



The *Cherry Juice*

Newsletter of the Cherryland Amateur Radio Club

VOLUME ISSUE
52 2
February 2022

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Traverse City Swap a Success!



Neither the weather nor the pandemic kept more than 135 hams from attending the Cherryland ARC Swap-N-Shop this year. The club reported profits from the donation table, TBARG reported financial benefit as well, and a bunch of club members also paid their dues while attending! There were several VE exams given with upgrades and new licensees, and many door prize winners!

Check out the articles and photos inside this issue for full details!

Winter Flurries of Activity!

So, the swap is done and we wait 'til spring, right? WRONG! Check out the calendar inside! We've got a snowstorm of activity going on the next few weeks and there's plenty to do! Club meetings, nets, swaps almost every weekend, sometimes two!

There are also a bunch of club projects in the works, from repeater modifications to proposals for activations, to new project night activities. Make sure you make it to the next club meeting, and if you're interested in helping to plan, consider attending the board meeting the following week as well! The Cherryland ARC has a neat program line-up for this year!



Affiliated Club #1082

Save the Manistee Repeater – W8GJX – 146.78(-)

Manistee Repeater may lose home due to new Forest Service legislation

The Manistee 146.78(-) repeater is among many Amateur Radio systems located on towers that are operated by the Forest Service. New legislation has been introduced that impose some restrictions on communication systems located on such towers. There is currently no exemption or provision for Amateur Radio systems, meaning they are treated the same as commercial 2-way services, and are required to meet all the same standards, including financial, which is a significant cost (\$1400/yr, minimally). The West Michigan Repeater Association cannot support this cost model and may have to abandon their present repeater location. The WMRA group is presently seeking alternate tower locations, but those are few and none will give the coverage presently given by the Forest Service tower.

Read the legislation here:

<https://www.federalregister.gov/documents/2021/12/22/2021-27681/land-uses-special-uses-annual-programmatic-administrative-fee-for-communications-use-authorizations>

The way to help with this is to **submit a public comment using the above link**.

The deadline is before Feb 22 - so please add a comment by the end of Monday!

The Manistee repeater, like many other repeaters installed on locations within protected federal land, provides critical fill-in for communications systems that are often used for public service and support communications. In particular, the 146.78(-) repeater is a key component of communications within District 7 during our training exercises and allows us the ability communicate with EOCs downstate from within Grand Traverse County and other counties in the region.

A comment filing like the following is helpful to the cause:

Please consider an exemption or provision for Ham Radio / Amateur Radio communication systems. These systems are not commercial, are funded and maintained by hobbyists and groups, and are often used to aid state, federal and other agencies during emergency events, search and rescue events, and other critical times. Imposition of such high fees without provisions for these hobbyist-run systems effectively makes the maintenance and operation of these systems impossible, which overall decreases the capabilities of these key communication systems during events, which hurts countless community response mechanisms, and those community members in turn. Such an exemption or provision would not be difficult, as no part of Amateur Radio can be made to be used commercially, for profit, or for any way to generate business opportunity. It's clear and easy under FCC Part 97 to establish this distinction. Thank you sincerely for your consideration of such an exemption.

Please take a moment to visit the site and file a comment - you may help save countless repeaters installed in protected national land areas!



Jan. 25th Election Results

On January 25th, the Cherryland Amateur Radio Club held the first general meeting for 2022. At this meeting, election of Officers and Board Members was conducted. The slate of candidates was proposed by Ward N8WK. Glen K8SGZ asked for additional nominations for candidates. None were presented. The slate proposal was seconded by Tony KE8SBZ and the members in attendance held a simple vote to determine adoption of the slate and consent was unanimous.

Your 2022 Cherryland ARC Officers

President	Ernie Abel K8RCT
Vice President	Glen Johnson K8SGZ
Treasurer	Ward Kuhn N8WK
Secretary	Hope Francisco AA8SN
Editor	Joe Erlewein N8CN
Board Member	Drake Habich N8DMH
Board Member	Mark Christof KC8ZAP
Board Member	Scott Pyles WX1J

The Cherryland ARC exists for YOU – it's MEMBERS! We rely on YOUR INPUT AND LEADERSHIP to determine program content, activities, engagement, decisions, community event involvement, social outings, projects, and other events. If you would like to contribute to any of the above, please consider becoming a member. If you're already a member and are looking for more ways to influence the direction of the club, please consider running for an Officer position and helping to lead the group!

