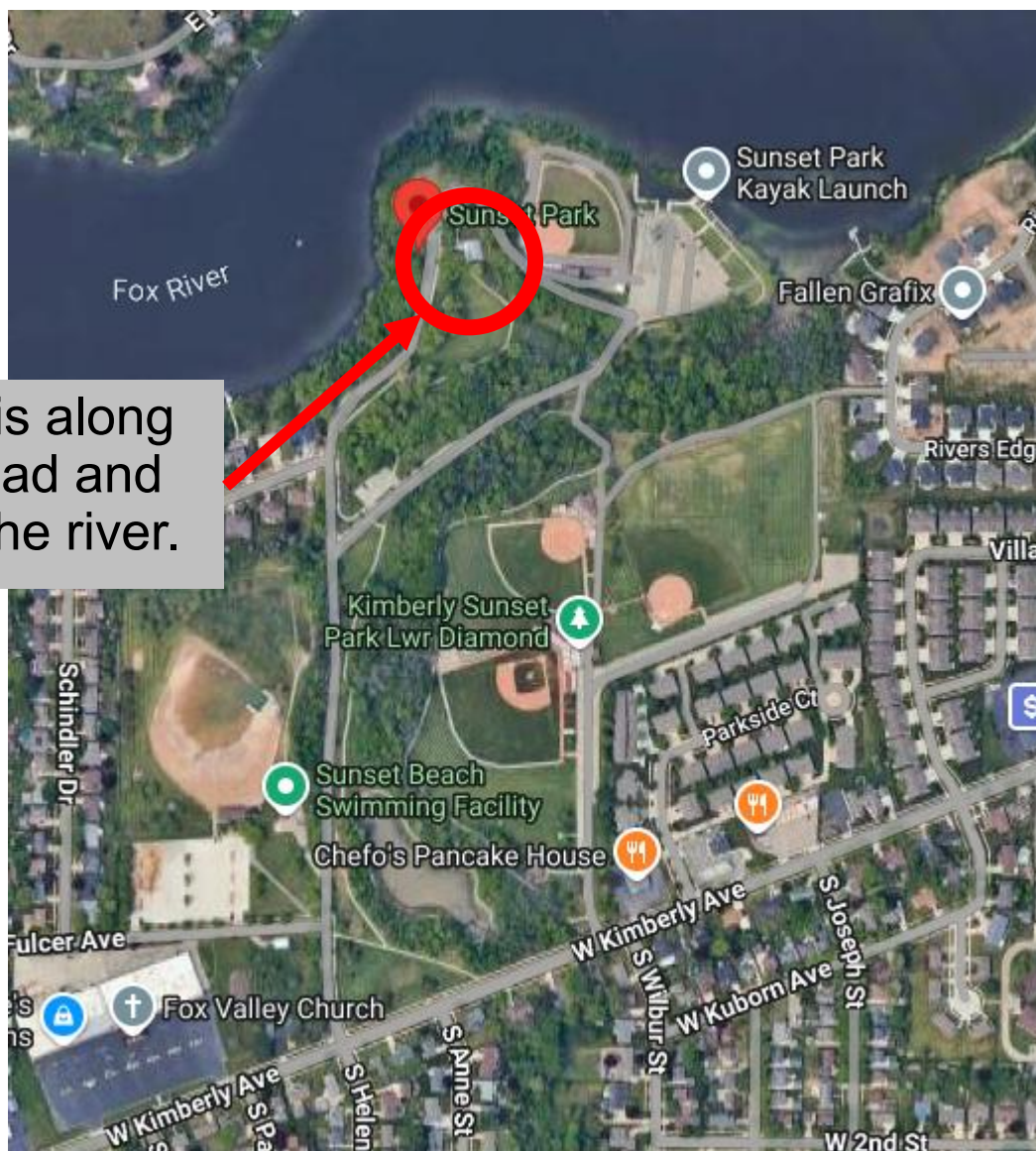
2025 FCARC Corn Roast

Saturday, August 23, 2025

Sunset Park, Kimberly
Pavilion #1
11:00 am - 2:00 pm



Your whole family is welcome! Bring a dish to pass. The club will provide the meats and corn on the cob. There will be a fox hunt in the park.



Pavillion 1 is along the main road and overlooks the river.



