



# Cherry Juice

*Newsletter of the Cherryland Amateur Radio Club*

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# This Club Needs You!



#1082

# President's Corner

## Looking Ahead

***We have a new environment, new challenges and new opportunities for you.***

**By Ernest Abel, K8RCT**

The fall season blew in with a gale this weekend. That got me thinking about the rest of the year for the CARC. Even though summer is over the club still has a lot of activity going on. Thinking ahead for the next few months brings to mind several activities to put on your calendar.

Bell ringing for the Salvation Army: Once again we have volunteered to assist the Salvation Army with the annual Christmas bell ringing. We will again be at Oleson's on Cedar Run Road on Saturday December 3<sup>rd</sup> this year. Let's get this out of the ways before the busy Christmas season. (Hey, who's talking about Christmas already?)

Also, in December we have our annual Christmas dinner. The board has selected Sleder's Family Tavern as the location of the Christmas Dinner on December 6. (*see the article on page 3 for details.*)

This is also the event where we announce the HOYA award. For the uninitiated that's the Ham of The Year award. This person or persons is/are chosen in secret by the past three years winners. Even I don't know who gets this award until it's announced at the dinner.

You have no doubt been hearing news about our relationship with the Salvation Army. The Commander and staff really like the CARC, but

they decided that they need our club room for their expanding programing. We've been asked to remove our radio equipment from the room. In the last several weeks on Project Night we have been boxing up our gear for storage. It is sad to see but we understand that the needs of the SA come first, and they really do need the space.

All of the equipment owned by the CARC is now being stored at a board member's home, until we find a permanent storage. The larger pieces that are going to be listed on eBay were taken home by Ernie for shipping or pick-up.

The board is evaluating meeting sites, although we have been invited to continue to use the Salvation Army meeting room. There won't be a club meeting in December as we are having our annual Christmas party that month. The January meeting is yet to be determined but the VFW hall is available with lots of parking, food, and if you are a veteran, beer. We'll let you know when and where to meet in January. Project Nights will now be held at Glen's office ***New Approaches.*** (*See page 8 for details*)

The Big, really big ham radio equipment sale! If you've been watching your emails lately you will notice that the club has purchased the radio station equipment from Frank Hughes. Frank has a complete, modern, ham radio station including HF radio, amplifier and all the accessories. We have sold about 12% of the gear and have already made back our investment!



The sale to club members will end soon and then the remaining gear will be listed on eBay. This will significantly increase our clubs treasury. We need to really thank Scott, WX1J, for his efforts to inventory, price and sell this equipment for us. Anyone need a solid state, auto-tune HF amplifier?

At the January Club Meeting we will elect Officers and Board of Directors for 2023. This is your chance to elect leaders that will be moving the CARC ahead into the future. Who would you like to see take up leadership positions? Have YOU thought about running for a board position? We always need new, fresh ideas as we move forward as a radio club.

And last but not least, the ARRL has confirmed that our Ham Swap-n-Shop on February 11, 2023 is sanctioned by the ARRL. The SWAP is the Club's big event and we'll be looking for volunteers to run the swap, set-up tables, take down tables and in general help with the event. We'll have a sign-up sheet, or contact [joe@n8cn.com](mailto:joe@n8cn.com) to let him know you would be available to help.

So let's wrap this year up in style and push boldly into 2023 together.

73,

Ernie, K8RCT



# Cherryland ARC Annual Christmas Party Announced

Mark your calendar now- big red circle around **December 6, 2022**. That evening is the Annual, CARC Christmas Party. There will be food, good friends, welcoming environment, a slideshow recap of the year and the unveiling of the **2022 Ham of the Year**.



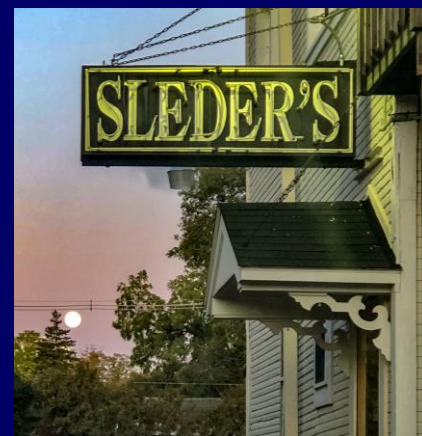
This year we will be holding the Christmas dinner party at Sleder's Tavern in Traverse City, as they celebrate their 140<sup>th</sup> year in business.

