



The
Wave Bender
April 2020
AWARD WINNING NEWSLETTER

WRARC PREZ



Hello everyone,

I hope that this issue of the wave bender finds you all in good health. I would assume you've all been washing your hands and not touching your faces. As you all know, the March meeting had to be canceled. Originally I had inquired to some of our health care inclined members and some other friends of mine in the field, and we had all agreed that as long as we followed the CDC and WHO guidelines the meeting could take place. However the Governor had other plans a few hours after I had made the decision. Nothing yet is known about if we will be able to hold our April meeting at this time.

Along with our meetings a few of the workshops and events I've been working on will also be postponed until later times. Nothing had been set in stone yet so the dates are going to be more fluid for those. Hopefully things have settled down by

June so we can still participate in field day.

Now with many of you being off work or working from home, this is a great opportunity to get on the air. The line of work I'm in, we are on the front lines of battling the Covid-19 pandemic so I am working even more than normal. I would like to hear some of your on air stories, contacts you've made, maybe a new DX station you've never worked before.

This is also a great time to try building an antenna. There are many different antennas from simple dipoles and 1/4 wave verticals all the way up to end fed antenna, half wave antennas, yagis or even magnetic loops. The end fed myself, I've never been able to build, and have work, for some reason. Must be my impatience for winding a balun. Hi hi

I, along with the rest of our Board will be trying to keep everyone updated with any changes to meetings and events. As always, if you have questions or just want to chat about something, feel free to give me a call. On the phone or on the radio I've been hanging out listening on 52.525, 146.520, and 146.575.

73 WF8U, Chris
WRARC/President

GOVERNOR DeWINE ANNOUNCED ALL OHIO STAY AT HOME ORDER -3/22



IN THIS ISSUE

2020 Officers:

- President:** Chris Monske, WF8U wf8u@wrarc.net
- VP:** Maureen Stein, KD8NXS kd8nxs@wrarc.net
- Secretary:** Mike Cibella, KC8UNR kc8unr@wrarc.net
- Treasurer:** Bob Kramer, KE8HHH ke8hhh@wrarc.net
- Past President:** Bob Mitzel, N8RCM n8rcm@wrarc.net

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- Steve Fabry, KC8SOY kc8soy@wrarc.net
- Darrin Cannon, N8DMC n8dmc@wrarc.net
- Ray LaShure, K8NVY k8nvj@wrarc.net

Appointed Positions:

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- Historian: Rose Marko, KD8TII
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- Badges: Darrin Cannon, N8DMC
n8dmc@wrarc.net

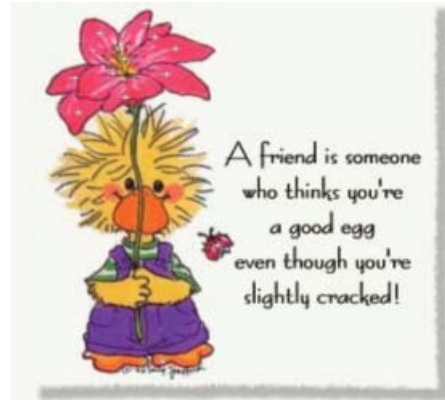
Officer's Meeting:

April 14 2019, 7:00 P.M. At Eat 'n Park,
Austintown, Eat 'n Park,
5451 Mahoning Ave
All members welcome

Members Meeting:

April 28 Davidson's
3636 Canfield Rd., Cornersburgh
Speaker: None

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OTHER IMPORTANT WEB SITES

THE ARRL EXAM SEARCH PAGE

<[HTTP://WWW.ARRL.ORG/FIND-AN-AMATEUR-RADIO-LICENSE-EXAM-SESSION](http://www.arrl.org/find-an-amateur-radio-license-exam-session)>

