

# QSO'er

Volume 39, Issue 3  
June 2025

Hamfest Edition

# QSO'er

June 2025 | Volume 39 Issue 3

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## FEATURES

### **Information on the Sunshine Hamfest (page 5)**

*Information on being a vendor, shopping, or volunteering.*

### **Shack of the Month (page 6)**

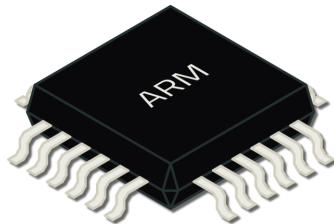
*This month we see a small portion of shack of Larry Peterson (WA9TT)*

### **Instructions on our new club meeting location (pages 8-9)**

### **Help Wanted - Operators for EAA (page 10)**

### **Field Day Information (page 13)**

### **Making a Battery Bag (reprinted from "On the Air") (pages 16-17)**



## IN EVERY ISSUE

### **May 2025 General Membership Minutes (pages 7 - 8)**

### **Hamfests Across Wisconsin (page 22)**

### **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.*

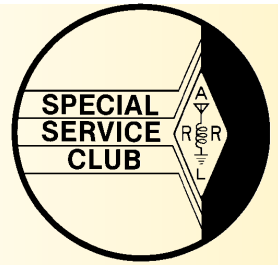
### **Ham Trivia & Jumble (pages 24 & 25)**

### **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](http://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: This is a typical view of a table at a hamfest. The FCARC is hosting the Sunshine Swapfest on June 21, 2025 at the Sunnyview Expo Center. All FCARC members are encourage to support this event by volunteering or shopping at the tables.*

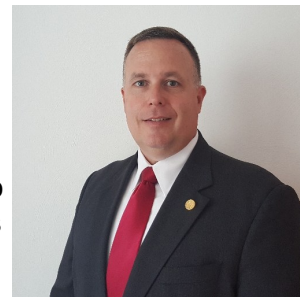


# Message From the Editor

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## A Month To Get Involved With

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



This month offers multiple activities for FCARC members, family and friends to get involved in. While this edition contains a fair amount of advertisement, it is meant to remind and encourage participation.

Our first activity of every month is Social Saturday. If you missed the June Social Saturday, rest assured, you can come and join us on the first Saturday of July at Golden Corale. If you have not joined the club for breakfast before, stop in. After you enter the restaurant, turn right and look for the group sitting against the wall.

June 14th is Flag Day. The Appleton Flag Day Parade is the oldest Flag Day parade in the United States. The FCARC will have a float in the parade demonstrating ham radio capabilities. Grab your HT and come on down to watch the parade. Talk with Donna as she rides on the trailer talking on the radio for everyone to hear.

Next, we have our general membership meeting. Our new meeting location will be at Fox Valley Technical College in Appleton. Instructions for where to park and enter the school are found on pages 8 and 9 in this edition

Our biggest event of June is the Sunshine Hamfest. These events are only successful if there is participation. There are still opportunities to help with the event or set up and sell some treasures to another ham. At a minimum, please come out and visit event, even if you don't buy anything. The camaraderie of meeting new hams is something you cannot put a price tag on. See the flyer in this edition for more information.

The week after Hamfest you can participate in Field Day and try out some of your new purchases from the Hamfest! Even if you cannot participate for a long period of time, come out and bring a friend just to see what is going on. We'll do Field Day once again at the Bay-Lakes Council, Boy Scouts of America on Prospect Ave in Appleton

So as you can see, we have something going on this month for everyone of all levels of experience. Let June be the month to support our club and even deepen your love for our fascinating hobby.

73,  
Gene (KE8KWF)



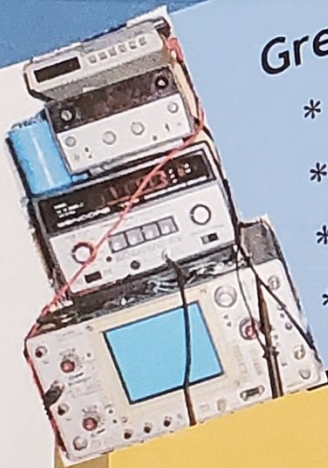
**FCARC**  
FOX CITIES AMATEUR RADIO CLUB, INC.