All of the CARC Board Meetings occur on the first Tuesday of each month, in tandem with our standing Project Night schedule at the SATERN Project Room at the Salvation Army at 1239 Barlow St. in Traverse City (near the intersection of Barlow and Boon streets). Board Meetings and Project Nights are open to all members and the public, and we invite and welcome people to attend and make suggestions, offer input, and participate in the planning and administration of the group.

If you're interested in becoming a member (or just need to renew your membership dues!) please see the last page of this newsletter for a form to print and bring to the next meeting, or drop it in an envelope with a check for your dues payment and send to the address on the form. Thank you all for being active members of such a wonderful and active club, which we constantly hear is a wonderful resource for us all to have here in beautiful Northern Lower Michigan.

February Meeting Program

This month's meeting will be a rather impromptu surprise for us all! In my inquiries to nail-down a concrete topic for the meeting this coming Tuesday Night (Feb 22nd), I received a few different responses from the board – so we're GUARANTEED to have a few interesting topics to discuss! Among the ideas proposed:

- A Swap 'debrief' and re-cap, with a slideshow of pictures and some narration.
- A "Critique" of the swap with discussions on how things went, numbers, details.
- A presentation of the current status of the club repeaters and work that is being planned.

It's highly likely that we'll probably touch on ALL of these topics, and will encourage all members to attend and learn, and perhaps even contribute to the projects in the works. I'm sure you won't want to miss the meeting this coming Tuesday night!

The following week is the board meeting, which is open to all – so if you would like to participate in the program planning for the Cherryland ARC, this is something you may want to attend!

Dayton / Xenia Hamvention News

Courtesy the OPDX Bulletin:

* Hamvention Covid Statement -- Hams and vendors hoping to attend Hamvention 2022 are asking questions about plans to deal with COVID.

Hamvention management is monitoring the situation closely. General Chairman Rick Allnutt, WS8G, has issued the following statement:

"We strongly anticipate that the Hamvention 2022 is a go. We cannot guarantee what government may decide about unknown changes in the pandemic. It has become obvious that the State of Ohio is very unlikely to call a halt to large gatherings anytime soon. Despite a recent large spike in Omicron COVID cases and hospitalizations, there is no move to restrict large indoor or outdoor events such as sports events."

Allnutt added that he anticipates the official state guidance may be to recommend (but not require) wearing a mask and social distancing.

Hamvention will support state guidance. We do not anticipate checking immunization status on site.

Some have asked whether COVID testing will be available at Hamvention. At this time there are no plans to have testing on site.

Watch hamvention.org for any updates dealing with the COVID situation.

Hamvention, an official ARRL Sanctioned Event, will be held Friday-Sunday, May 20-22nd at the Greene County Fairgrounds and Expo Center.

For more information visit www.hamvention.org.

“Cabin Fever Reliever Swap” draws a crowd!



The Cherryland ARC sure did “luck out” in 2020 – when the Pandemic hit the US, our 47th annual swap was already in the books, and was a resounding success. As 2020 trudged on, however, the cancellation of ... well.. “everything” began to happen. So as we rounded the corner from 2020 into 2021, it was pretty painfully obvious that there would be no swap in 2021. As 2021 went on, we saw some “openings” of sporadic events, and then ultimately a “hit-and-miss” event line-up at the end of 2021 and into 2022.

The sponsor of the location of our swap, GTACS, assured us that it would indeed be possible to continue with the swap plans toward the end of 2021 and into early 2022. They had no plans to cancel events and we could proceed with the swap... which was a HUGE relief to your editor - we had begun distributing the flyer in October, and were already being advertised on the ARRL site and in QST!



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Swap-N-Shop (continued)

With the green-light still shining brightly, swap plans proceeded. This was the first year that the Cherryland ARC swap was held without the Broadway-caliber direction and supervision of long-time swap chairman Joe Novak, W8TVT (2021 SK). Your editor had “taken the reins” in 2020, and Joe was present, watchful and helpful and eager to offer input on how to get things done. I don’t think the 2020 swap would have succeeded without Joe’s help. I dreaded the prospect of a 2021 swap without Joe’s presence. I guess, selfishly, I “lucked out” when the pandemic put a halt on the 2021 swap plans.

The pandemic also resulted in many other plans falling through, one of which was my sister-in-law’s wedding. Rescheduled thrice, the date they were able to arrange was the same as the swap -- I was not able to attend this year!