OHIO SINGLE SIDEBAND NET

<[HTTP://WWW.OSSBN.ORG/INDEX.HTML](http://www.ossbn.org/index.html)>

ANTENNA HEIGHT ABOVE AVERAGE TERRAIN (HAAT) CALCULATOR

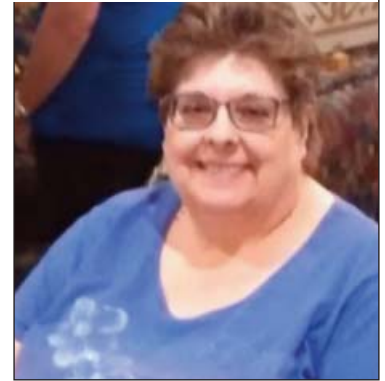
[HTTPS://WWW.FCC.GOV/MEDIA/RADIO/HAAT-CALCULATOR](https://www.fcc.gov/media/radio/haat-calculator)



[http://www.wrarc.net/](http://www.wrarc.net)

A WORD FROM OUR VP

Greetings and wishing you all well. It is very hard to imagine that something so small in size that it can only be seen under a microscope can bring an entire nation to its knees, but that is what has happened. Here we are in a very unprecedented time and circumstance. Our national, state, and local crisis is unlike anything we have experienced before. Please heed and comply with all of the mandates given to us to keep you and your family as safe as possible. Staying out of public areas as much as you can right now is your best defense. Scary times I know. We don't know how long the shutdown of so many things, including our meeting place, will last. In line with this is the severe restriction on how many people can now legally gather together in any venue, public or private. It is now down to under ten in any area. We are now approaching possible total sequestration in our homes until the threat has passed. Hopefully it won't come to that. All this being said, we don't know when our regular monthly board and general meetings can resume. Our next scheduled general meeting is on Tuesday, April 21. This may not be able to happen. It's really not that far away.



We will communicate with you via qst e-mails, Facebook, and the Friday night nets as to what is happening when This could go on for some time because as of today as I write this, we now have two confirmed cases in MAHONING County. I had the opportunity to speak with Mr. Davidson from the restaurant on Monday, March 16, to let him know that we will be back on our normal every third Tuesday of the month schedule as soon as things are back to normal. I wanted to make sure that they kept us "pencilled in" on their schedule so that we would not lose our meeting space. He assured me that we will remain on the schedule when they reopen for dine-in business. Another thing that will be suspended for now is our club every second and fourth Tuesday mornings of the month breakfasts at Eat'N Park Austintown. Again, we will communicate when these things are all up and running again. If we are able to have an April 21 meeting (although doubtful) at all, we will do the workshop program postponed from March. We will let you know.

Many ham related activities like Hamfests, special service events, and other things are likely to be cancelled in the foreseeable future. Already the Dayton Hamvention in May is cancelled for this year. Again, we don't know yet if this will carry over into our public service season beginning in Aug. They are projecting that this could possibly last into July or August we don't even know how this will affect Field Day in June - So many unknowns. In the meantime, let's all stay in touch with each other via our e-mails, Friday night nets, and on the repeater at any other time. If you pick up the mic and call out sometime, you just might find a friend there to converse with. Wishing all of you well. Stay healthy and safe!

73, Maureen KD8NXS
WRARC/VP



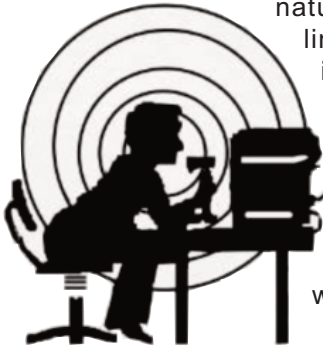
Ray LaSure, K8NVY - SK
February 26, 2020

**Please join WRARC Members
in expressing our
feelings of sadness at
Ray's passing.
Losing a friend is never easy!**



MAKE HAM RADIO A HABIT

Every week, I get an email newsletter from Penguin Random House called Signature. Signature includes links to articles about books and writing. Being a writer, I clicked on the link to "5 Good Writing Habits You Need to Learn Now." As I was reading the article, it occurred to me that the advice could also apply to Amateur Radio. So, with apologies to the author, Lorraine Berry, here are five things you can do to make Ham Radio a habit:



1. To get on the air more, set up a time to do it. If you enjoy getting on the air, but never seem to be able to find the time to do it, you need to put it on your schedule. Set aside the time a couple of days, or a week, or even a month in advance, and you'll be more likely to do it. If you set up a regular time every week, pretty soon it will be a habit.

