

Hiawatha Amateur Radio Association of Marquette County
"ARRL Affiliated Since June 7, 1933"

July 2022

The Standing Wave



The monthly newsletter of the Hiawatha Amateur Radio Association of Marquette, Michigan. Comments and suggestions can be sent to the club at P.O. Box 1183, Marquette, MI 49855 or to the editor at n8nav1@charter.net Club info, membership, dues, etc. can be found on our website at www.qsl.net/k8lod

MONTHLY MEETING:
Marquette Co. Health Department
Lower Level, Negaunee Township
Date: August 4, 2022
Time: 7:00 PM

CLUB OFFICERS, 2022
Pres. Lou Gembolis, KG8NK
VP: Greg Hanson, KI8AF
Treas. Mike Beltz, KD8JIR
Sec. Scott Machalk, WU8H
Board Members:
Fred Mouser, KD8JIP (Past Pres.)
Jim Belles, N8NAV (EC)
Dave Thomas, KD8DRF

STANDING WAVE
Editor, Jim Belles, N8NAV
Distribution, Greg, KI8AF

REPEATERS
With the proliferation of local and regional repeaters, it is no longer feasible to list them individually. However there is an extensive list – and map – contained in the HARA website at www.qsl.net/k8lod.



FROM THE PRESIDENT

At the July HARA meeting there was a short demonstration on building an End Fed antenna including the 9:1 balun. This is a very easy antenna to make and most supplies can be found locally. You Tube and eBay are other sources to find antenna supplies. You Tube also has excellent videos on antenna construction and usage.

If you are into kit building, we would like to have someone give a demonstration at a future HARA meeting. Please contact us if you are willing to do this. August is going to be a busy month with the HARA picnic, Ore to Shore bike race, and the UP Hamfest in Rapid River on the first Saturday in August. Please remember the DMR net at 6:30 pm and the ARES net at 7:00 pm every Sunday evening.

73, Lou, KG8NK

V.E. TESTING:

Stay Tuned *Marquette: 8:30am eastern time, (arrive by 8:00am) Marquette County Health Dept. Bldg., U.S. 41 just east of the Michigan State Police Post. You MUST preregister at least by the Tuesday evening preceding the Saturday test date. Contact Rich N8GBA at 249-3837, n8gba@att.net or Greg KI8AF at ki8af@arrrl.net.*

Please arrive one-half hour early for test sessions to give time to process applications. Testing applicants should bring the following items with them: Two pieces of I.D. one being a photo I.D., Original license and one clear copy of their license if applicable, Completed form 605 (one will be provided if you don't have one), pencils, calculator and the test fee of \$15.00. Please have the correct fee as examiners do not carry change. **You must have an FRN and provide a valid email address.** *Please contact the individual(s) listed to confirm date(s), location(s), etc.*

Note: Other clubs in the area may offer license testing. For a listing you can go to the ARRL website at arrrl.org. Click on *Licensing, Education, Training*, then *Getting Licensed*, and then *Find An Exam Session*. You can search by zip code or other criteria.

HARA's Monthly Meeting Programs

NOTE: The Club is always looking for Ham Radio-related programs of interest to the membership. If you have something in mind, please contact VP Greg Hanson @ ki8af@arrrl.net.

The Business

HIAWATHA AMATEUR RADIO ASSOCIATION July 7, 2022

Attending: President - Lou KG8NK; VP - Greg KI8AF; Treasurer - Secretary - Scott WU8H, 10 additional members and 4 guests.

President Lou KG8NK opened the meeting at 1900 with introductions.

Agenda: Greg, KI8AF, added one item to the agenda. A motion to approve the revised agenda was made by Fred, KD8JIP, seconded by Dave, KD8DRF. Approved.

Secretary's Report: A motion to approve the June minutes was made by Bill, KC8EWD, seconded by Jim, N8NAV. Approved.

Treasurer's Report: A motion was made by Jim, N8NAV, for the club to reimburse Mike, KD8JIR, \$75.71 for food for Field Day. The motion was seconded by Dave, KD8DRF. Motion approved.