2025 HAMFEST

NEW VENUE LOCATION! Sunnyview Expo Center

Presented by: Fox Cities Amateur Radio Club W9ZL
(FCARC)

An ARRL Special Service Club

Talk-In on the wide area **146.76 pl 100** repeater



Sunday

November 2, 2025



Time

08.00 AM - 1:00 PM



500 E. County Rd Y

Just off Interstate 41 at Hwy 76 Exit

Oshkosh, WI 54901

ADMISSION:

In Advance: **\$6** per ticket

AT DOOR: **\$8** per ticket

VE TESTING

Testing Begins at
8:30 am

RAFFLE PRIZES

Raffle Drawings at Noon!
Over \$1700 worth of prizes!

FOOD & BEVERAGES

PRESENTATIONS

Don't Forget! Purchase Tickets and/or Tables!

Tables

\$15 Each

Purchase in Advance

VISIT: <https://www.fcarc.club/hamfest.php>

And ORDER ONLINE TODAY!

- Vendors will be admitted at 6:00 AM
- Vendors-only loading zone on North side
- General Admission and Sales begin at 8:00 AM

To Reserve a Table or Get Information:

Contact: Carol Young, Hamfest Chairperson



920-915-8960



W9PIO2024@gmail.com

Directions from Green Bay

- Take I41 South
- Take Exit 124 (Hwy 76/Jackson St)
- Take a left onto Hwy 76/Jackson St and go south 1 mile to the first stop light (County Road Y)
- Take a left onto County Road Y and go about a 1/4-mile

Directions from Milwaukee

- Take I41/ Hwy 45 North
 - Take exit 124 (Hwy 76/Jackson St)
 - Take a right onto Hwy 76/Jackson St and go south 1 mile to the first stop light (County Road Y)
 - Take a left onto County Road Y and go about a 1/4-mile
- Sunnyview Expo Center is on your left

HamThings)))

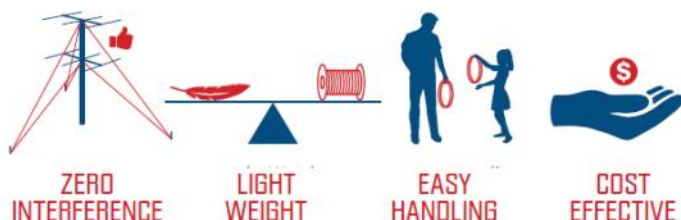


HamThings is owned by club member Chris N9CVR. We sell Fuse Blocks and VHF/UHF antennas.

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



WHY GUY WITH SYNTHETIC ROPES?



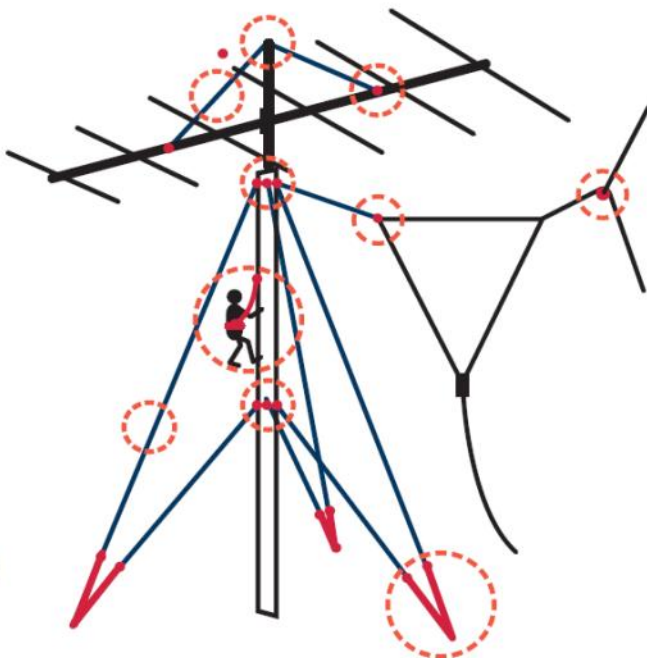
WHY MASTRANT?

- DESIGNED FOR GUYING
- UV RESISTANCE • HIGH STRENGTH
- LOW ELONGATION - NO STRETCH • WEATHER DURABILITY • WIDE RANGE OF ACCESSORIES AND "MUST HAVES" FOR ANTENNA WORK

HOW?