# Sunshine Swapfest

Great event for enthusiasts of

- \* Amateur Radio items
- \* Computers
- \* Electronics
- \* and other related miscellanea



**Vendors/Sellers  
Need To  
Bring Your Own  
Tables, Chairs, and  
Canopies**

Contact: Carol Young  
W9PIO2024@gmail.com

## Saturday June 21<sup>st</sup>, 2025

**New Convenient Location  
Off Interstate 41**

**Sunnyview Expo Center Parking Lot #2**  
500 E County Rd Y, Oshkosh, WI 54901  
\$5 Entrance Fee  
7:00 AM – 12:00 Noon

**Come Buy or Sell**



## 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 Larry Peterson (WA9TT)

This month QSO'er features the VHF+ portion of Larry Peterson's ham shack. This is only one part of Larry's shack. To see his full shack, visit his website at [wa9tt.com](http://wa9tt.com).



Larry has capabilities on 6m, 2m, 125cm, 70cm, 902 and 1296 bands.

His main radio is the ICOM 705, positioned in the rack on the first shelf above the rack (the unit with the small color screen to the left of the headset).

Additionally, Larry uses DEMI transverters where needed. In this photo you see a 1KW on the lower bands and 500W on 902 and 1296. These

He uses Gemini and Beko linear amplifiers which you can see on the top of the rack, in the middle of the rack, and on the left side of the desk (off-white boxes with 3 switches).

He operates CW from this setup. A Bencher iambic paddle key is on the right side of his desk.

# May FCARC General Membership Minutes

By: Gene Wall, KE9KWF

## FCARC General Membership

Meeting Minutes

May 19, 2025

Per the organization bylaws, a quorum was achieved. There was a quorum with a total number of 31 in attendance. Mike Moore (WI9MMM) called the meeting to order at 7:05 pm. Roll call was taken by all members in attendance.

The *Elmer of the Evening* was KC Ross, KG9JP.

### Committee Reports

Secretary – Gene Wall (KE8KWF) – Nothing significant to report.

Treasurer – Donna Mendyke (KC9THF) – Donna provided an update on the account balance in the accounts. Donna also reminded us to renew our membership.

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 “hot keying.” The presentation was delivered by Larry (WA9TT). Hot keying is when two operators are talking on air and using a repeater and there is no break in the communications. It is recommended to leave space between transmissions to allow other operators to break in and to avoid the repeater from timing out.

Members at Large – If you have an idea for a program that you can give or would like to see, please speak to Mike (KD9QHQ), Rudy (KD9RPW) or Brian (W9BAM).

#### Special Committees

*Repeater Committee* – Andy Lawton (AJ9L) – Andy provided an update on the repairs done to the 443.650 MHz repeater antenna. There was water found in the antenna and in the HELI-AX®. Repairs were done to the HELIAX® and antenna. the repeater is back up and running.

*Website Committee* – Dave Sprangers (ND9DW) – as of the meeting time, the website is up and running.

*License testing* – Rick Kosiorek (WJ9K) – The next testing will be on May 31, 2025. The location is moving to 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 was unable to make the meeting.

### Special Business

1. Elections for President, Membership Coordinator, and 3 Members-at-Large: Nominations were accepted from the membership at the meeting. The following nominees were recorded.

President: Mike Moore (WI9MMM) was elected as president.

Membership Director: Karen Moore (WB9ZNA) was elected as membership coordinator.

3 Members-at-Large: Rudy Reynebeau (KD9RPW), Rod Roller (K6ROD), and Evan Vandenberg (N9DU) are elected as the Members-at-Large.

### New Business

Digital Net Volunteers – Mike Miller (KD9QHQ) – Mike solicited for new volunteers to run the digital nets.

Girl Scout Day Camp - Mike Moore (WI9MMM) - July 7-11, 2025. A local scout group asked for a radio event at their scout day camp. The organizer of the event would like some female role models.

### Old Business:

Flag Day Parade – Larry Peterson (WA9TT) – As of this afternoon we have been accepted to participate in the Flag Day Parade on June 14, 2025. Signups were taken during the meeting.

Sunshine Hamfest – Carol Young (W9PIO) – The hamfest is the weekend after the Flag Day Parade. Carol needs volunteers for this event.

