

May 2021



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 County Health Department Bldg., Lower Level, Negaunee Township.
Date: **Stay Tuned**
Time: 7:00 PM

CLUB OFFICERS, 2021

Pres. Lou Gembolis KG8NK
VP: Greg Hanson KI8AF
Treas. Mike Beltz KD8JIR
Sec. Lee Rowe KD8BJC
Board Members:
Fred Mouser KD8JIP (Past Pres.)
Steve Novotny KE8HEP
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

It is hard to believe that another month has come and gone. The goals that I set for this past month regarding Amateur Radio were not fully accomplished, especially increasing my Morse code speed. We still don't know when we will be able to hold our meetings at the Health Department, so for the June meeting site we will let you know.

We are planning on holding our annual club picnic in place of the August meeting and there will be more information sent to you.

There are plans to hold a one day Field Day event at the end of June, and we are setting up the event and location with more to follow (see the updated information in the Parting Thoughts section – Ed.).

A big HARA thank you goes to Greg (KI8AF) for getting the .27 site back on the air. He has spent many hours working at the site. And another thank you to Rich (N8GBA) for his excellent presentation on Fox Hunting given at our last club meeting.

73, Lou, KG8NK

V.E. TESTING:

June 5,
2021

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@arrl.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

Future: Greg KI8AF, Antenna Analyzers, Antenna Tuners and Dummy Loads

NOTE: The above is a partial list of upcoming programs. 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

MAY 06, 2021

Officers present were: President: Lou Gembolis KG8NK; Vice-President: Greg Hanson KI8AF; and Treasurer: Mike Beltz KD8JIR. The Secretary: Lee Rowe KD8BJC was absent.

The meeting was called to order at 7:00 pm by the Lou KG8NK.

Introduction and Attendance: The Club had 16 members in attendance.

President's Report: Lou KG8NK welcomed everyone to the second post pandemic meeting at the West Branch Township Hall.

Secretary's Report: The April's Secretary Report was published in the Standing Wave.

Treasurer's Report: Treasurer Mike KD8JIR submitted the report for April. One correction needed to be made. Under "Income", Gary's call sign needed to be changed from NT8H to NJ8H. With that change, a motion to accept the report as submitted was made by Dave KD8DRF and seconded by Don N8HDT. The motion passed.

Business:

A: Picnic – Mike KD8JIR will check into Sands Twp. to see if it's available.

B: Field Day – Mike KD8JIR will check into West Branch Twp. to see if it's available.

C: Ore to Shore – We need someone to chair this event.

D: RF testing – Fred KD8JIP gave us information on the new FCC guidelines and we need to do.

E: Repeater – Greg KI8AF gave us the update on the .27 repeater and what needs to be done in order for it to get back on the air. NMU has Range Telecommunications doing all of the work at the site and after some discussion, the club members present agreed to have Range make all connections needed to make the .27 operational. The estimated cost was \$980.00, Lucille KD8PTE made a motion to approve the funding. The motion was seconded by Dave KE8PND. The motion passed unanimously.

F: Gas Card: A motion was made by Lou KG8NK and seconded by Dave KD8DRF to get a \$50 gas card for Greg KI8AF for all the travel expenses incurred getting the .27 repeater back on line. The motion passed.

Other comments - Newberry was having their Hamfest on June 5 (actually June 12).
The Coast Guard planned exercises are now going to be on-line.
Mike KE8IL let everyone know about the Marquette Repeater meeting May 18.
Lee KD8BJC has an antenna for sale. Contact her for details.

50/50 Drawing: None

Adjournment: At 7:40 pm, a motion to adjourn was made by Dave KE8PND and supported by Mike KE8IL. The motion passed.

Post Meeting Program: Rich Schwenke N8GBA presented a program on “Fox hunting”

Friday Lunch is back!

If interested in attending, contact Greg, KI8AF, at ki8af@arrl.net.



Left side: Mike KE8IL, Don N8HDT, Jim N8NAV, John ex-N8RSE, Greg KI8AF,
Right side: David KE8PND, Dave KD8DRF, Alma xyl of Dave KD8DRF, Rich N8GBA

Happenings!