- CHOOSE APPROPRIATE GUYROPE
- CALCULATE LENGTHS
- THINK ABOUT IT • DO IT
- REGULARLY CHECK IT

WHERE WE CAN SUPPORT YOU



WE WOULD BE DELIGHTED TO SUPPORT YOU WITH YOUR FUTURE PROJECTS.
DON'T HESITATE TO ASK US AT [INFO@MASTRANT.COM](mailto:info@mastrant.com)

WWW.MASTRANT.COM - Distributors on the web

Mastrant donated \$100 worth of gift cards to the FCARC hamfest. Thank you Mastrant!



A proud sponsor of the FCARC Hamfest! Thank you Radioddity!

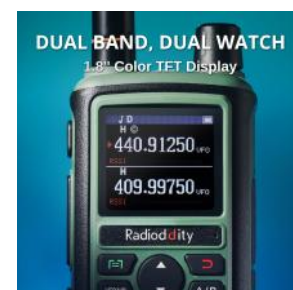
Radioddity is sponsoring two radios for the FCARC hamfest



The Radioddity GA-510 is a 10W, dual band radio with both UHF and VHF modes. You can set 2 frequencies or channels on the same screen and receive 2 signals at the same time.



With GC-5 amateur radio, you can communicate with both UHF and VHF dual bands. Stay informed with NOAA weather channels and FM reception. Switch between 12.5K or 25K wide band/narrow band for enhanced communication options. With 999 memory channels, never miss a beat.



Shop Radioddity by
scanning the QR code to the right
or navigating in your browser to

<https://bit.ly/hamfest25>





Fall Hamfest Volunteers Needed

This fall, the FCARC is preparing to host one our largest hamfests ever! We have sponsors lined up to offer hundreds of dollars in free prizes. We may even see a few vendors that you only find at some of the biggest hamfests in America! But this type of event does not come together on its own. We need everyone's help to make this event a huge success.

Volunteers are needed in the following areas:

- Setup/Takedown
- Advertising/Publication
- Ticket Sales
- Presentations/Forums
- Kitchen/Food Area
- Admissions/Raffle



If you can donate even just a few hours to help in any one of these areas, please consider volunteering to help. To sign up, visit the volunteer registration form at:

<https://bit.ly/2025hamfest>

Or scan the QR code to the right



You may also contact the Hamfest chairperson directly with questions or to volunteer for any one of the many duties that are required.

Carol Young (W9PIO)
(920) 915-8960
w9pio2024@gmail.com



FCARC Supports Local Girl Scouts by Larry Peterson (WA9TT)

On July 8, 2025, members of the FCARC met at Camp Winnecomac in Kaukauna with area Girl Scouts. Their theme was "Camp like it's 1912". 1912 is when the Girl Scouts were organized in the US.

It was a long, productive, rewarding day. We met with 31 Girl Scouts, grades 1 thru 5, for several 30-minute sessions in groups of 2-4 girls.

I started each session talking about the Titanic. It also sank in 1912. Without radio and Morse Code calls of CQD by two young radio operators on the ship, no one would have survived. But thanks to radio and the Carpathia which was in the general area and answered the distress call, they were able to save 705 souls.

Next, using their newly learned knowledge of Morse Code, we had the girls type out their name with Morse Code key oscillators.

After learning about Morse Code, they met with Donna (KC9THF) who did a marvelous job of working with the girls to get them on the 146.76 repeater.

There was not a bit of dead air as club members regularly re-

- | | | |
|-----------------|----------------|-----------------|
| • Gene (KE8KWF) | • Andy (AJ9L) | • Mike (KE9AEJ) |
| • Mike (KD9ZTP) | • Alex (W9LEX) | • Rick (KD9OVA) |
| • Carol (W9PIO) | • Rod (K6ROD) | • Roy (KC9VLP) |
| | | • Anna (KE9BGX) |

sponded to Donna's CQ and talked with the girls. Your role at home was vital to the day's success. Thanks goes out to the following club members for supporting this event by providing operators to talk with:



girl scouts 
of the northwestern
great lakes

Reprinted from “On the Air” Magazine

Portable Ground Plane for Your Mag-Mount Antenna

Many hams use magnetic mount antennas in their attics, or at public service events to replace a flexible antenna, often using a pizza pan as a ground plane. But is that pan 1 meter in diameter, to provide the proper ground plane?