Sole Burner – Brian Long (KB9LRD) – Brian was not at the meeting, but he informed some members that he has about 15 volunteers signed up for the event.

## May FCARC General Membership Minutes (continued)

ARRL Field Day - Mike (WI9MMM) solicited the members for a leader for the next event.

CommunityFest – Tim Hale (KC9FSH) – July 4, 2025 – Mike asked members to offer support to Tim for this event in anticipation of the club supporting this year's event.

EAA – Gene Wall (KE8KWF) – July 21 – 27, 2025 – Gene solicited for operators to fill shifts through the week. He pointed out that there is a sign-up form on the club website. Operators are needed each day of the week for both morning and afternoon shifts.

Sole Burner – May 10, 2025 – Brian Long (KB9LRD) - Brian was not available for the meeting. Mike Moore reported that the event went very well.

Walk MS – Dave Sprangers (ND9DW) – May 10, 2025 – Dave reported that the event went very well. We had approximately 8 operators providing communications across the walking route.

Recruiting Field Day Chairman – Mike solicited for a Field Day Chairman. He announced that the club will participate in Field Day and the presence of a chairman will ensure we will get the most out of the event.

**Technical Questions/Topic** – None

**Show and Tell** –

1. Chris Reitz (N9CVR) – Chris built a dummy load that goes up to approximately 1.5 GHz. The unit reads the temperature and turns on an integrated fan. He also showed his Meshtastic unit, along with another unit controlled by Andy (AJ9L). RAC Wisblock 19007 starter kit.
2. Andy Lawton (AJ9L) – Andy showed his 3D printed electronic violin.

**Program** – Gene talked about his lesson to a home school group.

**Adjourn at 8:28 pm**

**Minutes Prepared by-**  
Gene Wall (KE8KWF)

**Reviewed by-**  
Mike Moore (WI9MMM)



We are having the General Membership meetings at

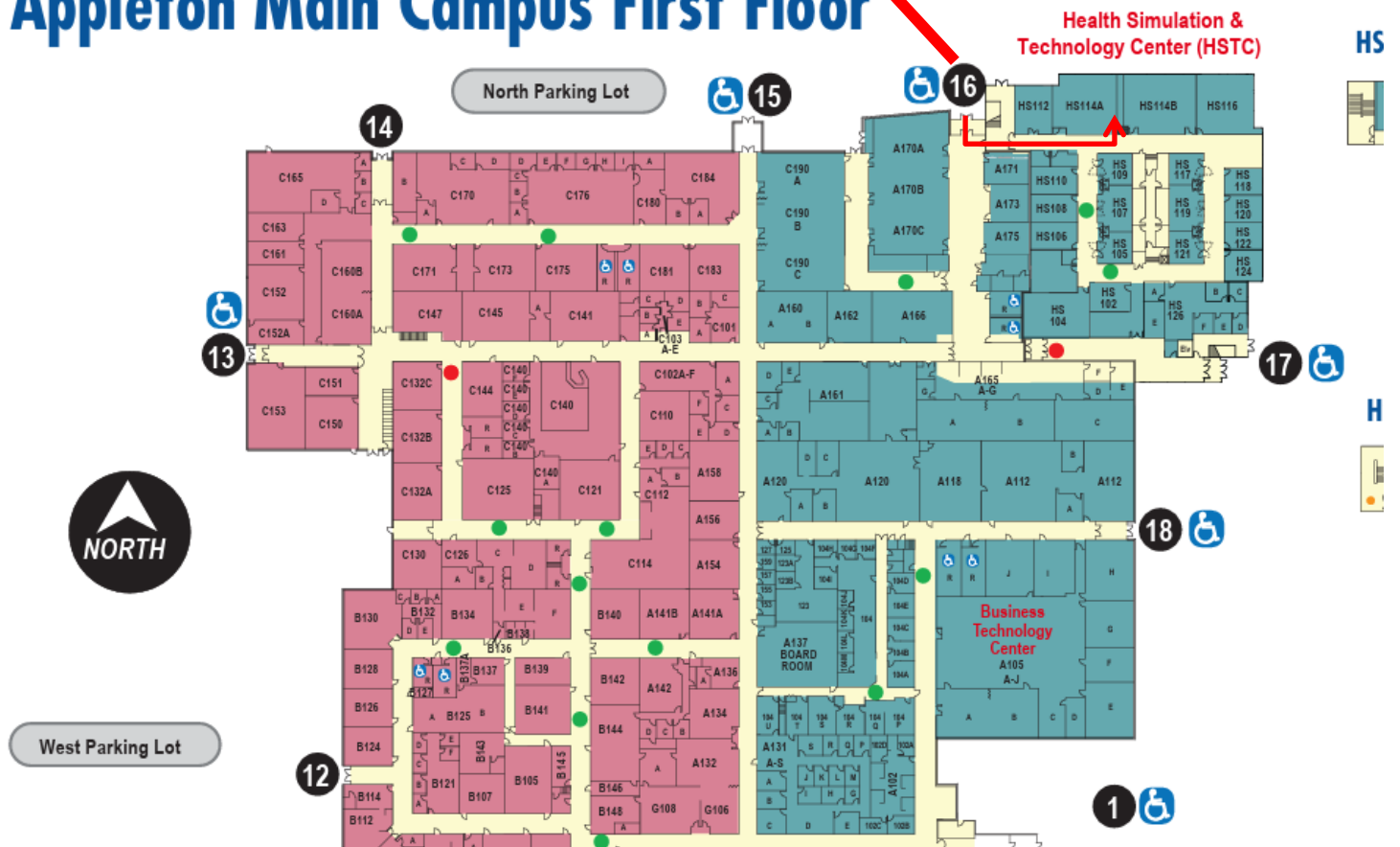
**Fox Valley Technical College**  
**Room HS114**  
**Use Entrance 16**

