

**April 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](mailto:n8nav1@charter.net) Club info, membership, dues, etc. can be found on our website at [www.qsl.net/k8lod](http://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](http://www.qsl.net/k8lod).



## **FROM THE PRESIDENT**

Our first meeting in over a year was held on April 1<sup>st</sup> with social distancing and masks wearing. It felt good to be there and meet our members again. When we determine a location for the May meeting you will be sent the location and program.

As you may have heard – if you read Jim's column - several drills have taken place since we have had regular meetings. ARES has been tasked to be prepared if a serious emergency happens, not only in our area, but also at the state or national level. To prepare for this each county in Michigan has their own simplex frequency and Marquette is assigned 147.44. This assignment is used so we don't have interference from surrounding counties and others traveling through our area.

You may also heard of the Wilderness Protocol which is utilized to provide emergency communications in areas beyond normal repeater coverage or in the event local repeaters are off the air and/or not reachable. It is recommended to monitor the national calling frequency of 146.520 (and others) starting at 7:00 am and then every three hours at the start of each hour until five minutes past the hour. The UP has many hikers and bike riders passing through.

**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](mailto:n8gba@att.net) or Greg KI8AF 225-1594, [ki8af@arrl.net](mailto: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 [arrl.org](http://arrl.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@arrl.net](mailto:ki8af@arrl.net).

## *The Business*

HARA Meeting  
April 1, 2021  
West Branch Township Hall  
7 pm

The meeting was called to order by Mike, KD8JIR. 14 members were present.

### Old Business:

Lou, KG8NK, has agreed to remain the HARA club president until the October election cycle. He will not run for re-election!

There is currently no outside access to the Ham Station at the National Weather Service office. This year's Storm Spotter training may be conducted virtually.

The Coast Guard is planning an emergency exercise during the summer. Ham Radio participation is being looked into. Stay tuned.

Jim, N8NAV, reported on the March 17 emergency drill in the March Standing Wave.

The hardest aspect of our participation in emergency drills is our ability – especially during COVID – to advertise our services to outside agencies such as the Red Cross, Salvation Army, County Emergency Management, etc. We know what we can do, but we have little opportunity to demonstrate. We used to provide communications for parades (4<sup>th</sup> of July), events (UP 200, Ore to Shore), etc. We are making some headway with the folks at the Marquette Co. Emergency Operations Center.

### **Repeater Report:**

The .82 repeater is shut off due to a connection issue on the tower. To resolve, we may have to pay a professional climber.

NMU has constructed a new building at the .27 repeater site. Once all of the equipment is moved, the old building will be demolished. The new building is smaller, but has better HVAC capabilities – and Internet access. With the assistance of Paul, KB0P, we are in the process of assessing the best scheme to fit our equipment into the new space. Another wrinkle is that we will be paying for electricity each month. Due to friends such as Don Salo and Eric Smith, NMU has been very supportive of our past Ham Radio activities. In order to continue that positive working relationship, we must remain good neighbors.

### **Financial Report:**

For the period February/March 2021, we have \$7,540.48 in checking and \$2,475.99 in savings.

Current bills due - \$135 for 3 months of storage, \$700 for annual liability and equipment insurance (previously paid). Motion passed. Future expenses may include repeater repair.

Due to COVID, we held no Swap & Shop in 2021. That is a major source of income for the club. Our only current source is membership dues. **PLEASE, PAY YOUR DUES!**

### **Secretary's Report:**

None

### **New Business:**

We plan to hold our club picnic in August. Location to be determined.

The club is always looking for new faces to stand for the various officer positions. Many folks, like Lou, have held office for many years and are in need of a break. A club is only as good as its membership!

One of our premiere operating events is the UP 200 Sled Dog Race. Paul, KB0P, is still willing to handle the radio portion, but he would like to have a younger person in training to eventually take the reins.

Lou, KG8NK, feels it would be nice to have a social committee to arrange things such as the picnic and other events.

**50/50 Drawing:** Was won by Mike KD8JIR.

### **Program:**

Greg, KI8AF, provided an excellent talk and demonstration on Winlink, which is a Ham Radio-related email program used to pass written message traffic during emergency situations.

## Friday Lunch is back!



If interested in attending, contact Greg, KI8AF, at [ki8af@arrl.net](mailto:ki8af@arrl.net).

## 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](mailto: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



Last month I wrote about our participation in the statewide emergency exercise, Rising Waters/Northern Exposure. As I mentioned at the time, this event probably marked the beginning of the spring/summer exercise season.

There is another exercise scheduled for mid-May involving several entities, including the U.S. Coast Guard. At the moment, Amateur Radio participation in this exercise – particularly for us in the Marquette area – is sketchy. I should have additional information for members of the ARES group as the time of the exercise gets closer, so watch your email.

During the monthly phone conference with our District 8 Emergency Coordinator, Pete Costa, K8PDC, and the other Upper Peninsula ECs, our very own Greg, KI8AF, and Fred, KD8JIP, gave an excellent presentation on the messaging service Winlink and its variations. As I have mentioned before – and Greg voiced during his program at this month's HARA club meeting, Winlink is in wide use as a method to pass message traffic – particularly forms – during an emergency.

Information regarding the annual National Weather Service Storm Spotter (Skywarn) training is contained toward the end of this newsletter.

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

73 & Stay Safe!