2. If Ham Radio is important to you, create an environment that encourages you to do Ham Radio To make Ham Radio a habit, you really need a place that's set up to do Ham Radio If you have to dig out and set up your equipment every time that you want to get on the air, you're just not going to do it. You need a "shack" that makes it easier for you to engage in the hobby. Jim Richards, K8JHR, gave me some great advice back in 2012 on where and how to set up a shack.

3. Create temptations that reward you for your new habit of Ham Radio For me, being able to operate is reward enough, but you may want to reward yourself with a beer or some ice cream after an operating session.

4. Make it easy to practice the habit of Ham Radio This is related to #4. Your shack should have everything you need to easily do whatever Ham Radio activities you enjoy doing. If you enjoy operating, then it should have a nice operating desk. If you enjoy building, then set it up so that all of your tools are readily accessible. The easier it is to do, the more likely it is that you'll do it.

5. Start with the Two-Minute Rule for new habits and continue from there. The "two minute rule" is a tool to help you overcome procrastination. The idea is to allot just two minutes to a task that you'd like to complete or a skill that you'd like to develop. It's a small commitment, but enough to get you started, and the idea is that once you're started on a particular task or project, continuing work on that task or project becomes a lot easier. Not only that, those two minutes could easily become a half hour or an hour once you've gotten the ball rolling. So, armed with this advice, I'm expecting you to get on the air more in 2019.

I'll be listening for you. When he's not teaching Ham Radio classes, Dan blogs about Amateur Radio, writes exam study guides (www.kb6nu.com/study-guides), and operates CW on the HF bands. You can email him at cwgeek@kb6nu.com.

"Stolen" from The February 2019 RADIOGRAM - Portage County Amateur Radio Service, Inc. (PCARS)

By Dan, KB6NU



Used with permission

CONTACT WRARC ELMERS WITH YOUR QUESTIONS - QUESTIONS@WRARC.NET

Fabry, Steve KC8SOY
Haren, Roy KD8IJF
Williams, Russ NR8W

Yaesu FT8900, FT8800, Mobile
??? (Maybe just to chat)
Electrician, tele-data, Amateur
Extra

kc8soy@yahoo.com
harens@juno.com
rwiliams@neo.rr.com

Articles from members for the Wave Bender are encouraged. They must be received by the editor by the 20th each month. Please send your articles to: k8jaa@arrl.net, and put WRARC on the subject line of your email.

Join us for the WRARC Friday night Net 9:00 P.M.
KD8DWV - 145.270, PL -110.9
Upcoming Net Control Operators

April This could be you

If you never see your name
on this list
Contact Steve, KC8SOY
to take a turn at Net Control
330-774-6346

If your name has never been on this list
Contact Steve, KC8SOY to take a turn at Net Control
330-774-6346



WRARC Simplex Frequency 146.565

Mahoning County ARES® Nets

1st Monday 8.40 PM ET W8QLY Repeater - 146.745 (PL 110.9)

&

3rd Monday 8.40 PM ET W8QLY Repeater - 146.745 (PL 110.9)

ARES thanks MVARA for the use of their repeater

W8SGT is facilitating The Ohio HF net every Tuesday - 7:00 PM

The net is run from the State of Ohio EOC on the
Ohio ARES Admin frequency 3875 kHz LSB
moves to 7240 Khz after 20-min.

All are welcome to check in.



The Ohio ARES/OES Digital Emergency Net held every Tuesday at 8:00PM.
held on 3585 kHz USB.

Please note all digital communications are Upper Side Band.

<http://www.http://ohden.org/> for net details. Net Manager Gary NJ8BB

Due to Panic Buying in Germany
Shops are Running out of
Sausages and Cheese

It is a Wurst Käse scenario . . . FB

I'm always asking for input by members. The following questions may give you something to think about. What interesting things are you doing while 'Social Distancing?'

What was your first station?

Tell us about our first contact.

Have you built something?

Who was your First Elmer?

How old were you when you got interested?

How did ham radio shape your life?

and/or

-ye ed



A FEW THINGS TO KNOW

Coronavirus Info: You may have seen this list or parts of it, but it never hurts to review some of the points made here....