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

- Newberry Swap – June 12, 2021. See <http://www.arrl.org/hamfests/lars-yooper-hamfest> for details.
- Rock River Canyon Run – June 12, 2021 in Munising. Contact Allen Augustyn, W8FYZ
- Central UP (car) Rally – June 19, 2021. For information, contact Roger VanDamme, KB8PLR, at rgvandamme@gmail.com or cell/text 734-649-8526
- Two Hearted Run – June 21, 2021 in Paradise. Contact Dave Dake, KC8QZG
- Pictured Rocks Road Race – June 27, 2021 in Munising. Contact Allen Augustyn, W8FYZ
- Grand Island Marathon – July 24, 2021 in Munising/Grand Island. Contact Allen Augustyn, W8FYZ
- Ore to Shore Mountain Bike Epic – August 14, 2021 in/around Marquette.
- Tahqua Trail Run – August 14, 2021 in Tahquamenon Falls State Park. Contact Dave Dake, KC8QZG
- LeDemi Grand Marathon – September 18, 2021 in Munising/Grand Island. Contact Allen Augustyn, W8FYZ



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! The net meets at 28.400 MHz 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!

A Note About Photo Submissions

A couple of things to keep in mind when submitting photos to be published in the Standing Wave:

1. We always prefer shots 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!

HARA H&W Net

This net is being temporarily suspended. Stay tuned for updates. Ed

Please join us for the HARA Health and Wellness Net on Wednesday nights at 7:00 pm on the K8LOD 147.27 (100 Hz tone) repeater.

Let us know how you are handling the COVID-19 issue and what you are doing to stay safe!

We are also planning on sending out items regarding Amateur Radio to keep our great hobby going!

Just check-in with your callsign. When it is your turn we will ask for your name, location, and comments.



News

from the desk of N8NAV



The Marquette ARES group held a short-notice exercise on May 1st. The scenario was a loss of a/c electrical power throughout Marquette County. Participants were to operate only on available non-commercial electrical power (generator, mobile, battery, etc.) I operated using an HT connected to a cigarette lighter adapter in my car and sitting in my driveway in Chocolay Township. Initial check-in was conducted on the Marquette simplex frequency of 147.44 MHz (the 147.27 repeater was actually down for real). 2-meter communications were established from Harvey to Ishpeming, using relays when direct contact was not possible. Once the 2-meter path was established, those stations with HF capability attempted contact on 80 and 40-meter SSB. The total exercise lasted approximately 30 minutes. Thanks to KI8AF, KD8DRF, KD8JIP, KE8PND, W7DEG, N8HDT and KG8NK for participating!

The radio component of the USCG Western Lake Superior Exercise took place on May 12th. As apparent by the name, and as mentioned here last month, most of the communications activity occurred in the Western UP and Southern Canada. Throughout the morning, I monitored the 147.315 MHz Houghton repeater as well as Winlink, as a back-up. There was no traffic sent my way. And that happens sometimes. But had the need arisen...

Information regarding the annual National Weather Service Storm Spotter (Skywarn) training is contained toward the end of this newsletter. There are only a couple of sessions remaining.

If you interested in joining the ARES group, there is a registration form on the ARRL website – arrl.org. Once completed, you can email it to me at n8nav1@charter.net.

73 & Stay Safe! Jim, N8NAV

We all know that, when it comes to antennas, trees can be both a blessing and a curse. It's nice to have a convenient place to hang that wire dipole. Conversely, it's not so good when you are chasing that rare DX and your beam elements get hung up in a tree branch. The latter was the situation at the QTH of our very own Greg, KI8AF. As you can see by the photos he provided, that issue has now been rectified!



Buy, Sell, or Trade



Yaesu FT-902DM Ham Radio

- 100 watts of output power
- All HF (except for 60 meters)
- All mode
- Package also includes microphone, AC power cord, owners manual and parts list

Asking \$300 or best offer

For more information or questions, please email
Josh1938@protonmail.com

Les, WA8LES, is looking for Bencher Paddles (dual paddles) Chrome or Black. Base ok.

Will be using this at the Ham Shack this summer.

Contact Les at wa8les@gmail.com or 906-399-7132

Lee, KD8BJC, has a fox hunting antenna for sale. No other details provided.