After building a 2-meter ground plane antenna, I realized that four radials are sufficient, and you don't need the rest of the pizza pan! I found a steel can lid an inch larger than the 4-inch-diameter base of my mag-mount antenna. The lid's center should be flat, without ridges, because the magnet has to capacitively couple to the ground plane. I soldered four ½-meter #20 AWG solid copper radials to the edge every 90 degrees, cutting opposing radials equally to be 1 meter across. If used on a supporting surface, smaller or stranded wire would do. Otherwise, use #20 AWG solid or larger for free-standing applications.

The radials are flexible enough to bend for “pack and go,” and then reshape for use. Try bending the radials down 45 degrees to tune, as with a ground-plane antenna.

Kenneth Yee, K3YEE





ARRL Offers Free Associate Membership for Students

ARRL's no-cost Associate membership option is available to full-time students aged 21 years or younger (proof of age required). Applicant must be a resident of the US, its possessions, or Puerto Rico. Free Student Membership excludes access to the ARRL E-mail Forwarding Service, and Associate members may not vote in ARRL elections. Other restrictions and exclusions may apply. A Full Student Membership is available as well, for \$30. See arrl.org/membership#student for more information.



5K Run/ Walk Saturday September 27, 2025, 8:30AM
Curtis Reed Square

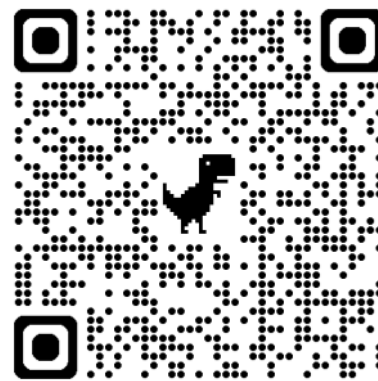
The FCARC has once again been asked to assist with this year's Grunski Runski, a fundraiser for the Menasha Parks and Recreation Department. Operators should plan on meeting around 7:00 for pre-event coordination. The closest stations start to secure around 9:30 am, with the end of the support at approximately 10:30 am.

This is an excellent event for new operators who are interested in supporting the community but are nervous about getting started. Training will be provided for new hams to prepare them for this event.

If you can offer a few hours to support our community, scan the QR code and fill out the form, or use the link below:

bit.ly/runski_radio

If you have any questions, please contact Gene Wall (KE8KWF) via email, phone, or text (920-939-0160).



2025 Field Day Photo Recap





\$5,000 in Raffle Prizes

Here is a partial list of some of the Great Prizes we will be drawing names for at Noon on Sunday, November 2nd, 2025.

GRAND PRIZES

- ☐ Yaesu FT-710 Field 100W
- ☐ Yaesu FTM-510
- ☐ Bioenno 20aH Battery w/charger
- ☐ Bioenno 20aH Battery w/charger
- ☐ Bioenno 15aH Battery w/charger
- ☐ Bioenno 15aH Battery w/charger
- ☐ C3 Electronics POTA Package
 - Four Bandpass Filters
 - 4:1 Balun
 - C₃ Electronics Standard Aluminum Mast Stand
- ☐ Wolf River Coils Products
 - Two 213" Wolf River Coil Whips
 - Two Sporty Forty Coils
 - C₃ Electronics Drive-On Mast Stand Holder
 - 25 Ft Telescoping Flagpole

Raffle Basket #1

- Wolf River Coils 213" Whip
- DX Engineering \$50 Gift Certificate
- "Pass Your Amateur Radio Technician Class Test" by Craig Buck
- Mastrant \$10 Gift Certificate
- Heli T-Shirt



Raffle Basket #2

- Wolf River Coils 213" Whip
- Ammoloq Wire Winders
- "Pass Your Amateur Radio General Class Test" by Craig Buck
- Mastrant \$20 Gift Certificate



Raffle Basket #3

- Radioddy GA-510 | 10W | Dual Band
- \$25 R&L Gift Certificate
- "How to Get on HF The Easy Way" by Craig Buck
- Heli Ham Radio Handbook
- Mastrant \$10 Gift Certificate



Raffle Basket #4

- Wolf River Coils Sporty Forty
- TID Radio TD-80 Ham Radio
- "Pass Your Amateur Radio Extra Class Test" by Craig Buck
- Ammoloq Wire Winders
- Mastrant \$20 Gift Certificate



Make sure to get your tickets!