I am SO grateful, however, to have had such a great, eager, and highly-capable bunch of fellow club members who “know how to get stuff done!” – namely Scott WX1J. Scott stepped in and took the reins and made everything happen – literally!



*Les Butler W8MSP
ARRL MI Section Manager and Card Checker!*



Hope AA8SN and the VE Team were able to administer examinations to 11 candidates – and we had 11 upgrades! That is a 100% Pass rate!

One person tried the next test up just to see what it was like and didn’t pass it, but everyone got what they came for. We had one upgrade to Extra, four to General, and seven new Techs. The VE’s who helped me out were Roger N8KV, Dave N8PU, Justin N8QVQ, and Mark KC8ZAP. Thanks to everyone for their help!



Swap-N-Shop (continued)

From the President:

It's all over for this year but what a great return to our annual ham radio swap. It took a lot of work by a lot of club members to pull it off, but we did it. As usual for this event on the second weekend in February, the weather was lousy! Bitter cold, icy roads and winds reminded me of some of the famous swaps in the past when we had an actual blizzard going on during the swap. One fellow asked me why we always have the swap during nasty weather. I told him we look at the Farmers Almanac and see when the February blizzard is expected and schedule the event for that weekend -HI!

So, how did we do this year? According to Ward we sold 135 tickets (not bad for post-COVID event) and made \$1,241 (not counting the food concession). The TBARG group cleared another \$419 for their activities. As I said, not bad at all!

I want to thank **everyone** who helped set-up, take down and participate in the swap. It takes the whole club to make the swap a success - Thank You! Here are some special people to thank for their extraordinary effort:

- **Joe, N8CN** for planning the event
- **Scott, WX1J** for being the on-site coordinator
- **Ward, N8WK** for handling the finances
- **Pete, K8WQP** who drove down from Elk Rapids (twice) on the icy roads to help set-up/take down.
- **Hope, AA8SN** for holding VE exams during the swap (11 hams got upgraded or new licenses)
- **The Weaver family** for setting up the food concession (thanks for my annual jelly donut) and driving up from Kingsley twice to set-up and staff the kitchen.
- **Glen, K8SGZ** and **Drake, N8DMH** for hauling all the TBARG donations and staffing the TBARG table.

And lastly to **all of you** who came out to support the annual swap. It was heart warming to meet you again in person and swap stories about what we've been up to for the last couple of years.

Thank you all!
Ernie, K8RCT



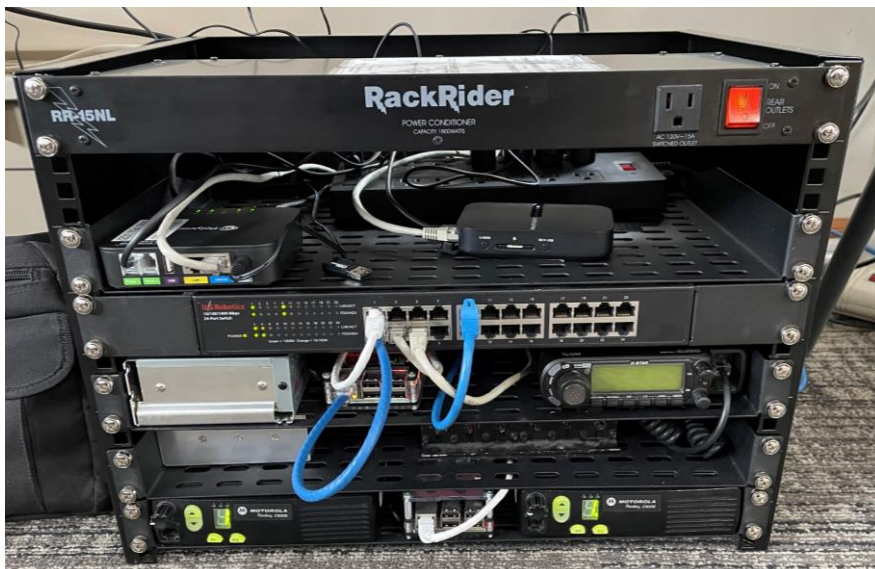
STARLINK, AMATEUR RADIO, AND EMERGENCY COMMUNICATIONS

As you may know, the Cherryland Electric Cooperative funded the purchase and use of a Starlink satellite internet system for TBARG. We have just started testing the system. So far, it is very impressive. It is my belief that this is the future of ham radio and emergency communications. Why?