Our group will be in the big separate room behind the bar and we will order from the menu, so all dietary goals can be accomplished with no fuss, no muss.



President Ernie, K8RCT, has developed some kind of White Elephant gift plan that sounds really fun and should have some good prizes. So make it a date to bring yourself, your spouse, a friend or two and enjoy a great time together and sharing in the spirit of the holiday season.

Registration is important- You can [RSVP HERE!](#)



## ANNUAL CARC CHRISTMAS PARTY

**TUESDAY, DEC 6**

**6:30 PM Social Hour**

**7:00 PM Dinner**

Sleder's Family Tavern  
717 Randolph Street,  
Traverse City, MI 49686





# This Club Needs You

By Scott, WX1J

## What does it mean to be a member of this club?

I've been thinking about that question and what the club means to it's members. I invited some of our members to weigh in their thoughts. Some wrote back.

With this article, I hope that you will take a moment to explore what CARC means to you and what you think the opportunities are for the CARC in the years ahead.

"The purpose of the Cherryland Amateur Radio Club is to provide those interested in the hobby a physical and virtual location to share knowledge, ideas and experience related to the art of communications technology and relationship to helping the community." That is a great summary of what we're about, expressed by Brook Smith, N8OCX. Brook has been a ham since tube days.

Kevin Kalchik, KE8SBW, is just starting his journey and he echoed that concept of meeting, gathering, sharing. He said, "The club brings together a group of people who care and have a common interest in technology and/or communications"

Jim Duff, AC8DG was more direct in sharing his view of the CARC.

"I think the most important function is for new hams and their development..." In Jim's view the club should support testing, technology at project nights and support picnics and other face to face social interaction.

The club's purpose to exist has been those things since it was founded in XXXX. Hams have gathered, shared, conversed, and operate field day, socialized, learned and taught each other. We continue to do that.

**People change.** Some become less active, others step up to participate and run club activities. We operate two repeaters that hams are free to use, we host an annual SWAP-N-SHOP in February, Participate as a club in the MIQP Contest in May, Field Day in June, Fox Hunt, Annual Picnic, and a Christmas Party.

CARC has weekly meetings every Tuesday night and we meet on the air every Sunday Morning and Monday night.

If you are interested in EMCOM, Emergency preparedness, you have opportunities to participate in ARES/RACES nets by TBARG Skywarn Training Nets, and District 7 Auxcomm nets.

The opportunities are there for social interaction, learning, teaching and sharing experiences.

*The part that sticks in my head is why do people want to be part of the club, and not participate?*

Kevin, KE8SBW, said that for him, "he can attend meetings, gatherings and use the repeaters without guilt."

And I thought about what he said...

Kevin is newly licensed, and he said that he was attracted because of the International Space Station Event that CARC did with Traverse Area District Library in 2019, and he explained more.

When he uses club sponsored resources such as gatherings, repeaters, tools, or just has a question. The Club funds that, and he doesn't feel out of place to use those resources. "Radios, technology, hardware, etc., are all secondary to the connection of people. Radio is just the starting medium of exchange or discussion. I am comfortable as myself at club events and with club members." he continued.

"People in CARC are curious and genuinely lifelong learners, no matter how much knowledge and experience they may have. This is the type of person to aspire to be.

The club has not just taken an interest in me, but in my son who comes with me as well.

I am comfortable and encourage my son to be collected by club members for a discussion, demonstration, tinkering, to learn about each other, or learn anything new or interesting." he said.

Continued page 5



# This Club Needs You *continued*



Kevin again,

***“There is mentoring of every interested person with no exceptions. There is interest in sharing and development across ages and generations, in both directions.”***

Now that woke me up and I hope it did you as well. I as a 50's Radio ham, digging radios out of the town dump to fix and use, think sometimes I have learned all the answers.

Ding-Dong- I'm wrong. The new technology is spectacular as were tubes glowing in the dark. Python, Arduino, Raspberry PI, SDR, DMR, Fusion, D-Star and a few other esoteric topics are better known by people who do not yet have passed their Technician license. And they are willing and able to help us work our way through those hurdles.

Sadly, they aren't as excited about learning the functionality of a 12AT7 tube. But that's ok. Move Always Forward.

We get that Ham Radio is largely a personal experience. There are so many facets, modes, preferences and people just want to have their personal time on the radio. Got That. But there are other hams, that are trying to learn. Those who haven't yet experienced all the excitement of HF or Satellites or Digital Modes.