Her contact info: ldrowe@charter.net

Parting Thoughts

2021 Skywarn Spotter Training

Weather Forecast Office
Detroit, MI



All Skywarn classes will be held virtually this year. The webinar dates are listed below.

Date	Time
Wed, March 31	WEBINAR FULL
Thu, April 8	7pm – 9pm
Sat, April 17	10am – 12pm
Mon, April 26	7pm – 9pm
Thu, May 6	7pm – 9pm
Tue, May 25	7pm – 9pm

Registration links and additional info can be found at:
weather.gov/dtx/spotter2

Topics Covered:

- Severe weather hazards including thunderstorms and tornadoes
- Review of last year's severe weather events
- How to identify important storm features
- Storm spotter reporting guidelines
- Weather safety information

Webinar Steps:

1. Register for a webinar via the website listed at the bottom left.
2. You will receive a confirmation email. Use the link in this email to join the webinar a few minutes before the start time.
3. Sit back and enjoy!

Note: There is a limit of 150 registrations per webinar.



Supplementary information regarding the Updated Radio Frequency Exposure Rules which became
Effective on May 3

Courtesy of Greg, KI8AF:

Updated Radio Frequency Exposure Rules Become Effective on May 3

Follow this link to learn more about the Exposure Rules:

<http://www.arrl.org/news/updated-radio-frequency-exposure-rules-become-effective-on-may-3>

The two links listed here are different exposure calculators. Use which ever you like:

<http://www.lakewashingtonhamclub.org/resources/rf-exposure-calculator/>

http://hintlink.com/power_density.htm

The chart below maybe of some assistance for figuring gain of your antenna(s):

Table 3
Typical Antenna Gains in Free Space

<i>Antenna</i>	<i>Gain</i>	
	<i>dBi</i>	<i>dBd</i>
Quarter-wave ground plane or vertical	1.0	-1.1
Half-wavelength dipole	2.15	0.0
2-element Yagi array	6.0	3.9
3-element Yagi array	7.2	5.1wi ll
5-element Yagi array	9.4	7.3
8-element Yagi array	13.2	11.1
10-element Yagi array	14.8	12.7
		14.7
17-element Yagi array	16.8	

The tables derived from formulas do have advantages: they generally offer conservative estimates and they are easy to use. If a ham "passes" using these conservative tables, the evaluation is complete. Doing a station evaluation can be just that simple!

Also from Greg:

As of today - 5/10/2021- the 147.27 K8LOD repeater, the 440 linking repeater system and the APRS radio are back up and running. A follow-up message on 5/16/2021 - We believe that the problems we were experiencing with both the IRLP/Echolink system and the DMR repeater have been cured. Give them a try and report back any problem you might be having.

The below items are from Dale's (WA8EFK) Tales for April and May:

- DAYTON HAMVENION: Michael Kalter, W8CI from the Dayton Amateur Radio Assn. reports on the forthcoming special Hamvention Weekend Activities reported via the Portage County Amateur Radio Service's RADIOGRAM.

"That magical weekend in May approaching.

"With no Hamvention this year, due to continuing Corona virus restrictions, we have been developing several activities to keep Hams busy and engaged in the hobby. We have a two day prize total of \$15,000.

"On Thursday May 20, 2021 the Virtual Contest University will be held starting at 9 AM EDT 1300Z. The course outline will be available soon. This will be a free event! Even if you are not a contester you will learn so much about Amateur Radio and hear the techniques and critiques of many of the world's foremost Hams. Hamvention is a proud sponsor along with Icom and DX Engineering. Plan on attending this amazing free event! Several Icom radios will be given away during the all-day event. You must be registered on Zoom and present online at the time of the drawing to win the radios. Please check <http://contestuniversity.com> for updates.

"On Friday May 21 Starting at 11 AM EDT 1500Z we will have the 2021 Virtual Hamvention Forums. The Hamvention Virtual Forums celebrates the 2021 Hamvention Award winners. Each awardee will give a 45 minute presentation followed by Q&A. The Hamvention Forums will be presented via Zoom Webinar. Registration for the Zoom Webinar will start 30 days before the event –look for the registration information on the Hamvention Website. Several Icom radios will be given away during the 2021 Hamvention Forums. The winners will be selected at random. The winner must have registered on Zoom for Hamvention Forums and be present during the drawing to win. Drawing times are random throughout the Virtual Forums event. Thanks to Hamvention, Icom and DX Engineering for their support of the 2021 Hamvention Virtual Forums.