Starlink gives you internet access at one location such as an Emergency Operations Center. But how do you communicate with other people or facilities when local or county internet or cellular systems go down. Ham radio. We currently have a portable DMR repeater (range 5 to 10 miles) that can be connected to Starlink. We are working on connecting our local 442.5 repeater (range that covers most of Northern Michigan) to Starlink as well. For example, an ice storm that takes down power and communications. Your hand held radio or mobile radio might be the only system that can connect to local, district, state, and federal resources.

High Bandwidth Needs – During a real event, how many messages, photos, equipment and supply requests do you think we will be asked to send/receive? Hundreds? Thousands? If people needed to be airlifted to an outside medical facility, how would you send encrypted medical information? TBARG can do this and more. Starlink and ham radio would be an extremely useful tool for our community. The goal of TBARG is to provide useful and functional tools for first responders and emergency management.

Glen Johnson
TBARG



This is the new portable rack mounted system that provides a DMR mobile repeater, D-Star radio and hotspot, two dedicated phone lines, print/scan/fax (printer not shown), ethernet ports for connecting to Starlink, small Wi-Fi file server to share photos, movies, documents (great for damage assessment).

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Cherryland Electric Cooperative donates \$1500 to TBARG Starlink Project



- Dimensions: 19" x 12" (50 x 30 cm)
- Weight (with cable): 9.2 lbs (4.2 kg)
- Height: 24" (61 cm)
- Mast diameter: 1.3" (3.4 cm)
- Operating Temperature: -22°F to +122°F (-30°C to +50°C)
- Outdoor use - IP54 rated

Gen 2 Starlink Dish (above)

Starlink Router (below)



It is a great honor to announce that the Cherryland Electric Cooperative has donated \$1500.00 for the TBARG Starlink Project. This is a one time donation to get the program started. Starlink is a satellite based internet system that will supply high data bandwidth needs in the event of a local/regional internet or cellular disruption. TBARG will be working with Northern Michigan first responders (Grand Traverse Emergency Management, police, fire, airport, Munson Medical Center, and many others). As we have learned from 9/11 and Katrina, communication is an essential component in disaster management.

The goal of TBARG is to be a leader in emergency communication skills for Michigan. We have a lot to learn in terms of integrating amateur radio with this mobile internet system. We will need to learn how to work with established IT networks, provide voice, video, and data needs for responders, and provide rapid/real world information during a crisis. For ham operators, we will be integrating this system into the 146.86 and 442.5 regional repeaters for world wide access.

As a member of the Cherryland Electric Cooperative for many years, I can attest they see "community" as not just a place to live - but a commitment to helping one's neighbors. This donation is just one of many things they do to support the people they serve. A huge thank you to Steven Weaver and the management staff at the Cherryland Electric Cooperative.

Glen Johnson

Traverse Bay Amateur Radio Group (TBARG)
Grand Traverse EC/RO
Munson Emergency Communications
Salvation Army SATURN Communications
Benzie Community Emergency Response Team (CERT)

Cadillac's swap is back in May this year **but in a new location** - please see the swap flyer attachment.

I am hoping the flyer can be forwarded to all your club members, newsletter - oh, heck...share it with the world!

73's

Carol Warnock KA8LHI

231-884-8038

Wexaukee Amateur Radio Club Treasurer
Box 163
Cadillac, MI 49601

Cadillac Amateur Radio And Computer Swap



**ARRL CARD
CHECKER
ON SITE!**

**NEW LOCATION SEE MAP
ON BACK PAGE**



**MEETINGS
FOR
U.P.NET**

Saturday May 7, 2022

Doors Open at 8:00 A.M.

Admission \$5.00

**MACKINAW TRAIL MIDDLE SCHOOL
8401 S. MACKINAW TRAIL**

FOOD and PARKING at the school!

See WWW.WexaukeeARC.org
for more details!

Talk In 146.98 Repeater K8CAD (no pl)

Tables must be paid for in advance. Any tables that were not purchased in advance will be on a first come first served basis at the door at 6 am.

Table Request (8 foot tables):

Number of tables = _____ X \$12 each _____

Everyone has to have a ticket:

Number of Tickets = _____ X \$5 each _____

Total: _____

Your Name and Call: _____

Address: _____

Your E-Mail Address: _____

Please mail a check payable to "Wexaukee Amateur Radio Club" and this completed form to:

Wexaukee Amateur Radio Club

PO Box 163

Cadillac, MI 49601

Table issues can be discussed with Don or Jan at dlabrenz@comcast.net or 231-206-5691.