Motion to approve the Treasurer's Report was made by Dave, KD8DRF, seconded by Fred, KD8JIP. Approved.

Correspondence: None.

Committee Reports:

Repeaters:

- Greg KI8AF is still working with Paul KB0P to construct a new cable for the .82 repeater.
- There may also be a grounding issue with the .27 repeater that will need to be resolved.

ARES/RACES:

- Jim, N8NAV, reported that we 21 Hams either operate or observe our Field Day operation, which included CW, Satellite, Digital and SSB positions. Brian Hummel, Mgt. Co. Emergency Manager, spent most of the afternoon with us and was impressed with our operations. Great job, HARA!
- Jim received notification that a certificate will be forthcoming for our 1st Place finish in the April Winlink exercise.
- If you are a Net Controller for one of our local nets, Please send your after action reports to Jim (@ n8nav1@charter.net) so that he can include them in his monthly report.
- If you are interested in becoming an ARES member, contact Jim.

Old Business:

- Field Day – covered above.
- .82 Repeater – covered above.

New Business:

- The annual club picnic will be held at the Sands Township Hall on August 4th. Watch your email for details.
- The Ore to Shore Mountain Bike Epic will be held on August 13, 2022. Eric, N8RRZ, has agreed to coordinate. He is looking for volunteers to help. If interested, contact Eric at esmith@nmu.edu.
- Eric is also coordinating the Marquette Marathon on September 3, 2022. Again, contact Eric for more information.
- Tom Nelson, N0GQA, spoke to the group regarding the upcoming Lake Superior Performance Rally (LSPR) to be held the weekend of October 14-15, 2022. While the specifics of the course are still under discussion, it will take in a large area of real estate including Marquette County. Tom is seeking the assistance of interested local Hams. More information will be forthcoming.
- There will be no raffle in conjunction with the HARA Swap & Shop in October.
- Dave, WD8PAK, discussed the possible benefits of moving the club accounts to a Credit Union. The Treasurer will investigate.

50/50: No drawing this meeting.

Adjournment:

Motion to adjourn at 1952 by Bill, KC8EWD, seconded by Fred, KD8JIP. Approved

Program: Lou KG8NK, gave an informative presentation on End Fed antenna construction. These can be very useful for portable operations such as Parks on the Air or Field Day.

Minutes submitted by Scott WU8H

Friday Lunch is back!
(meet in the back room at Big Boy at 11:00 am)



Left side: Judi, KE8LRW, John ex-N8RSE, Jim, N8NAV, Dave, KD8DRF (hiding), Greg KI8AF
Right side: Don, N8HDT, Tom, KC8OND, Bill, KD8ZEG, David KE8PND, Fred, KD8JIP

Happenings!

The following is a list of local events that, as of press time, **are** happening:

- HARA Annual Picnic – August 4, 2022 at the Sands Township Hall ...
- UP Hamfest – August 6, 2022 at the American Legion Post in Rapid River. www.k8pl.org.
- Ore to Shore Mountain Bike Epic – August 13, 2022 in Marquette. Contact Eric, N8RRZ.
- Marquette Marathon – September 3, 2022 in Marquette. Contact Eric, N8RRZ.
- HARA Swap & Shop – October 22, 2022 at the Negaunee Township Hall. Contact Fred, KD8JIP.