"Our presenters are: Technical Achievement: WX6SWW –Tamitha Mulligan Skov is well known as the “Space Weather Woman”. Folks that have seen her space weather forecasting show will freely admit that she is full of energy and excited about her work. She is a real space pioneer.

- "On Saturday May 22, Participate in the Hamvention QSO Party 8 AM to 8 PM EDT (1200 May 22 to 0000 May 23 UTC). W8BI, the club call of the Dayton Amateur Radio Association, will be a bonus station scored at 10 points per band and mode. Bands: 10M, 15M, 20M, 40M, 80M. Typical call will be: CQ CQ HVQP (Hamvention QSO Party) W8XX (Your call). Typical exchange will be signal report and first year you attended Hamvention; eg on CW: KB8XXX 599 1998 W4XX. If you have never attended Hamvention, please send 2021 in place of the year. Send your score (number of QSOs including bonus points) to 3830scores.com within 5 days of the event. You will be able to print a certificate after the contest."

- Michael Kalter W8CI, Hamvention Executive Committee, Dayton Amateur Radio Association.

- **ARRL GREAT LAKES CONVENTION: With sincere regrets, it was announced that due to the complications of Covid-19 and the resulting unknowns related to venue planning, the decision has been made to cancel the scheduled DX Engineering Hamfest and the associated Great Lakes Division Convention planned for the weekend of August 7.**

- **LOGBOOK OF THE WORLD:** ARRL Plans an extensive upgrade to LoTW. As one of ARRL's most used benefits, LoTW has grown well beyond early expectations and HQ has now implemented a project to move it to a new level. This project is taking a good look at how LoTW is hosted, what innovations are needed, what additional awards can be supported and a host of other needs. As there is an expanding list of desired features, the project committee anticipates several months of effort to whittle the list to size and firm up the project scope.

Additional Information Regarding This Year's Ore to Shore Race:

2021 Ore to Shore Bike Epic Ham Radio Coordinator

The Standing Wave has been informed that Eric, N8RRZ, has agreed to coordinate this year's event. **Thank you Eric!** Ham volunteers are an integral part of the race's communications plan and operators are always needed and welcome. Since all of the communications happens on 2-meters, this is an excellent opportunity for newly licensed— or old timer — Technicians to be involved. If interested in helping out, please contact Eric at esmith@nmu.edu.

The 21st Annual Ore to Shore is on track for August 14, 2021, and we're looking forward to welcoming racers back to Marquette, Michigan. Obviously, as the COVID situation continues to evolve it may impact our ability to host the event in the traditional fashion. Some aspects — packet pickup, aid stations, awards, etc. may require adjustments to comply with whatever restrictions are in place at the time. Our goal is to deliver the quality event you expect while ensuring the event is safe for everyone — racers, volunteers, and our community.

And from Roger, KB8PLR regarding the CUPPRally:

The countdown is starting! I hope you can make it up to Powers, MI this year for one day of awesome rally action!

We're just about 9.6 weeks away from Central UP Rally and racing starts on June 19. So take a look at your calendar and see what's happening... that far out it's probably empty. Now put a big red circle around that weekend for Central UP Rally!

2021 Brings challenges with No Spectator Areas, it also brings Opportunity as a Volunteer!!! Best seats in the Woods, at the Starts/Finishes, and Service!!

You can reach the volunteer sign up with just a few clicks: www.nasarallysport.com/main/account
Remember that when you sign up, you can say when you'll be showing up, what you want to do, and who you would like to be stationed with. I'll do my best to put you in a great spot!