And there's a lot of interest by new hams, to learn CW. Those new explorers need mentors or just someone to point them in the right direction and give them a vision of the broader view of ham radio than just VHF on a Baofeng.

Jim, AC8DG's point is that much of the club activity should be, "...for new hams and their development."

Brook, N8OCX said "to be a member of the Cherryland Amateur Radio Club is to participate in skill building of the communication arts. Additionally, our organization attracts professionals (former and current) whose values and integrity are respected by all who are interested in advancement of STEM skills and its relationship with helping new generations interested in technologies."

I've noticed that we hold VE exam sessions every quarter. But we do not currently offer the lesson-plan or classes to help bring those studying into the test and we do not have follow-up workshops after they get their license, to help them get on the air. In 2019, we did Ham License Prep seminars on Zoom, focused on "frequencies v wavelength" and "Ohm's Law". Those were well attended.

Then we did **New Ham Workshops** that were well received, for newly licensed hams, to get on-the air.

Then with Covid lock-down, we dropped the workshops and have not restarted them. **CARC has information packaged but need someone to step-up and conduct the workshops quarterly.**

Continued page 6

# This Club Needs You *continued*

One or two people to organize and run the workshops. **Perhaps that could be you!**

Ernie, K8RCT, said at our October Meeting, “We see people excited about learning, take their test, pass their Tech license, and we never see them again.” That’s a tragedy, all because, we CARC, We individually didn’t pick up the ball and offer to help them to find the path after they got their ticket.

We have the know-how, we have the materials, we just need to make the commitment to transition new hams onto the airwaves with grace. Can we do that?

## On another subject:

Brook, N8OCX, wanted to “highlight the importance of the W8TCM, 146.86 MHz repeater system. This system is synonymous with the CARC and the history of being a first system of its kind in our area. In the past the system was listed as a regional system and many Hams counted on this system to be reliable. I think we should continue to improve and make sure this system is operating to its highest expectations.

The W8TCM system consists of many valuable components and the care and upkeep of these assets should remain a priority. Recent events make clear future thinking in planning should happen to insure the reliability of this system and reduce its vulnerability to decisions and factors we don’t control..

While we improve internet linking capabilities with other repeater systems, I feel the 146.86 repeater still remains a backbone for this network.” And yes Brook, a vital resource for local communication between hams, supported by the CARC.

**Note:** If you haven’t experienced it yet, try the 146.86 repeater in Traverse City on Thursday nights at 9:00 PM. The Northern Michigan Linked Repeater Auxcomm Net operates with W8TCM connected to repeaters in Mackinaw, Cheboygan, Mio and other sites – a True Northern Michigan net that proves broad area reliable communication in the event of emergency. *See article on page*

***“The Cherryland Amateur Radio Club is best known for its willingness to accept the challenge of providing emergency communications throughout our community and beyond.***

*Brook N8OCX*

## The challenges ahead

Brook has some opinions of where we can improve. “We are blessed with a most wonderful location for field day, yet it is remote for attracting visitors. We need to find a way to promote more visibility to attract more public participation.”

“We could improve in more media messaging for our license exams. We could get public attention by using a Fox costume of the hunted during our Fox Hunt. We need to find a meeting location where we need not to worry about surprise eviction, like maybe the Senior Center or other community building.



Kevin offered that, “public outreach activities that we discussed in past meetings, about doing with a field day type event at the open space is appealing to me. Especial- ly if there could be a connection with a group of youth, like in collaboration Newton’s Road, or Super Science Saturday at TCAPS.

## What’s most appealing?

Kevin- “I enjoy most building and using of equipment, such as the fox hunting antennas. If there were a group of folks who wanted to get together to build interferometers I would be interested. I understand that I am new and that a good portion of these canned projects have probably been done in the past and the experienced members of the club probably have the equipment already.”

“Has there been any interest in setting up a SDR club radio?”

Well, Kevin, great question. Let’s give it a shot. Who could help work on that with Kevin?

Brandon, K8MBZ had constructed a KiwiSDR radio accessible to the world from TCMI, but his Antenna collapsed due to the big-bad wolf from the north.

I’ll let Brook bring us home, his thoughts to wrap up our invitation to be a flourishing member of Cherryland ARC.