The new Coronavirus may not show sign of infection for many days. How can one know if he/she is infected? By the time they have fever and/or cough and go to the hospital, the lung is usually 50% Fibrosis and it's too late. Taiwan experts provide a simple self-check that we can do every morning. Take a deep breath and hold your breath for more than 10 seconds. If you complete it successfully without coughing, without discomfort, stiffness or tightness, etc., it proves there is no Fibrosis in the lungs, basically indicates no infection. In critical time, please self-check every morning in an environment with clean air. Serious excellent advice by Japanese doctors treating COVID-19 cases: Everyone should ensure your mouth & throat are moist, never dry. Take a few sips of water every 15 minutes at least. Why? Even if the virus gets into your mouth, drinking water or other liquids will wash them down through your throat and into the stomach. Once there, your stomach acid will kill all the virus. If you don't drink enough water more regularly, the virus can enter your windpipe and into the lungs. That's very dangerous.

1. If you have a runny nose and sputum, you have a common cold
2. Coronavirus pneumonia is a dry cough with no runny nose.
3. This new virus is not heat-resistant and will be killed by a temperature of just 26/27C degrees. It hates the Sun.
4. If someone sneezes with it, it takes about 10 feet before it drops to the ground and is no longer airborne.
5. If it drops on a metal surface it will live for at least 12 hours - so if you come into contact with any metal surface - wash your hands as soon as you can with a bacterial soap.
6. On fabric it can survive for 6-12 hours. normal laundry detergent will kill it.
7. Drinking warm water is effective for all viruses. Try not to drink liquids with ice.
8. Wash your hands frequently as the virus can only live on your hands for 5-10 minutes, but - a lot can happen during that time - you can rub your eyes, pick your nose unwittingly and so on.
9. You should also gargle as a prevention. A simple solution of salt in warm water will suffice.
10. Can't emphasis enough - drink plenty of water!

Continued page 7

CORONAVIRUS INFO - CONTINUED FROM PAGE 6

THE SYMPTOMS:

1. It will first infect the throat, so you'll have a sore throat lasting 3/4 days
2. The virus then blends into a nasal fluid that enters the trachea and then the lungs, causing pneumonia. This takes about 5/6 days further.
3. With the pneumonia comes high fever and difficulty in breathing.
4. The nasal congestion is not like the normal kind. You feel like you're drowning. It's imperative you then seek immediate attention.

**A FEW THINGS TO DO**

After you've talked to all your friends on your radio, and reorganized your radio room/garage/pantry/etc. and are now out of things to do - Here are a couple things I found on my emails that might interest some of you:

KINDNESS POSTCARDS AND A FANTASTIC PODCAST

Spring is officially here! And it's one of many things we are thankful for right now. As the reality of Covid-19 continues to become the new normal, we are looking for brief respites from the anxiety and uncertainty that threatens to overwhelm. We need some life-affirming reminders of the power of hope, humor, and humanity in the midst of this crisis, and I'm guessing you do, too!

What We're Reading This Week:

This "Kindness Postcard" is such a wonderful idea.

<<https://www.cnbc.com/2020/03/16/coronavirus-compassion-the-kindness-postcard-and-other-heartwarming-gestures.html>>

The Metropolitan Opera is streaming performances for free.

<https://operawire.com/metropolitan-opera-to-offer-up-nightly-met-opera-streams/?utm_source=morning_brew>

So is the Seattle Symphony Orchestra - <https://seattlesymphony.org/live?utm_source=morning_brew>

A fantastic podcast episode from Reply All - <<https://gimletmedia.com/shows/reply-all/o2h8bx>>

Need a new book to read? This website can help. <https://fivebooks.com/?utm_source=morning_brew>

The Tonight Show: At-Home Edition. So good.

<<https://www.youtube.com/watch?v=SOS7e6UTNPI&feature=youtu.be>>

Now is the perfect time to lower the parenting bar.

<https://www.thecut.com/2020/03/how-to-work-from-home-with-kids.html#_ga=2.63518061.317745426.1584298940-1758720117.1514906913>

We are a site devoted to home cooking, but we all have a favorite local restaurant. And with restaurants closing all over the country because of Covid-19, they are facing desperate times. Here's how to help. (Order takeout! Buy a gift card!) <<https://www.bonappetit.com/story/how-to-support-restaurants>>

And finally, a great read. <<https://www.nytimes.com/2020/03/17/technology/coronavirus-how-to-live-online.html>>

"If there is a silver lining in this crisis, it may be that the virus is forcing us to use the internet as it was always meant to be used—to connect with one another, share information and resources, and come up with collective solutions to urgent problems."