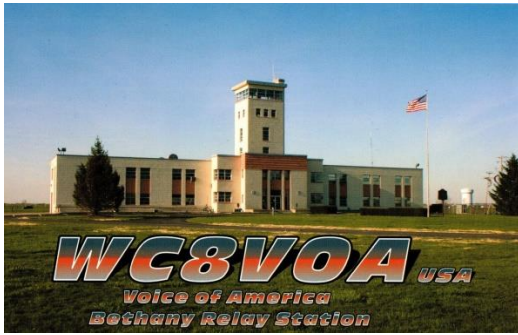


HARA 10-meter Net

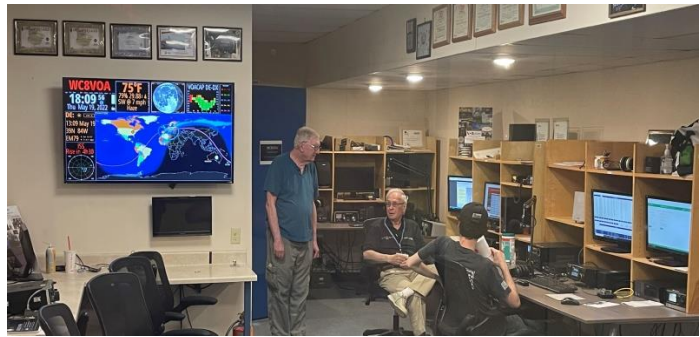
Some months ago, the club established a weekly get-together on 10 meters. The original intent was to give those Hams with a Technician-class license a chance to gain experience on HF SSB. Since that time, it has grown into a combination rag-chew, Health & Welfare and generally an old-fashioned good time! We continue to have a good showing of “regulars” and visitors! With the Cycle 25 (hopefully) increase in propagation, 10 meters appears to be hopping. We meet on **28.396** on Friday nights at 7:00 pm local time. Net control is usually Greg, KI8AF. Because it is a local net, you don’t need to run much power or have a big antenna installation to be heard. So finish your Friday fish fry early and join us on 10 meters! We look forward to hearing you!

National Voice of American Museum of Broadcasting

If you are like me, one of the enjoyments of our radio hobby is shortwave listening. Listening to shortwave stations is a fascinating way to learn more about a particular country or region – both friend and foe. The United States was (is) no stranger to the shortwave bands – with such powerhouse stations as the Radio Free Europe, Radio Liberty and, perhaps the granddaddy of them all – the Voice of America (VOA). Although no longer an “active” transmitter site, the Bethany (Ohio) VOA relay station (www.voamuseum.org) is now a very impressive museum. It is also home to the West Chester Amateur Radio Association club station, WC8VOA. You can learn much more about both from their website. Better yet, while in the area pay them a visit. They are normally open on weekends, but have extended hours during Hamvention weekend.



The club QSL card with a picture of the station/museum.



A portion of the club's VERY IMPRESSIVE operating positions.



Home of the “8 District” QSL Bureau (where your paper QSL cards start off).



John V. inspects some of the museum's reel-to-reel recorders.



The VOA control room



An antique broadcast radio position.



A diorama display of the VOA antenna farm.

Newberry Swap – June 11, 2022

Summer is definitely Hamfest season and the UP is no exception. Several HARA members (and guests) – Lou, KG8NK, Greg, KI8AF, Fred, KD8JIP, Rich, N8GBA, Ralph, N8HXT, Bob, N8PKN, Jim, N8NAV, Dave, WA8DOF, John V. – made the trip and had an enjoyable (and profitable) time.



Delta County displayed their impressive communications trailer.



A good crowd. If you look closely, you can see some HARA members checking out the goodies.



Tower Electronics was doing a good business!



Thanks to the ARRL for making an appearance.

A Note about Newsletter Submissions

Some things to keep in mind when submitting items to be published in the Standing Wave:

1. We always prefer photos of Hams in action over those just depicting random people or scenery.
2. We'd love to include captions to go along with the photo. So please identify the individual Ham(s) as well as the activity. THANKS!
3. Please submit written material in MS Word format.

Club Challenge

Stay tuned to this space for the next challenge.

Your thoughts and ideas are always appreciated.
You can send them to a Club officer or me.



News

from the desk of N8NAV



As I pen this article, Field Day 2022 is in the books. I was happy to see our club make a notable appearance! As the photos show, we managed to put together an impressive array of positions, including CW, SSB, QRP and Satellite. It was decided early on that each station would operate individually and be responsible for keeping their own score – or not. The important thing was that we, once again, demonstrated to ourselves – and the general public – our ability to operate in the field. And, most importantly, have a good time! Thanks to all who contributed!