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





## Appleton Main Campus First Floor





**FCARC is still in need of operators to fill shifts at EAA Airventure, especially in the afternoons. Please contact Jon Oldenberg (AB9AH) or Gene Wall (KE8KWF) as soon as possible to lend a hand. Volunteers receive free admission to the airshow on the day that they volunteer. Please consider volunteering for as few as one shift, or as many as 10 shifts, during the week.**



# HamThings )))

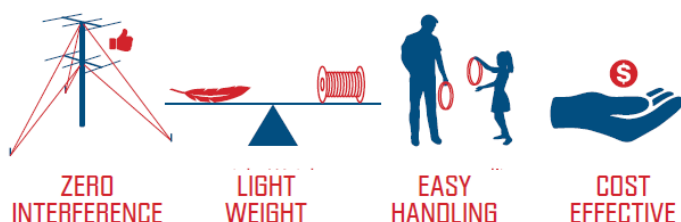


HamThings is owned by club member Chris N9CVR. We sell Fuse Blocks and VHF/UHF antennas.

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



## WHY GUY WITH SYNTHETIC ROPES?



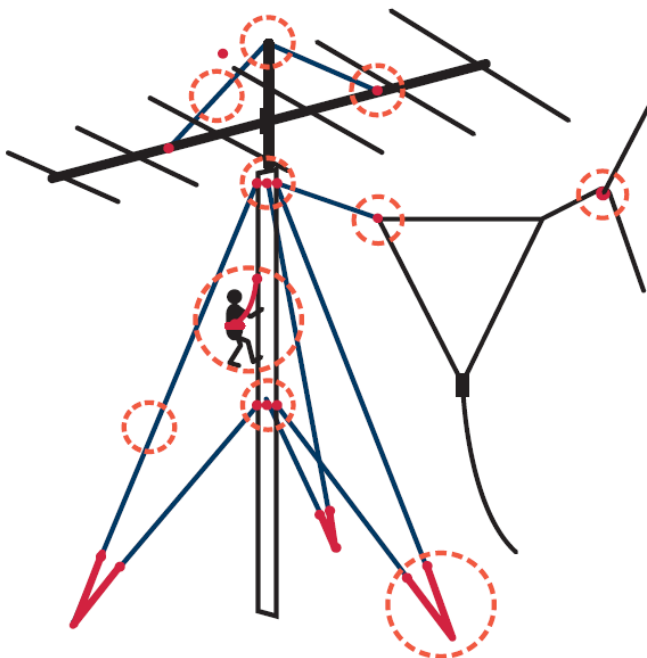
## WHY MASTRANT?