“While we do much more like Field Day, picnics, Fox hunts, project nights, bell ringing, scouting badges, weather spotting and license exams, this is all about serving our community by volunteering our skills and resources in time of need. We do all this while having a good time doing it.”

Amen -



# MOVING FORWARD IN 2023

*Two initiatives form the core of club direction.*

*The Club board has received presentation by members to begin two initiatives for 2023. The first, is to provide a community service to bring new hams into the hobby.*

**CARC** will once again, offer **Technician License Study Classes** leading to a VE Exam. This course series facilitate learning the 10 subject modules over a 9 week period. The classes will meet on Wednesday evenings from 7 – 9 pm at the **New Approaches** office building at 5123 N. Royal Drive, Traverse City, MI 49684. (*Behind Active Brace & Limb*), the start date will be announced in December.



The instructors will use the ARRL Technician Class License Study guide and materials. The cost of the courses is free, but you will be asked to purchase the ARRL study manual.

If you or someone you know would be interested in taking this series of nine classes, please reserve a spot by registering at this link, or send an email to: [email@cherrylandarc.com](mailto:email@cherrylandarc.com)

If you would like to instruct one or more modules in this series, please contact Ernie, K8RCT at [k8rct@arrl.net](mailto:k8rct@arrl.net)

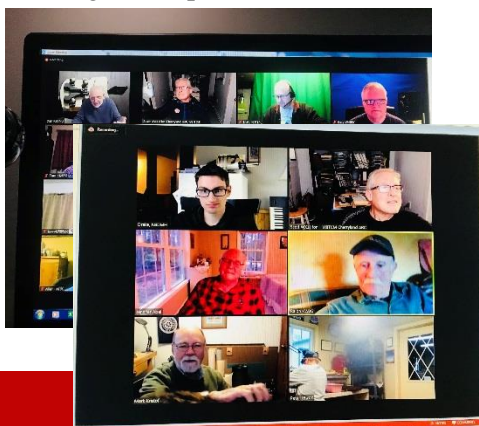
*The second initiative defined to the board, was to provide a more structured curriculum to the Tuesday evening Project Nights.*

It is the design intent, at this time, to provide topics for each project night, that will help new hams successfully get on the air and explore aspects of the hobby, while at the same time, allowing licensed hams of all experience levels to try out new modes, explore concepts they may not have been able to do without these opportunities.

*The topic list will be drawn from a survey to all members in November.*

The club is seeking topic leaders who will be able to define a two hour exploration, demonstration and/ or hands-on event of their chosen topic.

The second change to Project Night, will be that you can participate in-person or via ZOOM. This will be helpful for those with children and may avoid winter travel woes. It also allows our members who spend winters where the sun shines to also contribute or participate. The CARC operated Project Night during 2020 and part of 2021 via Zoom and found it both enjoyable and we had more participants. The in-person sessions will be live-streamed and screen sharing where possible.



**The Expanded Project Night Initiative** will still be held on Tuesday nights between 7:00 PM to 9:00 PM.

Physical location of the Project Nights will be at various sites, including **New Approaches**, **Salvation Army**, outdoors and perhaps at someone's station, as best fits the topic and the experience we hope to share.

Examples of situations may be; loading FLDIGI on your computer may best be done on Zoom. Building a two meter yagi, may better be done in person. Actually getting on-air and making contacts on FT-8 will likely be best done at an existing station. Tuning an antenna with a nano-VNA would likely best be done in-person.

**The Member Survey** that will be going out just after this newsletter is published, will ask your opinion of the topics you would like to see, and will also seek members with special experience to volunteer to take the lead one or more weeks.

# JOIN THE LEADERSHIP TEAM

By Cherry Juice Editorial Staff

## Have you ever considered being part of the leadership team of the Cherryland Amateur Radio Club?

*Do you want to learn how, welcomed in, and make a contribution to the club?*

The CARC can be a vibrant organization and very effective in growing the hobby, licenses, skills and emergency communication for the community. It's fun, educational and social. The club is only as good as the leadership team, and what makes a good board is diversity of opinion, different skills and everyone working to achieve our goals.

Now is a good time to start exploring the positions you might consider in the club administration.

Ask the current person in that position, ask others, and attend the December meeting, ask questions, think about what interests you and what you can do to move the club forward.

Then submit your name and the position you would consider. The election of officers and board for 2023 will be at the January Club Meeting on January 24, 2023. Then be there to vote. Here is a list of positions and their function within the club.