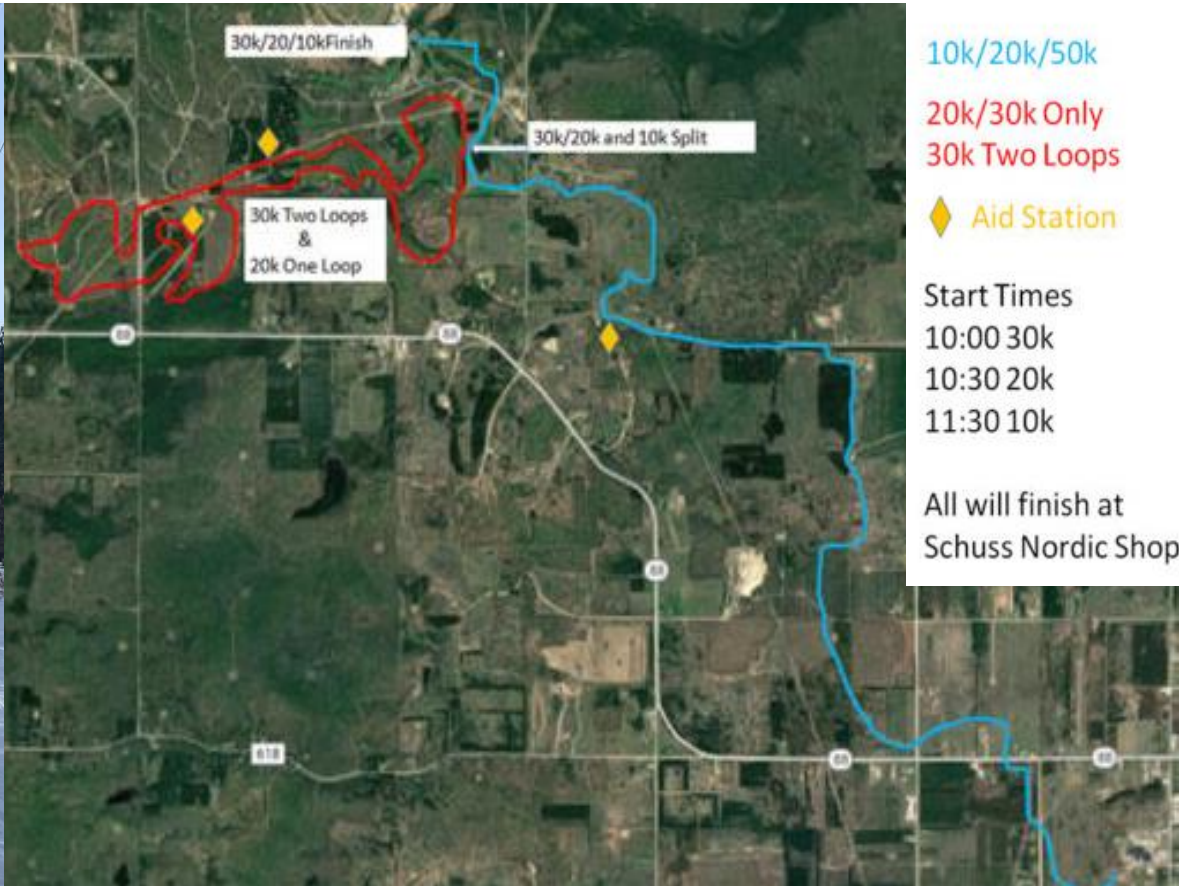
Set up starts at 6:00 am on Saturday. Set up can be pre-arranged for Friday night. We are setting up on Friday night also and have staff on site until 6 pm or so.

Special Requests: _____

Official Use: Request # _____ Received Date _____ Check _____ Cash _____ Amount _____

White Pine Stampede 2022 – Photos

The White Pine Stampede took place on Feb 5th this year, and area Amateur Operators responded to a Call For Volunteers with very short notice! Mike Cleary W8VPC was one of the organizers of the communications group that assisted WPS event organizers. Members of the Cherryland ARC, TBARG (Traverse Bay Area Radio-Emergency Group), CCECPSCO (Charlevoix, Cheboygan and Emmet Counties Public Service Communications Organization), and other groups, gathered and deployed along the 3 courses – 10K, 20K, and 30K lengths. All courses started at the Mancelona High School.