- 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](http://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!

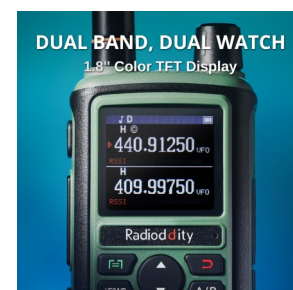
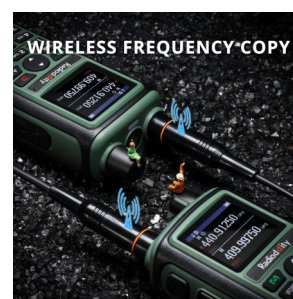
Radioddity is sponsoring two radios for the FCARC hamfest



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>





# ARRL FIELD DAY 2025



Be a part of the **most popular on-the-air operating event** in amateur radio. Join your local community and get in on the action!

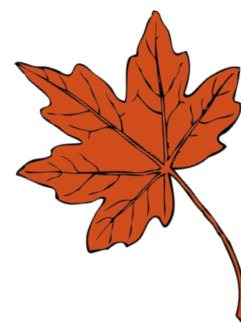
**PARTICIPATE IN YOUR LOCAL  
ARRL FIELD DAY JUNE 28-29, 2025**

## **FCARC Field Day**

**Where: Bay Lakes Boy Scouts of America  
2555 Northern Rd  
Appleton, WI 54914**

**We welcome everyone to this event no matter what license you hold, or even if you do not hold a license. We will have the ability to help everyone get on the air.**

**[www.arrl.org/FieldDay](http://www.arrl.org/FieldDay)**



## 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:

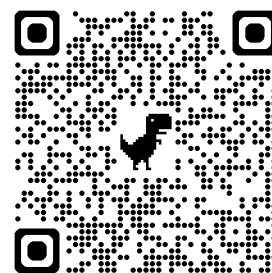
- Setup/Takedown
- Advertising/Publication
- Ticket Sales
- Presentations/Forums
- Kitchen/Food Area
- Admissions/Raffle



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







# 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



## Reprinted from “On the Air” Magazine

### Battery Bag

This compact, versatile 12 volt dc system powers your ham radio as well as other devices at home or in the field.

Pete Cummings, KJ7YYZ



1



2

**W**hile providing ham radio support to an outdoor event I found it convenient to crossband the mobile VHF/UHF radio in my vehicle with my handheld radio. I could walk around and communicate utilizing the convenience of the low-power handheld and the 50 watt power of the truck-mounted mobile unit. The crossband operation worked very well for about 10 minutes, then my truck shut off power to the radio. To keep the radio powered, I would have to keep the truck idling, or at least keep the ignition on.

To properly power my radios in the field, I was going to need a portable battery. In addition, I wanted a battery system capable of charging other devices and supporting other applications.

A large, automobile-sized 12 volt battery would provide power over a long duration, but I didn't want to lug that much weight into the field along with my radio and antenna gear. The trade-offs of smaller battery, less weight, and shorter operation time brought me to the Bioenno Power LiFePO4 12 volt, 20 Ah (amp hour), 240 watt hours battery weighing 5.4 lbs. (2.4 kg.).

## 1 The Basic Components

My bag is a Small Camera Cube from Peak Design that measures 12" x 6" x 6". The 120 v ac charger for the battery, Powerwerx Watt Meter, and Powerwerx PD-4 Power Distribution Block complete the power management system for attachments and accessories shown in Photo 2. The Powerwerx Watt Meter displays amps, volts, and watts continuously in real time and amp-hours, watt-hours, and watts cumulatively since the meter's last startup.

## 2 Attachments

My battery system can power up to three devices simultaneously. My normal ham radio setup is a Yaesu FT-991A transceiver, a computer, and a cell phone charger, all powered and charged from the battery bag.

Anderson Powerpoles connect radios and accessories. Rather than having individual long-length cords for each radio or accessory, I use short "tips" for each device, along with extension cords to save weight and space in the battery bag. Most of these short tips are available from Powerwerx, while others have been homemade using Powerpoles.

The total weight of my battery bag with attachments and accessories is 9.5 lbs. (4.3 kg.)