**President:** Leads the organizational direction and administration of CARC

**Vice President:** Assists the President in administration of the organization and stands-in for the President, should the President not be available during official club business

**Treasurer:** Collects funds from club activities, administrates memberships, collects dues and maintains the bank account, maintains records of financial transactions and reports same to the board.

**Secretary:** Is responsible to record and report the official business proceedings of the club and decisions taken by the board during official club meetings. The Secretary also maintains records of official correspondence between the club and outside entities.

**Cherry Juice Editor:** Is responsible to maintain electronic media accounts and access including Website, Facebook, Instagram, Twitter, etc. and Email subscription list. The Editor prepares communication to members and subscribers to communicate club activities, notices and special messages from the President as needed. The Editor also prepares and publishes the Cherry Juice, Newsletter to club members.

**Board of Directors 1, 2, and 3:** Three board members add their experience to provide balance and diversity to discussions of club business. Each director is available to take on specific tasks or lead committees to achieve organizational goals.

### Committee volunteers:

A critical role in any organization are committees that focus on achieving specific goals for the organization. While currently the only committees defined, is focused on repeater improvement and expansion.

It is possible, with your help, that in 2023, committees may be formed to take advantage of available grants from the ARRL, State of Michigan and other foundations, who have funds available to help CARC grow in service to the community. Another committee we are actively recruiting is the educational team that will teach license courses and skill building workshops in 2023. (See page 7) Other committees may become operational where needs exist.

If you would like to be on or lead a committee, make yourself known to a board member or send an email to [email@cherrylandarc.com](mailto:email@cherrylandarc.com) subject: Volunteer.



# USED EQUIPMENT SALE IS NOW... OPEN!

The Cherryland Amateur Radio Club had an opportunity to purchase a local ham's full station.

The club by-laws required that this gear was offered to members for 30 days. That 30 day period has ended and the remaining inventory is now being offered to anyone interested, member or not.

A catalog and inventory list with pricing. Is available at this link.

[Catalog & Inventory List Here:](#)

Here are some highlights; there are more equipment available

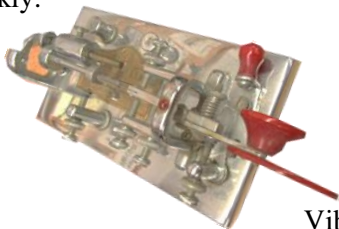
To purchase, send an email to [carcstore@cherrylandarc.com](mailto:carcstore@cherrylandarc.com) to notify us of what items you want. Phone inquiries: 248-495-3665

You can make arrangements to pick up your item when it is acknowledged that you were first to select that item.

Sales can be made by Cash or Check. The Club does not have the facility to take Cards or make change.

To order, please contact us at: [carcstore@cherrylandarc.com](mailto:carcstore@cherrylandarc.com).

Might want to do this today- Items are going quickly.



Vibroplex Original Key & 2 straight keys



Ameritron ALS-600 FET Linear Amplifier, Power Supply and Buffer



Palstar AT2K Antenna Tuner



MFJ-464 CW Keyer & Reader



Several Kenwood MC, 60, 80, 90 Mics

## THERE IS MORE!

## LOTS MORE!

# Cherryland Amateur Radio Club

Supports the  
Salvation Army  
Christmas Fund Raising Campaign



**Here's how we continue to help!**

Volunteer to Ring the Bell at Oleson's on **Dec 3rd**  
[Here's the Link to sign-up for an hour shift](#)



DOING  
THE MOST  
GOOD<sup>SM</sup>



# Northern Michigan Linked Repeater Network

By Drake Habich, N8DMH

## WIDE AREA NETWORKED REPEATERS

The Northern Michigan Linked Repeater Network (NMLRN) is a network of linked repeaters across District 7. It's Primary Purpose is for AuxComm but don't let that fool you. **We encourage anyone to use the system.**

With repeaters in Petoskey, Cheboygan, Mackinaw City, Mio, Traverse City and Fenton. This system covers a fairly large area. Since it's not using analog FM RF links between repeaters, the audio quality does not degrade. The means of linking these repeaters together is via AllstarLink. Our mission is to have all of the tower sites linked together via microwave links. With microwave, not only can we provide voice communications, but we can also provide high-speed internet to first responders in the event that cell service, 800MHz MPSCS sites go down.