\$2 Each or 3 for \$5

Put Your Ticket in the Bucket for GRAND Prizes
or

Choose a Basket to put your Ticket Stub in for
Basket Prize Chances



Raffle Basket #5

- Radioddy GC-5 Dual Band Radio
- Heli T-Shirt
- "How to Chase, Work, and Confirm DX" by Craig Buck
- Ammoloq Wire Winders
- Mastrant \$10 Gift Certificate



Raffle Basket #6

- C3 Electronics 17M Bandpass Filter
- Heli T-Shirt
- "Prepper Communications" by Craig Buck
- Cable Experts SO-239 Connectors (24 pk)

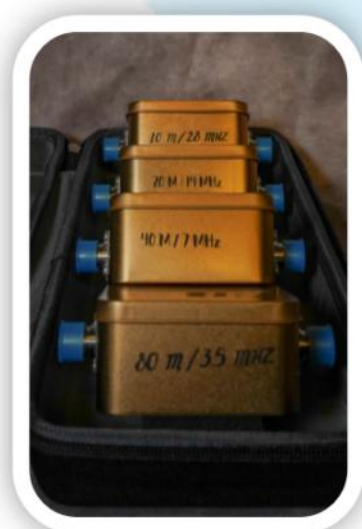


Looking to prevent unwanted signals
on HF frequencies?

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

Social Saturday

August 2, 2025
9:00 am

Breakfast is not just for those hours between 4 am and 8 am. You can eat breakfast at 9 am too!

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



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
Hats - Jackets - Shirts
Est 2009

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



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.

Meeting Information

Fox Valley Tech College

1825 N Bluemound Dr
Appleton, WI

Classroom HS114

Enter at door 16 (north side)
Meetings start at 7:00 PM

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 Fox Valley Tech in room B128. Park and enter entrance 12 on the west side of the building. Club members are welcome to attend.



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.



Wolf River Coils will be for sale. If anyone in the club is interested in taking over our business, contact Terry (N9AOT) at 920-572-2937.

If no one is interested sometime this year, Terry and Gary will work with potential buyers out of state.

Wisconsin Hamfest Schedule

08/23/2025 - Circus City Swapfest

Location: Baraboo, WI

Sponsor: Yellow Thunder Amateur Radio Club

Website: <http://yellowthunder.org>

09/06/2025 - ORC Annual Regional Fall Swapfest

Location: Cedarburg, WI

Sponsor: Ozaukee Radio Club (ORC)

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

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

Location: Milwaukee, WI

Sponsor: Ham Radio Outlet

Email: w9tjp@hamradio.com

11/02/2025 - FCARC Annual Hamfest

Location: Oshkosh, WI

Sponsor: Fox Cities Amateur Radio Club (FCARC)

Website: <https://fcarc.club>

04/25/2026 - ORC 46th Annual Spring Indoor Swapfest

Location: Cedarburg, WI

Sponsor: Ozaukee Radio Club, Inc.

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



Next FCARC Ham Exam September 13, 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