### List of Attachments and Accessories

- Work light to vehicle power plug
  - Vehicle power socket
  - 25 amp dual fuses
  - Large alligator clips with 40 amp dual fuses
  - Small spring clips (for ground or test lead)
  - Dual USB charger to vehicle power socket
  - Yaesu FTM-300DR power connector
  - Yaesu FT-991A Transceiver power connector
  - #10 wire 30 amp extension cord, 16 feet
- (In the bag, but not shown in Photo 2)
- Two #12 wire 20 amp extension cords, 5 feet
  - 20 amp dual fuses
  - Vehicle power plug #14 wire fused 15 amp
  - Yaesu FT5DR power connector

## Ham Radio Power

The Bioenno BLF 1220A 12V/20AH/240WH battery can power my Yaesu FT-991A 100 watt HF transceiver, Yaesu FTM-300DR 50 watt VHF/UHF mobile transceiver, and Yaesu FT5DR 5 watt handheld for a whole day either at home or in the field, per Bioenno specifications:

### Duty Cycle 20% Transmit/80% Receive

(This is a usual or standard duty cycle)

| Transmit<br>WATTS | Receive<br>WATTS | Watt Hrs. | Run Time<br>HOURS |
|-------------------|------------------|-----------|-------------------|
| 100               | 5                | 24        | 10                |
| 50                | 5                | 14        | 17.1              |
| 25                | 5                | 9         | 26.7              |
| 10                | 5                | 6         | >30               |

### Duty Cycle 50% Transmit/50% Receive

(This is a heavy duty cycle, like Field Day)

| Transmit<br>WATTS | Receive<br>WATTS | Watt Hrs. | Run Time<br>HOURS |
|-------------------|------------------|-----------|-------------------|
| 100               | 5                | 52.5      | <6                |
| 50                | 5                | 27.5      | 8.7               |
| 25                | 5                | 15        | 16                |
| 10                | 5                | 7.5       | 32                |

## Other Applications

You can use this setup for other power needs, such as charging phones and GPS devices, a small dc-to-ac inverter, or a computer. You could even use it to supplement a battery for a camping trailer. I once used mine to power a 1,000 lb. winch to pull our 2,500 lb. camping trailer up a 50-foot driveway into our garage!

All photos provided by the author.

*Pete Cummings, KJ7YYZ, became interested in amateur radio while stationed at US Naval Communications Station Guam in the late 1960s. After 50-plus years of "on and off" thinking about getting a license, he got his General license in 2021. Pete lives in Bend, OR, and enjoys hiking, camping, canoeing, snowshoeing, and fly fishing, and always travels with his battery bag. Contact Pete at pccummings@live.com.*

### Sources

peakdesign.com  
bloennopower.com  
powerwerx.com





# \$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 2<sup>nd</sup>, 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
  - C<sub>3</sub> Electronics Standard Aluminum Mast Stand
- ☐ Wolf River Coils Products
  - Two 213" Wolf River Coil Whips
  - Two Sporty Forty Coils
  - C<sub>3</sub> 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
- Hell 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
- Hell 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

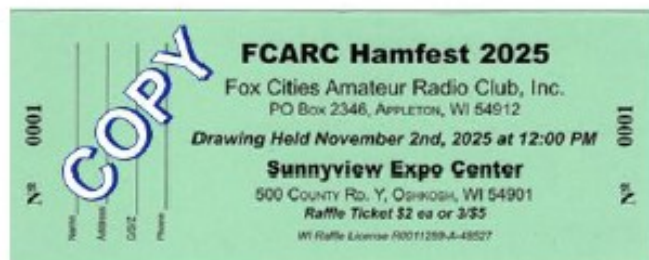


**Make sure to get your tickets!**

\$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
- Hell 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
- Hell T-Shirt
- "Prepper Communications" by Craig Buck
- Cable Experts SO-239 Connectors (24 pk)

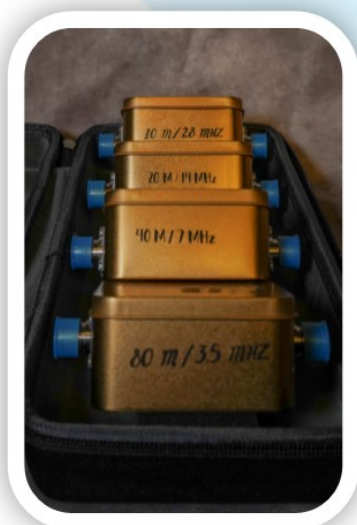


Looking to prevent unwanted signals  
on HF frequencies?