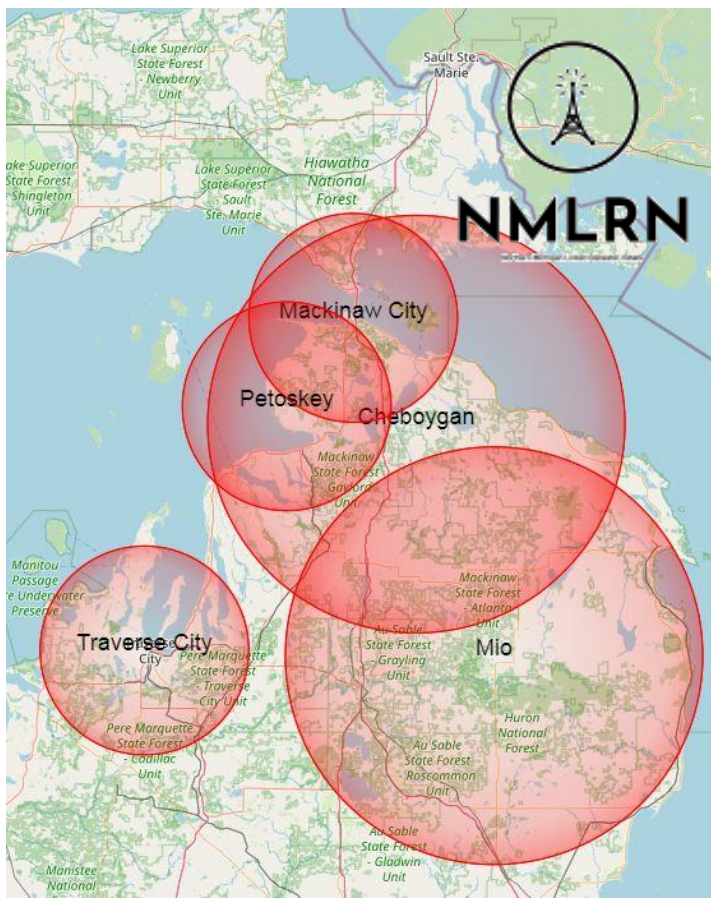
## RELIABLE COMMUNICATION SYSTEM

This system came about as a joint effort between **Traverse Bay Amateur Radio Group (TBARG)** and **Charlevoix, Cheboygan, and Emmet Counties Public Service Communications Organization (CCECPSCO)**. This System is used for various AuxComm events throughout District 7. In a real SHTF scenario with the click of a button we can link the IRA system and the Central Michigan Emergency Network linked Systems together to instantly cover the entirety of Lower Michigan. We do plan on expanding north into District 8 (Eastern upper Michigan) in the future.

## YOU ARE INVITED TO USE IT!

This linked repeater system has been running for around 4-6 months. Unfortunately, we don't see much traffic from Traverse City. This is why I humbly invite all of you within coverage of the system to give the system a shot. This system sees daily use with people all over the northern part of the state. Throw it in your scan list! Hope to hear some of you on there soon!

Find out more at [NMLRN.ORG](http://NMLRN.ORG)



CALL	RX FREQ	OFFSET	PL	LOCATION
W8CCE	443.375	+5.0 MHz	103.5	Petoskey/Charlevoix
W8AGB	145.110	-0.6 MHz	103.5	Mackinaw City & Island
W8CCE	146.740	-0.6 MHz	103.5	Cheboygan/ Indian River
N9KOP	146.700	-0.6 MHz	103.5	Mio
W8TCM	146.860	-0.6 MHz	114.8	Traverse City
W8TCM	442.500	+5.0 MHz	114.8	Traverse City
N8DMH	444.350	+5.0 MHz	107.2	Traverse City



You are welcome to join an open net on this linked system, every Thursday evening at 9:00 PM. It is Analog FM and you can check into the net in Traverse City from the W8TCM or N8DMH repeaters.

# This is Totally Off The Wall!

## A Brief story about QRP and the Fence.

One tenant of operating QRP is that you need an antenna that works. Higher is better. I remember having a ton of fun working CW with an A&A Engineering 5W rig mounted in my Volvo Station-wagon, driving home from a work-day in Manhattan, over the George Washington Bridge, in the rain, at night and working CW contact after contact, back to Massachusetts.

Then I ran the radiating wire just tacked along the top of the fence. 20M doesn't use the whole fence, but 40M does, and I tossed a rope over a 10 foot branch to support the end.