Dave, W7DEG demonstrates portable satellite radio to Mqt. Co. Emergency Manager Brian Hummel



Greg, KI8AF, working FT8 contacts while Dave, KD8DRF, and Bill, KC8EWD look on.



Mike, KD8JIR, finds an innovative substitute for warning tape!



Bruce, KG8YT, shares his CW knowledge with Brian Hummel while Lou, KG8NK looks on.

If you are not currently an ARES member, we are always looking for new members. If interested, you can download an application from the ARRL website, www.arrl.org/ares and email it to me at n8nav1@charter.net.

73 de Jim, N8NAV

Buy, Sell, or Trade

Please advise when items have been bought or sold.

Ryan, N8RY, has the following for sale:

1. Ameritron AL-1500 linear amplifier (pre-MFJ)
2. Yaesu FT-1000mp MKV Field (built in pwr supply)
3. Yaesu FT-920 (HF+6M)

If interested, or for more information, contact Ryan at n8ry@chartermi.net.

Looking to buy some materials to get my new Ham Shack set up. If you have any of these items in good working order, I'm interested in buying them:

- 100+ feet of low loss coax cable
- base antennas for any and all of the following bands, 10m, 6m, 2m, 70cm
- PL-259 connectors.
- What else do I need?

Thanks. Tom KE8TPT. perryte@att.net, 906-362-4861.

Parting Thoughts

1. **Field Day Report by Bruce, KG8YT**

I have always loved Field Day. The idea of transporting ham gear to an outdoor setting and erecting some kind of temporary, often compromised, antenna, and making contacts with stations similarly set up has always fascinated me. In the recent years I have set up in the Pictured Rocks area, far away from the power grid and its noise. And in this Covid period I have worked from home, last year setting up on my front porch with my QRP (low-power) rig and my tiny AX1 antenna and its 45" whip. The operating challenge was been to make as many contacts as possible with 5 watts of power and using Morse code, or "cw" mode, my favorite mode of operation.

This year, in part because several of our members have displayed an interest in learning and mastering the code, and also because I had received the full regimen of Covid shots, I decided to become more sociable and take part in the club's Field Day set-up at the West Branch Township Hall. It was great seeing ham friends that I had not seen in all too long. We hams are, after all, a community of friends drawn together by a common but diversified interest. No matter whether it is SSB, FT8, satellite communication, or cw, it is all ham radio.

Along with a trunk-load of "just in case" equipment that I never used, I had brought my Elecraft KX2 and my home-brew fishing pole vertical antenna with its twelve 16.5 radials, which I set up just outside the picnic shelter. (Once set up, the antenna leaned slightly left, a reflection of my political beliefs. ☺) Band conditions seemed OK if not great, and I eagerly awaited 2:00, when Field Day operations would officially begin.



Operating cw is somewhat of a passion with me. I have always been fascinated by the challenge and mystique of the Morse code and its historical link to the very origins of radio communication. Other people are better at it than I am, but I am at least comfortable enough with it that the ratio of enjoyment to frustration is high. The mental process of turning bits of sound into letters and words gives me pleasure much in the way that I imagine those who are fluent in a foreign language feel. I am also somewhat passionate about using a minimal amount of power. As one QRP adage puts it, "When you care enough to send the very least." I rarely use more than 5 watts of power, and the majority of contacts in my logbook have been made with only 2 watts. For Field Day I kept my power setting at 5 watts.