FCARC Lending Library

Chris Reitz, N9CVR
Head Librarian

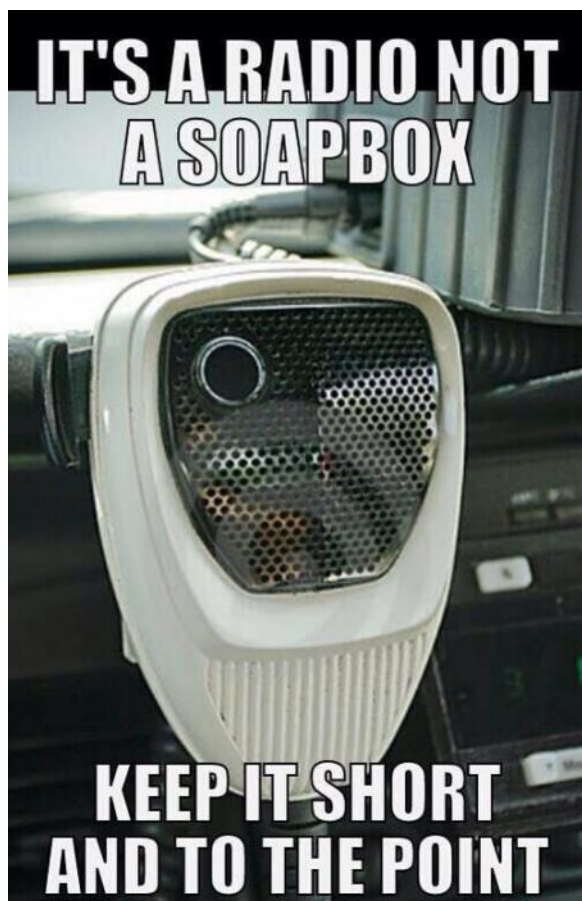


The FCARC lending library is a repository of references, equipment, and supplies that club members are willing to loan out to other club members. If you would like to borrow an item from the lending library contact the owner and arrange to borrow the item. If you have something you would like to list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

Library Catalog

Current As Of 7/18/25

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 measure			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

1. Center-fed half-wave dipoles in free space have an input impedance of approximately:
- | | |
|------------|-------------|
| A) 37 Ohms | B) 50 Ohms |
| C) 73 Ohms | D) 100 Ohms |

2. In what frequency range is the 160-meter band located?

- A) 1800 to 2000-kHz B) 2000 to 3000-kHz C) 1600 to 1800-kHz D) 3500 to 4000-kHz

- ### 3. What is a "silent key"?

- A) A spring loaded key.
B) The space between words on CW.
C) A dead radio
D) A deceased amateur radio operator.

4. Which of the following is NOT a correct Italian call sign? (Note: these may or may not be currently assigned but one of them is such that it cannot currently be assigned):

- A) I2MQP
C) IV3AB
- B) IK9JVO
D) IL3NOT

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

1. C) 73 Ohms | 2. A) 1800 to 2000-KHz | 3. D) A deceased amateur radio operator. | 4. B) IK9JVO

July 2025 Field Day Word Search

Circle the Field Day related words. The answers are on page 27.

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

Demonstration	Transceiver	Propagation	Grid
Emergency	Operators	Portable	NVIS
Callsign	Antenna	Genator	QRP
Logging	Contest	Battery	VHF
Cabling	Solar	Bands	HF

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.

If you are interested in being an Elmer please contact a board member.

Call / Name	Specialty Area
N9LVS - Dan	FCC Personal Data Changes
WA9TT- Larry	SSTV (analog)
N9AOT -Terry	Wires X / Digital
KB9AIT - Gary	Wires X
KC9YL- Anne	CW
W1GCS - Greg	Net Control Operators
WJ9K - Rick	Getting on the Air
KG9JP - KC	Contesting

FCARC Repeaters

Frequency (MHz)	Offset	Tone	Remarks
145.330	- 0.600 MHz	100.0	Yeasu 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 (MHz)	Offset	Tone	Remarks
224.500	-1.6	100.0	1.25 m repeater owned by WJ9K
1282.200	-12.0	146.2	23 cm repeater
442.475	+5.0	146.2	70 cm repeater owned by AJ9L
442.175	+5.0	100.0	70 cm repeater owned by WJ9K

FCARC Nets

Net Name	Frequency	Schedule and Extra Information
2-Meter	146.760	Wednesdays at 8:00 pm. Coordinator: John (KC9TFM)
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. Coordinator: Mike (KD9QHJ).
2-Meter SSTV	146.760	Second Sunday of the month at 6:00 pm. Coordinator: Larry (WA9TT)
222 Net	224.500	2nd Tuesday of the month. Coordinator: Dave (KB9RPH)
6-Meter	52.550	Third Tuesday of the month. Coordinator: Larry (WA9TT)
Morning Coffee Klatch	146.760	Monday, Wednesday, Friday at 9:30 am.