Jim, N8NAV



## **Buy, Sell, or Trade**

**Rich, N8GBA, has the following items for sale:**

- 1. Icom IC 7300 for \$800.**
- 2. Kenwood TS 2000 with Kenwood Power Supply for \$850.**


If interested, contact Rich at:

Rich, N8GBA  
[n8gba47@gmail.com](mailto:n8gba47@gmail.com)  
(906) 360-5354

## **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	<b>WEBINAR FULL</b>
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](https://weather.gov/dtx/spotter2)**



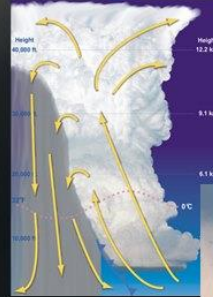
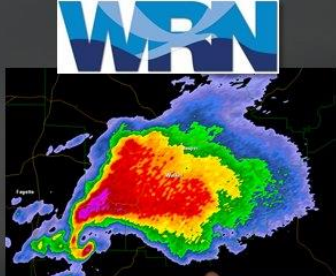
**Topics Covered:**

- 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.



## Some VERY IMPORTANT information from our friends at the FCC:

SB QST ARL ARLB011

ARLB011 Updated Radio Frequency Exposure Rules Become **Effective on May 3**

The FCC has announced that rule changes detailed in a lengthy 2019 Report and Order governing RF exposure standards go into effect on May 3, 2021. The new rules do not change existing RF exposure (RFE) limits but do require that stations in all services, including amateur radio, be evaluated against existing limits, unless they are exempted. For stations already in place, that evaluation must be completed by May 3, 2023. After May 3 of this year, any new station, or any existing station modified in a way that's likely to change its RFE profile - such as different antenna or placement or greater power - will need to conduct an evaluation by the date of activation or change.

The Report and Order can be found online in PDF format at, <https://docs.fcc.gov/public/attachments/FCC-19-126A1.pdf> .

"In the RF Report and Order, the Commission anticipated that few parties would have to conduct reevaluations under the new rules and that such evaluations will be relatively straightforward," the FCC said in an April 2 Public Notice. "It nevertheless adopted a 2-year period for parties to verify and ensure compliance under the new rules."

The Amateur Service is no longer categorically excluded from certain aspects of the rules, as amended, and licensees can no longer avoid performing an exposure assessment simply because they are transmitting below a given power level.

"For most amateurs, the major difference is the removal of the categorical exclusion for amateur radio, which means that ham station owners must determine if they either qualify for an exemption or must perform a routine environmental evaluation," said Greg Lapin, N9GL, chair of the ARRL RF Safety Committee and a member of the FCC Technological Advisory Council (TAC).

"Ham stations previously excluded from performing environmental evaluations will have until May 3, 2023, to perform these. After May 3, 2021, any new stations or those modified in a way that affects RF exposure must comply before being put into service," Lapin said.

The December 2019 RF Report and Order changes the methods that many radio services use to determine and achieve compliance with FCC limits on human exposure to RF electromagnetic fields. The FCC also modified the process for determining whether a particular device or deployment is exempt from a more thorough analysis by replacing a service-specific list of transmitters, facilities, and operations for which evaluation is required with new streamlined formula-based criteria. The R&O also addressed how to perform evaluations where the exemption does not apply, and how to mitigate exposure.

Amateur radio licensees will have to determine whether any existing facilities previously excluded under the old rules now qualify for an exemption under the new rules. Most will, but some may not.

"For amateurs, the major difference is the removal of the categorical exclusion," Lapin said, "which means that every ham will be required to perform some sort of calculation, either to determine if they qualify for an exemption or must perform a full-fledged exposure assessment. For hams who previously performed exposure assessments on their stations, there is nothing more to do."

The ARRL Laboratory staff is available to help amateurs to make these determinations and, if needed, perform the necessary calculations to ensure their stations comply. ARRL Laboratory Manager Ed Hare, W1RFI, who helped prepare ARRL's RF Exposure and You book, explained it this way. "The FCC did not change any of the underlying rules applicable to amateur station evaluations," he said. "The sections of the book on how to perform routine station evaluations are still valid and usable, especially the many charts of common antennas at different heights." Hare said ARRL Lab staff also would be available to help amateurs understand the rules and evaluate their stations."

RF Exposure and You is available in PDF format for free download from ARRL at, <http://www.arrl.org/files/file/Technology/RFsafetyCommittee/28RFSafety.pdf>

ARRL also has an RF Safety page on its website at, <http://www.arrl.org/rf-exposure> .

The ARRL RF Safety Committee is working with the FCC to update the FCC's aids for following human exposure rules - OET Bulletin 65 and OET Bulletin 65 Supplement B for Radio Amateurs. In addition, ARRL is developing tools that all hams can use to perform exposure assessments.

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

- 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 EDST (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.

- KEEP THE DATE: The plans are approved for a GREAT LAKES DIVISION ARRL CONVENTION this year. DX Engineering will be hosting the event at their facility in Tallmadge, OH on August 7 in conjunction with their DXE Hamfest. Plans for special meetings and forums will be announced as soon as those events are confirmed.



- **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 Needed**

Plans are in the works (see below) for the 2021 Ore to Shore Bike Epic. With that being said the Ore to Shore Committee is once again seeking Ham Radio assistance for race communications. HARA is seeking someone willing to take on the position as the Ham Radio Coordinator. The race normally doesn't change too much from year to year so radio positions, times, etc. are fairly constant. Also most Ham volunteers return on a yearly basis. Past ham radio coordinators are more than willing to assist someone taking on this position. Please contact Fred, KD8JIP, at [fmouser@gmail.com](mailto:fmouser@gmail.com) if you'd like to jump on board as the coordinator and he'll get you in touch with the Ore to Shore Committee contact.

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 (CONGRATS on your recent upgrade to Extra! – Ed.) 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](http://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

## 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



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>

*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. Club info, membership, dues, etc. can be found on our website at [www.qsl.net/k8lod](http://www.qsl.net/k8lod). Annual membership dues can be sent to the above address directly.*