Once the event got into full swing, I started sending out my call sign to stations I heard sending CQ's. Operating QRP as I did, I knew that I would have as many misses as I had hits, but that made each of the hits that much more of a triumph. Adding to the pleasure of successful contacts was the interest shown by other operators and Field Day visitors. Once a teacher always a teacher, I guess, so I enjoyed explaining some of the ins and outs of cw operation, as well as some of the features of my little rig. I can only hope that I was able to convey a little understanding of cw operation and, for some, a tiny bit of excitement about its possibilities. In the two and a half hours that I operated on the 20-meter band, I was able to make thirty-two contacts, with stations as far away as Oregon, Texas, Arizona, and Montana, as well as stations in closer states. This certainly wasn't anywhere close to the rate that serious contesters would hope for, but it satisfied my desire to simply have fun operating on Field Day. All in all, the people, the weather, and the joy of making cw contacts made for a very enjoyable day, and I look forward to doing it all again next year.

1a. **Greg's Field Day comments:**

I believe I accomplished what I wanted to do, that was to show and tell something about the FT8 digital mode. I also demoed and answered questions about the DX Heat reflector, LOTW and Winlink. In the FT8 mode I made 19 contacts demonstrating the process of making a contact and the reply back from the other station. At the operating position I used a Yaesu FT-840 and USB Signalink, a laptop computer and a Buddipole antenna in a dipole configuration about 8 feet high. I managed an FT8 contact with a German station as well as Cuba just prior to FD starting. Overall I believe our FD event went very well and had a good turnout.

Greg, KI8AF

2. **UP 200/MNR Ham operator's duties and responsibilities (D&R)**

It is a challenge each year to recruit ham radio operators to volunteer to assist with community events. I volunteered this year for the first time to help out with the UP 200/Midnight Run(MNR) sled dog races. I thought maybe if I shared my thoughts and experiences with the ham radio association members maybe others will see what it is all about and will also volunteer.

So here goes, my take on what you have to do as a radio operator out in the field along the course somewhere.

1. The ham's number one responsibility is to provide communications. Some/most remote field locations have little or no cellphone signal. We are there to provide communications for emergencies, unplanned team difficulties and race timing progress. The snowmobile teams that precede the first team and follow the last team have 800 Mhz network communication separate from the ham network.
2. The D&Rs are not difficult. The biggest commitment is in the time you spend on your post. Some posts take longer than others from when you arrive to when you can leave. In general, it seems the MNR only portions of the trail have shorter time requirements(shorter course with less time between teams).

3. The ham radio net is a directed net. That is, ALL communications are directed to and from the net control station (NCS). If you need or want to speak to another field ham operator, you need to seek permission from the NCS.
4. There will also be at least one or more UP 200 volunteer at each field location/post with you.
5. Many posts have bonfire rings and areas for spectators to hang out. This makes for a fun time with sled dog enthusiasts.
6. Report into HQ when you arrive at your post and don't leave until the snowmobile sweep team has passed and HQ releases you.
7. There are two general types of posts, I'll call them checkpoints and road crossings.
 - a. The checkpoints are: Marquette start point, Chatham, Wetmore, Grand Marais, finish line for MNR and finish line for UP 200.
 - b. All other posts are just road crossings.
8. If you are assigned to one of the checkpoints you need to locate and coordinate with the person-in-charge. They need to know who you are and should tell you where they want you to set up your radio station/vehicle. They will seek your assistance in emergencies and will also provide you with the "official" time and team status for you to report to HQ's. They will give you a form for each team listing the bib number, the time(to the nearest second/HH:MM:ss) as well as the number of dogs running and dogs in the basket. This information needs to be reported to HQ as soon as practical. If you are busy, waiting to call multiple reports in at one time when there is a lull in the action is acceptable.
9. If you are at a road crossing you just need to report the bib number and unofficial time to the nearest minute as the teams pass by. There should be other volunteers there to help with traffic control. At major highway/road crossings there should also be law enforcement for traffic control as arranged by HQs.
10. Dress warm. Have fun. Enjoy the crowd. Cheer on the teams.

73, Tom KE8TPT

(Note: Tom originally submitted this article shortly after the UP 200. It got battled around various "in" boxes and is published now with my sincere apology for the tardiness! – Ed.)