FCARC Club Calendar

July 2025

- 1 - 2 meter digital net 8 pm
- 2 - 2 meter net 8 pm (WI9MMM)
- 4 - CommunityFest (multiple shifts)**
- 5 - Social Saturday 9 am & Fox Hunt 7:30 am
- 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 9 am
- 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)

September 2025

- 2 - 2 meter digital net 8 pm
- 3 - 2 meter net 8 pm (KC9THF)
- 6 - Social Saturday 9 am & Fox Hunt 7:30 am
- 8 - Board of Directors meeting 7 pm
- 9 - 220 Mhz Monthly Net 8 pm
- 10 - 2 meter net 8 pm (W9SJO)
- 13 - Amateur Radio License Exam
- 14 - 2 meter SSTV net 6 pm (KC9TFM)
- 15 - General Membership Meeting 7 pm
- 16 - 6 meter net 8 pm (K6ROD)
- 17 - 2 meter net 8 pm (AJ9L)
- 20 - Wisconsin POTA
- 24 - 2 meter net 8 pm (KE8KWF)
- 27 - Otto Grunski Runski**

October 2025

- 1 - 2 meter net 8 pm (WI4WD)
- 4 - Social Saturday 9 am & Fox Hunt 7:30 am
- 7 - 2 meter digital net 8 pm
- 8 - 2 meter net 8 pm (KC9TFM)
- 12 - 2 meter SSTV net 6 pm (KC9TFM)
- 13 - Board of Directors meeting 7 pm
- 14 - 220 Mhz Monthly Net 8 pm
- 15 - 2 meter net 8 pm (WA9TT)
- 20 - General Membership Meeting 7 pm
- 21 - 6 meter net 8 pm (KC9THF)
- 17 - 2 meter net 8 pm (WI9MMM)
- 29 - 2 meter net 8 pm (KC9THF)

November 2025

- 1 - Social Saturday 9 am & Fox Hunt 7:30 am
- 2 - FCARC Hamfest**
- 4 - 2 meter digital net 8 pm
- 5 - 2 meter net 8 pm (W9SJO)
- 9 - 2 meter SSTV net 6 pm (KB9YUC)
- 10 - Board of Directors meeting 7 pm
- 11 - 220 Mhz Monthly Net 8 pm
- 12 - 2 meter net 8 pm (AJ9L)
- 17 - General Membership Meeting 7 pm
- 18 - 6 meter net 8 pm (K6ROD)
- 19 - 2 meter net 8 pm (KE8KWF)
- 26 - 2 meter net 8 pm (WI4WD)

December 2025

- 2 - 2 meter digital net 8 pm
- 3 - 2 meter net 8 pm (KC9TFM)
- 6 - Social Saturday 9 am
- 8 - Board of Directors meeting 7 pm
- 9 - 220 Mhz Monthly Net 8 pm
- 10 - 2 meter net 8 pm (WA9TT)
- 14 - 2 meter SSTV net 6 pm (WI9MMM)
- 15 - General Membership Meeting 7 pm
- 16 - 6 meter net 8 pm (KB9AIT)

* The location of the holiday party is TBD.

** Note, there will be no nets on December 24th or 31st.

Calendar items in red require membership participation or volunteer support to make the event happen.