The group made use of various forms of communication during the event, such as Amateur Radio repeaters and simplex, the MPSCS 800 radio channel Event G12, A private Zello channel, and also the OTEC UHF repeater in Mancelona on 463.825.

The group was able to make use of the CCECPSCO command post trailer located at Schuss Mountain.

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Photos Courtesy Adam Price N8APX / Facebook -

Some photos of this weekends activities. The CCECPSCO assisted Antrim County Emergency Management /CERT with communications for the White Pine Stampede cross country ski event on Saturday. We deployed the trailer as the command post and coordinated multiple checkpoints along the course. The event was a great success despite the bitter cold faced early in the day. Most communications took place on the Zello app which really became the center focus after 800 MHz MPSCS coverage proved unreliable and virtually unusable. Zello also proved to be a win in interoperability due to the ease of coordinating members that were not amateur radio operators. A huge thank you to all of those that made our operations a success!



Coming March 12-13, 2022

QSO Today Virtual Ham Expo

The next QSO Today Virtual Ham Expo will be held live from March 12-13, and then on-demand for 30 days afterwards. We promise an amazing learning and networking experience to help you improve your amateur radio knowledge and get exposed to new ideas, equipment, and practical techniques. No need to travel - participate from your home or office! Information can be found at <https://www.qsotodayhamexpo.com>.

Listen, engage with 60+ internationally recognized ham radio luminaries. Our speakers are experts and deeply know their material. Most importantly, they've worked hard to make sure that you'll understand the material and can apply it immediately to your projects.

So, so many different topics - everybody will find something of high value. There's content for everyone whether a newly licensed ham looking for next steps to using that license or a 30+ year experienced ham looking for new projects. Some of the more interesting presentations include: *Core HF Communication Concepts; Fundamentals of Shortwave Propagation; Deep Dive of An FPGA DVB-S2 Implementation; Fun With The NanoVNA; and Helically Wound Vertical for 160M.* [Click Here for Presentation List](#)

Watch as many presentations as you want! A big limitation of in-person events is that you can't watch many of the presentations (you can only be in one room at a time). At the Expo, return anytime within 30 days to view any speakers and presentations you missed as well as explore exhibitor offerings.

[QSO Today Virtual Ham Expo Main Website](https://www.qsotodayhamexpo.com)

A QSO Today Partner



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ELECRAFT

Check out our live [Kumospace](#) video lounges for attendees to interact with each other and exhibitors. At the Expo we'll debut exciting but proven technology to further improve the live video interaction experience with exhibitors and fellow operators. You'll find this is a great way to meet up with friends, talk to vendors, and network on specific subject areas.

Take advantage of our calendar technology to efficiently organize your time. Once our presentations are scheduled, you can download speaker times in your local time zone directly to your Google or Outlook calendar. You'll then have a complete schedule of sessions to join to maximize your time during the Live period with speakers that are the most important.

ARRL, the national association for Amateur Radio®, is a QSO Today Virtual Ham Expo Partner. FlexRadio is the Expo's Platinum Sponsor, Elecraft is our Gold sponsor as of this time.

Early Bird Tickets will go on sale February 1st, 2022, and are just \$10 (through March 6) and then \$13.50 to the end of the on-demand period. Tickets include entry for the Live 2 day period and the 30 day on-demand period. Save on gas, lodging, and transit time to attend the QSO Today Virtual Ham Expo on March 12th and 13th. For more information, go to <https://www.qsotodayhamexpo.com>, or click on the blue button below.

Save the dates: March 12-13, 2022 on your calendar!