Have a safe and healthy time off.



W1AW 2020 SPRING/SUMMER OPERATING SCHEDULE

ARLB008 To all radio amateurs

Morning Schedule:

| Time | Mode | Days |
|--------------------|------|----------|
| 1300 UTC (9 AM ET) | CWs | Wed, Fri |
| 1300 UTC (9 AM ET) | CWf | Tue, Thu |

Daily Visitor Operating Hours:

1400 UTC to 1600 UTC - (10 AM to 12 PM ET)
 1700 UTC to 1945 UTC - (1 PM to 3:45 PM ET)

(Station closed 1600 to 1700 UTC (12 PM to 1 PM ET))

Afternoon/Evening Schedule:

| | | | | |
|------|-----|--------------|---------|---------------|
| 2000 | UTC | (4 PM ET) | CWf | Mon, Wed, Fri |
| 2000 | " | " | CWs | Tue, Thu |
| 2100 | " | (5 PM ET) | CWb | Daily |
| 2200 | " | (6 PM ET) | DIGITAL | Daily |
| 2300 | " | (7 PM ET) | CWs | Mon, Wed, Fri |
| 2300 | " | " | CWf | Tue, Thu |
| 0000 | " | (8 PM ET) | CWb | Daily |
| 0100 | " | (9 PM ET) | DIGITAL | Daily |
| 0145 | " | (9:45 PM ET) | VOICE | Daily |
| 0200 | " | (10 PM ET) | CWf | Mon, Wed, Fri |
| 0200 | " | " | CWs | Tue, Thu |
| 0300 | " | (11 PM ET) | CWb | Daily |



Frequencies (MHz)

| | |
|------------|---|
| CW: | 1.8025 3.5815 7.0475 14.0475 18.0975 21.0675 28.0675 50.350 147.555 |
| DIGITAL: - | 3.5975 7.095 14.095 18.1025 21.095 28.095 50.350 147.555 |
| VOICE: | 1.855 3.990 7.290 14.290 18.160 21.390 28.590 50.350 147.555 |

Notes:

CWs = Morse Code practice (slow) = 5, 7.5, 10, 13 and 15 WPM
 CWf = Morse Code practice (fast) = 35, 30, 25, 20, 15, 13 and 10 WPM
 CWb = Morse Code Bulletins = 18 WPM

CW frequencies include code practices, Qualifying Runs and CW bulletins.

DIGITAL = BAUDOT (45.45 baud), BPSK31 and MFSK16 in a revolving schedule.

Code practice texts are from QST, and the source of each practice is given at the beginning of each practice and at the beginning of alternate speeds.

On Tuesdays and Fridays at 2230 UTC (6:30 PM ET), Keplerian Elements for active amateur satellites are sent on the regular digital frequencies. A DX bulletin replaces or is added to the regular bulletins between 0000 UTC (8 PM ET) Thursdays and 0000 UTC (8 PM ET) Fridays.

Continued page 9

W1AW - CONTINUED FROM PAGE 8

Audio from W1AW's CW code practices, and CW/digital/phone bulletins is available using EchoLink via the W1AW Conference Server named "W1AWBDCT." The monthly W1AW Qualifying Runs are presented here as well. The CW/digital/phone audio is sent in real-time and runs concurrently with W1AW's regular transmission schedule.

All users who connect to the conference server are muted. Please note that any questions or comments about this server should not be sent via the "Text" window in EchoLink. Please direct any questions or comments to w1aw@arrl.org .

In a communications emergency, monitor W1AW for special bulletins as follows: Voice on the hour, Digital at 15 minutes past the hour, and CW on the half hour.

FCC licensed amateurs may operate the station from 1400 UTC to 1600 UTC (10 AM to 12 PM ET), and then from 1700 UTC to 1945 UTC (1 PM to 3:45 PM ET) Monday through Friday. Be sure to bring your current FCC amateur license or a photocopy.