I worked that for a while with success, then added a radial, from the ground side of the Balun connection and ran it along the ground. The grounding element is 60 feet lying along the ground. I think Dave, K8WPE, would call it *Severely Compromised*.



That was dumb. Now, I wanted to get on the air while traveling with my family, for either biking, skiing, or visiting our kids. I needed, a multi-band radio and a really portable antenna. I chose the Xiegu X6100, a QRPguys EFHW Balun and a wire for 20 and one for 40. All fits easily into a small back-pack for travel.

At our Cabin in Boyne, I wanted to set up an antenna that I could just plug-into when we are there. So, I saw this fence. It runs 50 feet between me and my neighbor. I placed a hook for the balun and feedline near the house.

None-the-less, I turned the radio on one evening and worked 3 POTA stations one after another. No misses. In the morning, with coffee and overlooking a still lake from my deck, I worked three more stations in the first 15 minutes. Oh, yes, using the internal battery and only one-watt. Both times.

So, now I feel pretty confident that I can take this radio just about anywhere, make contacts at will and wherever I put my antenna wires, I think it will be better "Off Fence", than "De Fence."

By Scott, WX1J



CALL	BAND	RX	TX	QTH
KR8P	40M	599	599	MI
KD3D	40M	599	599	PA
K4GO	40M	559	599	VA
K8RLE	40M	579	599	MI
K4CBW	20M	579	579	NC
KN3A	20M	579	599	PA
K0DME	20M	599	599	CO

### Lessons Learned:

1. You will be surprised how a resonant wire will work. It doesn't need to be fancy.
2. You don't need to be perfect, just turn on the radio and transmit.
3. Find something that works, then improve on it.
4. I'm amazed at the signal reports on only one watt.



# News you can use



“With the nice weather, took the opportunity to rework the shack grounding and surge protection. Wanted to share my solution.

Yes, those are the Diamond CA-35RS. They are electrically the same as other lightning surge protectors. Even down to the exact same gas filled discharge tube. So saved a fair bit.

No noticeable change in any of the SWR readings betaken before and after on all bands from 80m to 23cm.

Just need to feed the rotors through and that’s it for the season.... I think.”

**Side note:** “This is by NO means a solution to lightning. If there is a storm coming with the potential of developing lightning, everything gets shunted and radios disconnected. No matter how much you try to protect from lightning, an extremely close strike or direct strike will damage equipment if not disconnected. Plain and simple.”

*Phil Parker*

This is lifted text and photo from Phil Parker’s Post on Facebook Ham Radio page. I am sharing here only to remind all of us what a quality job looks like and yet, that a direct hit will likely melt it all. \_Ed.

# 2022-23 Great Lakes Div. ARRL Sanctioned Hamfest Calendar

ARRL Sanctioned Hamfests through February 2023:

**12/03/2022** - [FCARC WinterFest](#)

Location: Archbold, OH

**12/04/2022** - [LCARC Amateur Radio Swap-Hamfest](#)

Location: Troy, MI

**1/22/2023** - Hazel Park Hamfest

Location: Royal Oak, MI

**02/11/2023** - [CARC Amateur Radio Swap-Hamfest](#)

Location: Traverse City, MI

For the latest detail on regional hamfests, check the ARRL web page at:  
<http://www.arrl.org/hamfests-and-conventions-calendar>.

## Coming Highlights

### November

CARC Board Meeting	1-Nov
DMR D7 Auxcom Net	2-Nov
Project Nights	8, 15, 29
CARC Club Meeting	22-Nov

### December

CARC XMAS PARTY	6-Dec
DMR D7 Auxcom Net	7-Dec
Project Nights	12, 20
No Club Meeting in DEC	

### January

CARC Board Meeting	3-Jan
DMR D7 Auxcom Net	4, 11, 18
Project Nights	10,17,31
CARC Club Meeting	24-Jan

Have something you would like to share with readers of the Cherry Juice? Please send it in! We'd love to work with you to make your article, idea or project fun for everyone.

Contact: [email@cherrylandarc.com](mailto:email@cherrylandarc.com)

## CHERRYLAND AMATEUR RADIO CLUB

President	Ernie, K8RCT	Board Member	Mark, KC8ZAP
Vice President	Glen, K8SGZ	Board Member	Drake, N8DMH
Treasurer	Ward, N8WK	Board Member	Scott, WX1J
Secretary	Hope, AA8SN		
Cherry Juice Editor	Joe, N8CN		