We're just getting started with assigning volunteers, and still need folks in all positions! Come learn something new and grab a task you've never done before. :) Course car folks come from the stage captain ranks, stage captains come from time control volunteers, and time control people step up from marshaling. And we'll train you every step of the way. Want to learn about the crazy tech back end of rally? Volunteer for scoring! :)

For info on volunteering tasks, here's the link: <http://nasarallysport.com/main/volunteering>

And thanks for being part of the passion and action of grassroots rally! You and I are out for the same reason: we love this kind of racing! :)

See you soon!
Lynn

Field Day 2021

There is interest within the club to participate in this year's ARRL Field Day event on June 26 and 27. The club will be putting together a one-day operation on Saturday, June 26th, at the covered pavilion at the West Branch Township Hall. We will provide at least one operating position using a club HF rig. Feel free to bring a rig and antenna of your choice. The club will provide hot dogs, brats, chips and soda. Maybe someone might bring potato salad, etc. The important goal is to get some of our members out and about as a club again. If you would like to join in please contact Dave, KD8DRF, at dlthomas@chartermi.net. We hope to see you there!

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.

The DMR net meets on our local KB0P DMR repeater and/or the U.P. Michigan Talk Group. Lucille KD8PTE is usually net control.

Repeater: 442.200 MHz receive/447.200 transmit

U.P. Michigan Talk Group: 31268

More on the Newberry Swap

We are confirmed for June 12th from 0900 to 1300.

Testing: to follow if there is anyone interested let us know ahead of time.

Location: is the Luce County Fair Buildings. 3 miles east of the Newberry intersection of M-28. Turn North on 399 towards the airport. Fairgrounds are across the road from the airport, left hand (W) side.

Buildings: Two enclosed with cement floors these are display buildings not animal barns. So, we can be spread out and have lots of fresh air.....Bathrooms with running water, not outhouses.

Fair Committee will be manning the cook shack for typical swap meal service. Proceeds from that go to the fair board youth programs.

Towers Electronics, our swap partner of ten years, will be on hand with the typical 110' of table display and antenna rack, wire trolley, etc. Everything you'll need for Field Day!

We already have several tables reserved, but with the bigger venue we have room for LOTS more. So please let me know if you need tables!!!

Please share with your club members.

Thanks: Pete/k8pdc

Russian Robinson Club Announces Activation of Rare IOTA Islands in the Aleutians

The Russian Robinson Club (RRC) has resumed its plans to activate rare Kiska Island (IOTA NA-070) and Adak Island (IOTA NA-039) in Alaska's Aleutian Islands chain in July for Islands On The Air (IOTA) enthusiasts. Plans to activate these islands in 2020 were called off because of COVID-19 concerns.

The uninhabited Kiska Island (52.06° N, 177.57° E) lies in the North Pacific's treacherous Bering Sea, which RRC calls one of the most intense patches of ocean on Earth and where strong winds, freezing temperatures, and icy water are the norm. The island also features the prominent conical Kiska volcano. Kiska Island is a National Historic Landmark and part of the Aleutian Islands World War II National Monument and the Alaska Maritime National Wildlife Refuge (AMNWR). Permission to visit is required from both Alaska's Maritime National Wildlife Refuge and the US Fish and Wildlife Service.

The KL7RRC team plans to have a minimum of two stations on the air on 40 - 6 meters, SSB, CW, and FT8. Operators will place special emphasis on the difficult trans-polar path to Europe.

The 56-foot aluminum sailing vessel Seal will make the 1,000-mile journey along the Aleutians to Kiska with a stop at Dutch Harbor to pick up Tim, NL8F, and the gear sent in advance to his location. The team will continue sailing west to Adak Island, where some team members will activate Adak Island on June 30 - July 3. The SV Seal will pick up the entire crew there, which will have flown in by July 3. Then, they hope to arrive at Kiska and be on the air as KL7RCC on July 7 - 12, before the return sail to Adak and flights home. Additional KL7RRC activity may take place from Adak July 14 - 16.

Donations are welcome. QSLs for KL7RRC (Kiska Island NA-070) and KL7RRC (Adak Island NA-039) are via N7RO. All donors will receive direct QSLs.

Updates will be posted on the Russian Robinson Club website. -- Thanks to Hal Turley, W8HC, via The Daily DX

A slot is open for a fifth operator. Contact team leader Yuri, N3QQ, if interested"

(Those of us who served in the US Navy may recall Adak as being one of our less glamorous duty choices. Although offered, I personally never took advantage. But I did have friends who did and what tales they had to tell! – Ed.)



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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