The complete W1AW Operating Schedule may be found on page 91 in the March 2020 issue of QST or on the web at, <http://www.arrl.org/w1aw-operating-schedule> .



ARRL PODCASTS SCHEDULE.



The latest (March 12) episode of the On the Air podcast focuses on how to calculate feed line loss, real-world examples of how digital and analog FM transceivers handle weak signals, and an interview with Rob Macedo, KD1CY, Eastern Massachusetts ARES Section Emergency Coordinator and SKYWARN Coordinator for the National Weather Service Boston/Norton office. In the interview, Rob offers information about how hams can get involved with SKYWARN.

The latest episode of the Eclectic Tech podcast (Episode 3) includes an interview with JS8Call creator Jordan Sherer, KN4CRD, revisiting SSTV, and a discussion of arc-fault circuit breakers with Bob Allison, WB1GCM.





Both podcasts are available on iTunes (iOS) and Stitcher (Android) as well as on Blubrry -- On the Air | Eclectic Tech. <<https://blubrry.com/arrlontheair/>>

All,

One of the Amateur Radio Clubs in the area where we live is starting a daily net on a local repeater each evening at 6:30 PM, started March 21. The 'Shelter-in-Place net' is open to all Hams, and its purpose is just to provide an opportunity to talk to one another while we're all hunkered down at home. This will be an opportunity to pass critical message traffic, but also to just chat with one another - see if anyone needs anything. Let's make sure we're looking out for one another during this strange time.

What do you think? Would it work in the Mahoning Valley? I don't see why not - It could be fun.

Coronavirus & Field Day 2020

With 2020 ARRL Field Day – one of the biggest events on the Amateur Radio calendar – just about 15 weeks away, ARRL officials are monitoring this situation with the coronavirus very closely and paying close attention to all of the information and guidance being offered by the CDC's Centers for Disease Control and Prevention (<https://www.cdc.gov/coronavirus/2019-ncov/index.html>).



At its core, Field Day is a local event and an opportunity for local amateur radio clubs to showcase the skills, science and technologies that make radio communication such a wonderful hobby and a valuable public service. Since the impact of the coronavirus outbreak has been very different in different parts of the country, we recommend that all amateur radio clubs participating in Field Day be in regular contact with their local or state public health officials for their advice and guidance on hosting Field Day activities. This also offers an opportunity for amateur radio clubs to bolster or re-establish their relationships with local and state public health and emergency management officials.

Because of the unique circumstances presented this year, this can be an opportunity for you, your club and/or group to try something new. Field Day isn't about doing things the same way year after year - use this year to develop and employ a new approach that is in line with our current circumstances.

Local club officials are the most appropriate people to be making decisions about their specific Field Day programs. We are all concerned about protecting the health and safety of those participating in or attending Field Day activities, and so we trust local club officials to take the appropriate steps to monitor local conditions and make decisions in the best interest of their communities.

ARRL officials strongly believe that following the guidelines of local, state and national health care professionals will help ensure everyone's safety in the coming weeks and months.

ARRL Field Day is always held on the 4th full weekend in June -- 27-28, 2020.

2020 Field Day results will appear in December QST.

2020 FD Rules <http://www.arrl.org/files/file/Field-Day/2020/1_61-2020%20Rules.pdf>



BIRTHDAYS THIS MONTH

**Corinne Kramer, KE8MRE
Steve Fabry, KC8SOY
David Ruck, N8YMZ**

**Kevin Stein, KD8NXR
Rocky LeRoy, W8RKY
Noah Kindl, N3DZH**



Amateur Radio Operator "Amateur means we're simply professional volunteers" ARRL reflector

MULTI-MULTI-MULTI-MENTORING

Time and commitment can be significant barriers for new hams to learn how to contest to decide whether they like to contest. Mike, K5NZ, took up the challenge to devise a way to mentor some potential new contesters without making them commit to an entire weekend of serious contesting. He even minimized the overhead of traveling, maximized the amount of contesting time, and made the techniques relevant to the operator's home station ... by using the operator's home station!