FCARRC



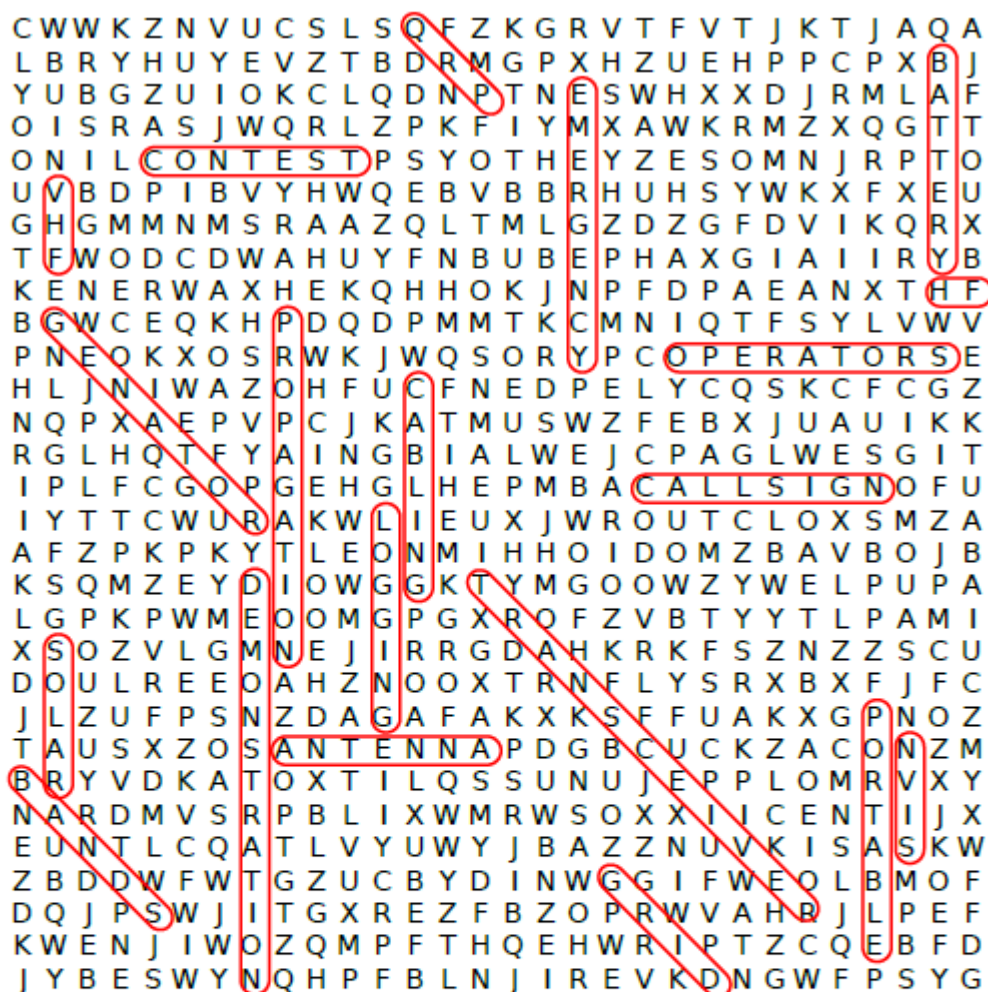
FOX CITIES AMATEUR RADIO CLUB, INC.

General Membership Meeting Sign-in Sheet

Date: 6/16/2025

Name		Callsign	
1. Mike Moore	WJ9MMH	21. Rick Keszisiek	WJ9RK
2. Evan Vanderlongen	N9DY	22. ANTHONY L. MACH	AB9IO
3. Rudy Ryebeem	KD9RPU	23. Andrew Sandahl	KD9ZAH
4. Carol Young	W9PEO	24. Joshua Sandahl	KB9ZGO
5. Joel Kasper	W14UD	25. Kendra Sandahl	KE9BGY
6. John Vermuel	KC9TFM	26. Anna Sandahl	KE9JGK
7. CHRIS REITZ	N9CVR	27. Stacie Sandahl	KE9BGL
8. Kory Scott	KC9QFH	28. Daniel Sandahl	KB9QOU
9. Fred Kaga	KC9VUH	29. Michael Hoffmann	KD9ZTP
10. Eric Bjorkqvist	KG8RF	30. Tom Butler	K49TVT
11. KAREN THORND	WB9ZNA	31. Roy Herz	KC9VLP
12. JOHN TYZINSKY	KC9KI	32. Mike Miller	KD9QHQ
13. Thomas Frysinger	KD9PZX	33. I. Ray Schilling	N9AOT
14. Steve Feltzko	KD9WYC	34. Donna Mendyk	KC9JH
15. Andy Lutton	AJ9AL	35. Don	AB9AA
16. Michael Kraus	KE9ABJ	36. Scott Reynolds	W9GI
17. Gary Johnson	KB9AAT	37. Gene Abel	KE8KUF
18. Paul Rullen	KC9OD	38. Joe Wickes	KD8YSW
19. Alvin Fausch	W9LKH	39. Eric Johnson	N9DL
20. Paul Jenkins	K49SD4	40. David Cushman	KC9CTI

Word Search Solution From Page



Demonstration	Transceiver	Propagation	Grid
Emergency	Operators	Portable	NVIS
Callsign	Antenna	Genator	QRP
Logging	Contest	Battery	VHF
Cabling	Solar	Bands	HF

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 _____