CARC CALENDAR

February 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
20 SMASH Net 3.935 MHz 9:00 AM	21 TBARG & MESH NETS 146.86 MHz 8:00 PM	22 Breakfast Big Boy - 9am Club Meeting Salvation Army 7:30 PM	23 TBARG District 7 DMR Net TGIF Talk Group 2416 TC: 443.3125+ TS1 8:00 PM	24	25	26 SATURDAY NIGHT LIVE NET - 8:00 PM PL 114.8 Sherman Hill Repeter Livonia ARC SWAP
27 SMASH Net 3.935 MHz 9:00 AM	28 TBARG & MESH NETS 146.86 MHz 8:00 PM	March 2022				
		1 Breakfast Big Boy - 9am Board Meeting Salvation Army 7:30 PM	2 TBARG District 7 DMR Net TGIF Talk Group 2416 TC: 443.3125+ TS1 8:00 PM	3	4	5 SATURDAY NIGHT LIVE NET - 8:00 PM PL 114.8 Sherman Hill Repeter Cave City Hamfest
6 SMASH Net 3.935 MHz 9:00 AM	7 TBARG & MESH NETS 146.86 MHz 8:00 PM	8 Breakfast Big Boy - 9am Project Night Salvation Army 7:30 PM	9 TBARG District 7 DMR Net TGIF Talk Group 2416 TC: 443.3125+ TS1 8:00 PM	10	11	12 SATURDAY NIGHT LIVE NET - 8:00 PM PL 114.8 Sherman Hill Repeter QSO Today Virtual Expo MOVARC Hamfest
13 SMASH Net 3.935 MHz 9:00 AM QSO Today Virtual Expo OH Winter Hamfest	14 TBARG & MESH NETS 146.86 MHz 8:00 PM	15 Breakfast Big Boy - 9am Project Night Salvation Army 7:30 PM	16 TBARG District 7 DMR Net TGIF Talk Group 2416 TC: 443.3125+ TS1 8:00 PM	17	18	19 SATURDAY NIGHT LIVE NET - 8:00 PM PL 114.8 Sherman Hill Repeter Kalamazoo Hamfest
20 SMASH Net 3.935 MHz 9:00 AM TMRA Hamfest	21 TBARG & MESH NETS 146.86 MHz 8:00 PM	22 Breakfast Big Boy - 9am Club Meeting Salvation Army 7:30 PM	23 TBARG District 7 DMR Net TGIF Talk Group 2416 TC: 443.3125+ TS1 8:00 PM	24	25	26 SATURDAY NIGHT LIVE NET - 8:00 PM PL 114.8 Sherman Hill Repeter
27 SMASH Net 3.935 MHz 9:00 AM	28 TBARG & MESH NETS 146.86 MHz 8:00 PM	29 Breakfast Big Boy - 9am Project Night Salvation Army 7:30 PM	30 TBARG District 7 DMR Net TGIF Talk Group 2416 TC: 443.3125+ TS1 8:00 PM	31	1	2 SATURDAY NIGHT LIVE NET - 8:00 PM PL 114.8 Sherman Hill Repeter

[Did you know we have an Online Google Calendar that is always up-to-date?](#)

[You can even add it to your phone, See more Nets, and get reminders.](#)

[Check it out:](#)

http://cherrylandarc.com/?page_id=26



When is the next SWAP – N – SHOP ?

2022 Great Lakes Division ARRL Sanctioned Hamfest Calendar

February 26th, Livonia ARC Swap & Shop, Redford MI
March 5th, Cave City Hamfest, Cave City, KY
March 12th, MOVARC Hamfest, Bidwell, OH
March 13th, Winter Hamfest, Elyria, OH
March 19th, Michigan Crossroads Hamfest, Kalamazoo MI
March 20th, TMRA Hamfest and Computer Fair, Perrysburg, OH
April 9th, Cuyahoga Falls ARC Hamfest, Cuyahoga Falls, OH
April 24th, Athens Hamfest, Athens OH
May 5th, Wexaukee ARC Cadillac Hamfest, Cadillac, MI
May 20th, Dayton Hamvention, Xenia OH
May 21st, GMARC Trunk Swap, Shelby Township, MI
June 4th, IRA Hudsonville Hamfest, Hudsonville MI

Coming Highlights

February

Club Meeting FEB 22

March

Board Meeting MAR 1
Project Nights MAR 8,15,29
Club Meeting MAR 22

CARC Membership Application form

Last Name: _____ First Name: _____ Nickname: _____
Callsign (if any): _____ Class (if any): _____
Street: _____ City: _____ State: _____
Email (we promise not to spam): _____ ZIP: _____
Home Phone: _____ Work Phone: _____
Occupation: _____ Spouse (if applicable): _____
ARRL Member? (Y/N): _____

Membership Rates

- \$24 Single Membership
(+\$2 Family Membership (same residence))
- \$5 Student Discounted Membership

Send Form To:
Cherryland ARC
PO Box 987
Traverse City, MI 49685 ... or just bring it to a meeting!

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
Recording Secretary	Hope, AA8SN	Cherry Juice Editor	Joe, N8CN