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](http://www.c3electronicsllc.com)



## Social Saturday

July 5, 2025

9:00 am

You eat breakfast, don't you? How about eating breakfast and talking about ham radio?

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** ★★★★★  
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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

**06/21/2025** - FCARC Sunshine Swapfest

Location: Oshkosh, WI

Sponsor: Fox Cities Amateur Radio Club (FCARC)

Website: <https://fcarc.club/>

**07/05/2025** - South Milwaukee ARC Hamfest

Location: Oak Creek, WI

Sponsor: South Milwaukee Amateur Radio Club

Website: <http://www.wi9sm.org>

**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](mailto: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 July 19, 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](mailto: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 6/10/25

| 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!              |



**FOUND A RECEIPT FOR \$400, THOUGHT  
IT WAS FOR VALENTINE'S DAY**



**HE BOUGHT ANOTHER HT**

**JOIN THE RESISTANCE**



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

2. In what year was the first UK Foundation license issued?

- A) 1979    B) 1982    C) 1991    D) 1989

3. What is a "Boatanchor" in amateur radio slang?

- A) A maritime mobile grounding system based on the conductivity of sea water    B) A large old radio usually from the tube era    C) A device for using weight to slow the speed of a semi-automatic key (bug)    D) A heavy device used to anchor tower guy lines

Which state does NOT belong in the 8th US Call District?

- A) Ohio      B) West Virginia  
C) Indiana      D) Michigan

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

BC) Are geosynchronous with an eccentricity of zero | 2. C) 1991 | 3. B) A large old radio usually from the tube era | 4. C) Indiana

## June 2025 Word Jumble

Unscramble the letters in the list below to reveal a ham radio related word. The answers are on page 27.

1. ANNTEAN \_\_\_\_\_
2. ORDAI \_\_\_\_\_
3. HMA \_\_\_\_\_
4. FTES \_\_\_\_\_
5. ORSEM \_\_\_\_\_
6. DECO \_\_\_\_\_
7. WC \_\_\_\_\_
8. DX \_\_\_\_\_
9. QSO \_\_\_\_\_
10. IRG \_\_\_\_\_
11. IMTTNARS \_\_\_\_\_
12. EECEIRV \_\_\_\_\_
13. MRIALIEFP \_\_\_\_\_
14. XACO \_\_\_\_\_
15. ODERSL \_\_\_\_\_
16. EENSLCI \_\_\_\_\_
17. LLCA \_\_\_\_\_
18. SNIG \_\_\_\_\_
19. TERREPAE \_\_\_\_\_
20. ATCTSI \_\_\_\_\_
21. HCTETRA \_\_\_\_\_
22. MEIK \_\_\_\_\_
23. KYE \_\_\_\_\_
24. HKSCA \_\_\_\_\_
25. ENRVUOETL \_\_\_\_\_



### 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

## June 2025

3 - 2 meter digital net 8 pm  
 4 - 2 meter net 8 pm (KE8KWF)  
 7 - Social Saturday 9 am & Fox Hunt 7:30 am  
 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)  
**21 - Sunshine Swapfest**  
 25 - 2 meter net 8 pm (WA9TT)  
 28 - 29 - Field Day

## 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)

## 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)

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

# Word Jumble Solution

## From Page 24

Here are 25 words associated with ham radio and hamfests that you used for the word scramble:

1. Antenna
2. Radio
3. Ham
4. Fest
5. Morse
6. Code
7. CW
8. DX
9. QSO
10. Rig
11. Transmit
12. Receive
13. Amplifier
14. Coax
15. Solder
16. License
17. Call
18. Sign
19. Repeater
20. Static
21. Chatter
22. Mike (as in microphone)
23. Key
24. Shack
25. Volunteer

**Submit your ideas for content, contributions, or items for sale for future editions of QSO'er to Gene Wall (KE8KWF) at [ke8kwf@gmail.com](mailto: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 \_\_\_\_\_