Mike drew upon his experience setting up for a W1AW event where logging computers were linked via the Internet. Consulting with Steve, N2IC, who has extensive experience using Virtual Private Networks to link N1MM Logger+, Mike set up each prospective contester's station to link to his own, so it was "as if we were sitting in the same room" on the same network, just the a big multi-multi. The group was able to virtually contest together, gaining an understanding of how a multi op works, how to use the software, recognize changing propagation, software use, propagation, and so on, with the familiarity and convenience of their own station.

The operators communicated with one another via VPN chat windows and also via the built in "gab" function in N1MM Logger+ "as if they were in the same room doing a big multi-multi."

How did it work? According to Mike, once it was set up, "flawlessly! The new operators loved it, got excited working multipliers, watching the rate in real time, chasing packet spots while not leaving their own home and obligations." The operators gain positive reinforcement by "seeing their limited dipoles or verticals make a difference when all were playing together." Charlene, K5MXG, one of the first that Mike mentored, mentioned that the "teaching" aspect of this was the most impactful. For example, when she encountered difficulty hearing a station on 40 meters, a suggestion of "try a non 40 meter antenna" followed by success was immediate reinforcement. By the way, after just a few times multi-mentoring sessions, she was invited to K5NA for a multi, did great, and has an invitation to return anytime!

Mike mentioned that even some long-time hams were interested in the mentored experience. It allowed them to try a new facet of Amateur Radio, be a part of a team, yet not consume the entire weekend.

Mike points out that while their "distributed multi-multi" entry wouldn't fall into any of the current contest categories, he hopes that in the future that contest sponsors would allow these entries in some category just like any other multi-op. He also recalls that in the not-so-distant past, the CQ WW Contest had the "Extreme" category, which might be appropriate for this style of operation. With appropriate coordination with the contest sponsors, an outside organization could even run this as a "contest within a contest." Having the new contesters see their scores posted, no matter their point totals, reinforces their bond with the rest of the contesting population.

That's all for this time. Remember to send contesting related stories, book reviews, tips, techniques, press releases, errata, schematics, club information, pictures, stories, blog links, and predictions to contest-update@arrl.org

73, Brian N9ADG



ARRL SUSPENDING TOURS AND GUEST VISITS TO HEADQUARTERS, W1AW



As part of efforts under way to help protect the health and safety of ARRL Headquarters employees and volunteers from the impacts of the coronavirus, ARRL suspended all tours and guest visits to Hiram Percy Maxim Memorial Station W1AW and ARRL Headquarters, effective Monday, March 16.

Out of an abundance of caution, this suspension will be in effect until further notice. We apologize for any inconvenience this may cause to our members and their guests who had been planning to visit us in Newington, Connecticut. We feel, however, that this is a necessary precaution and is in keeping with the guidance being provided by federal and local health professionals. We appreciate everyone's patience and understanding as we all endeavor to deal with this difficult public health situation.



CLIMATE CHANGE

CLIMATE CHANGE: NEW RULES COULD SPELL END OF 'THROWAWAY CULTURE'
(BBC, submitted by Gregory Drezdzon, WD9FTZ)

BBC News report: New rules could spell the death of a "throwaway" culture in which products are bought, used briefly, then binned. The regulations will apply to a range of everyday items such as mobile phones, textiles, electronics, batteries, construction and packaging. They will ensure products are designed and manufactured so they last -and so they're repairable if they go wrong.

It should mean that your phone last longer and proves easier to fix. That may be especially true if the display or the battery needs changing. It's part of a worldwide movement called the Right to Repair, which has spawned citizens' repair workshops in several UK cities.

The plan is being presented by the European Commission. It's likely to create standards for the UK, too -even after Brexit. That's because it probably won't be worthwhile for manufacturers to make lower-grade models that can only be sold in Britain.

'Ambitious' proposal

It's all part of what one green group is calling the most ambitious and comprehensive proposal ever put forward to reduce the environmental and climate impact of the things we use and wear. Proposals aim at making environmentally friendly products the norm. It could mean manufacturers using screws to hold parts in place, rather than glue.

Want more on this story? Here's a link: <https://www.bbc.co.uk/news/science-environment-46797396>



GREAT LAKES CONVENTION AND TOLEDO HAMFEST - CANCELLED

There is a great deal of concern and hype over the Coronavirus in Ohio. It has prompted TMRA to act upon these decisions.