3. From our collective memories, the following folks either operated, or visited, our HARA Field Day site on June 25, 2022:

Jim N8NAV, Brian Hummel (Mgt. Co. Emergency Manager), Greg KI8AF, Mike KD8JIR, Fred KD8JIP, Judi KD8LRW, Lou KG8NK, Bruce KG8YT, Steve KE8HEP, David KE8PND, Dave KD8DRF, Joe KB0UPC, Bill KC8EWD, Gary KI8DJ, Joshua K8GBT, Jonathan K8JDT, Daniel KE8NQQ (and Grandfather), Dave W7DEG, Scott WU8H (and XYL), Troy KE8MMF, Lucille KD8PTE and Tom KE8TPT. **I apologize for anyone we might have missed. – Ed.** A big **THANK YOU** to Mike, KD8JIR, for coordinating the event and for securing such a great Field Day site!

U.P. Hamfest 2022

Sponsored by the Delta County Amateur Radio Society

Saturday August 6th 2022

9 am to 1 pm EDT

American Legion Post 301

10584 N Main St
Rapid River, Mi. 49878

Coordinates 45.9298° N -86.9667° W

Talk in 147.150 (+600 / 100 PL)

Swap Info:
All tables \$5.00

Send all table registrations to:

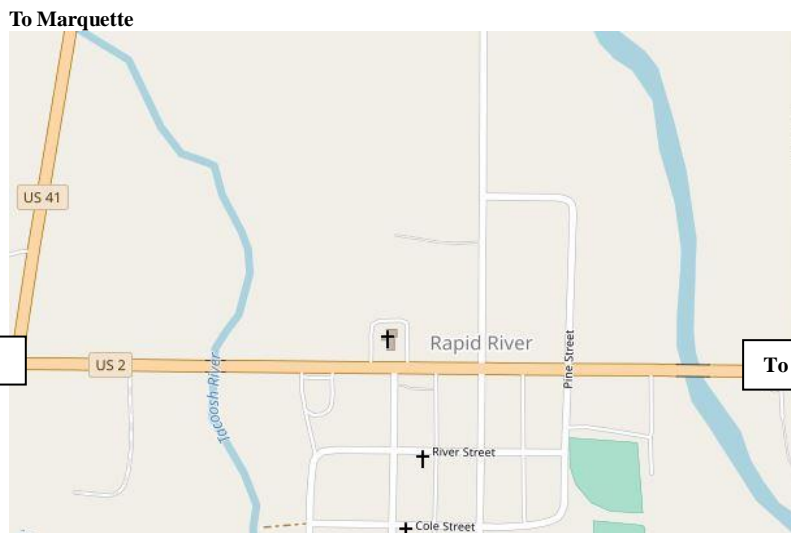
Walt K8WLT 906-420-3449 waho@chartermi.net

Setup Friday 5pm to 7pm and Saturday 7am to 9am

Food and refreshments will be available

\$5 Admission and Door Prizes

www.k8pl.org



Meeting rooms are available:

- U.P. Net
- UPARRA
- ARES

At the flashing caution light in Rapid River, turn North on Main St. and travel 2/10 of a mile. Hamfest is on the right

Local Weekly DMR Net

The weekly DMR net starts each Sunday evening at 6:30 pm local time and is finished by the start of the HARA Sunday evening net at 7:00 pm.

The DMR net meets on our local KB0P DMR repeater and/or the U.P. Michigan Talk Group. Lucille KD8PTE is usually net control, although she has recently been experiencing some radio problems and Dave, W7DEG, has stepped in to help!

Repeater: 442.200 MHz receive/447.200 transmit. U.P. Michigan Talk Group: 31268



That's a wrap for this month!

HARA membership New member or need to renew your membership? Dues can be mailed to the: Hiawatha Amateur Radio Association, P.O. Box 1183, Marquette, MI 49855. Dues annual rate structure: Single \$15.00, Family \$20.00, Associate \$10.00, Family associate \$15.00, Student \$7.50. More information and an application form is available at <http://www.qsl.net/k8lod/membership.html>

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