COLUMBUS — Ohio Gov. Mike DeWine on Wednesday said he plans to issue an executive order barring public participation in sporting events and other large gatherings (Tuesdays news conference defines large gathering as 100 or more), and that a closure of K-12 schools could happen soon as the state continues to battle with a coronavirus outbreak.



The governor's allusion to even more drastic virus mitigation steps coming in the near future came as officials announced a 53-year old male from Stark County has tested positive for coronavirus, marking the fourth case in Ohio and the first case officials consider to be "community spread." Community spread cases are cases where the afflicted individual did not become sick as a result of traveling.

TMRA at this time is cancelling the March 14th Great Lakes Conference along with the March 15th Hamfest in order to further protect our regular attendees and vendors.

At the present time TMRA has had several conference presenters and vendors cancel out on our event. We at TMRA do not want to put on an event that you will not get your monies worth or not get the presenters that were promised.

All those that pre-purchased tickets (for any portion of our events) will be fully refunded over the upcoming week. We look forward to your participation at future events!

GREAT LAKES DIVISION AWARD RECIPIENTS ANNOUNCED



Unfortunately the Great Lakes Division Convention had to be cancelled due to the COVID 19 crisis, so even though a formal presentation wasn't done as planned, we still want to take the time to recognize those among us who represent amateur radio in a very significant way, either over the past year or two, or throughout their time as hams.

So, with a big round of applause please... We announce the following persons: Gary Johnston, KI4LA, winner of the George S. Wilson III, W4OYI, Lifetime Achievement Award;

Steve Smith, N8AR, and Larry Gauthier, K8UT, joint winners of the Technical Achievement Award;

John Papay, K8YSE, winner of the DX Achievement Award;

And "The Radiogram," the monthly newsletter of the Portage County Amateur Radio Service, as the winner of the Joseph J. Phillips, K8QOE, Newsletter Award.

This year we are also giving a special "Director's Award" for outstanding service to the amateur radio community to: John Loughmiller, KB9AT, for his design work on a database for the new Volunteer Monitoring program established at Headquarters.

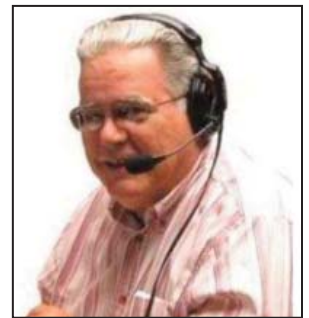
Our sincerest thanks to the many people who made nominations for these and other awards. The quantity and quality of the nominations was excellent this year. Our thanks also to the committee members who had the difficult task of choosing the winners from the many nominations received.

Dale Williams, WA8EFK, Director
"wash your hands-often!!"



CONGRATULATIONS

WRARC wants to congratulate all the winners especially our freeway friend, Parky, editor of the Radiogram. Again, Parky? Really? Just kidding - I keep trying, can't even get close. Nice Job - congratulations!





**Semi-Monthly
Ham Community
Breakfast
Second and Fourth
Tuesdays
9:00 A.M.
(we hope)
Eat 'n Park Restaurant
in Austintown
Join Us!**

April 2020

PREPAREDNESS LEADS TO READINESS - MATT W8DEC



| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|--|--|--|----------|--|--------------------------------------|
| | | | 1  | 2 | 3 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers | 4 Walk Around Things Day |
| 5 Palm Sunday | 6 ARES Net 8:30 PM 146.745 PL 110.9 | 7 | 8 Passover begins at sundown | 9 | 10 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers | 11 Good Friday |
| 12 Easter Sunday  | 13 | 14 Ham Breakfast Eat'n Park Austintown 8:30 A.M. Board Meeting Eat'n Park Austintown 7:00 P.M. | 15 | 16 | 17 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers | 18 |
| 19 Orthodox Easter  | 20 ARES Net 8:30 PM  WaveBender Articles Due | 21 WRARC Meeting 7:00 P.M. | 22 | 23 | 24 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers | 25 East Meets West Day |
| 26 | 27 Morse Code Day  | 28 Eat'n Park Austintown 8:30 A.M. Ham Community Breakfast | 29 | 30 | WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers | |