

July 2022

The

Wave Bender



July 2022

Vol. 13.6



2022 Officers

President:

Chris Monske WF8U

Vice President:

Russ Williams NR8W

Secretary:

Amanda Monske KC3GFU

Treasurer:

Bob Kramer KE8HHH

Past President:

Bob Mitzel N8RCM

Trustees:

Rose Marko KD8TII

Ed Newsome KE8NSW

Bill Egan KD8HCQ



Board Meeting:
Sunday July 17th
2:00pm via Zoom

Member's Meeting:
Tuesday July 19th
@
Davidsons
Restaurant
Canfield, OH
6pm for Dinner
7pm for Meeting
Public Welcome!

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FROM THE PRESIDENT'S DESK



Another month has passed and what a month it has been!

LOTA was a success for its first ever time trying, we had a few members that came to help, and we even had some of the public come by curious to see what was going on. The antenna I had set up was fairly low for making too many long distant contacts but worked well enough to cover a good portion of the Northeastern states. The library was thrilled we did the demo, and everyone we talked to on the air thought it was a wonderful thing to be bringing attention to our libraries and ham radio together.

Also, the past weekend of Field Day I'd say was a great success. The bands were a massive splatter fest filled with so many stations that made working them a challenge, however every station we heard was eventually able to hear us. The new location this year received excellent reviews from all the members in attendance, those I would like to thank as well for helping to make FD such a success. The public location definitely drew in some curious onlookers, and we had great conversations with everyone who stopped by and were sure to have them leaving with some information about WRARC and the HAM radio hobby.

It was great to have presenters back at a meeting as well, a big thank you goes out to Tri County Tower. For those who missed their presentation at the June meeting, don't worry, there may be more to come with an invitation made by them to us. We'll see what comes down the road.

The next few months aren't going to be so crazy, but there are some more events and projects in the making.

73 de WF8U

WRARC President



Youth Net

When: The second Sunday of every month at 7:30 PM EST

Where: The K8IV repeater located in Kent, Ohio (Echolink node K8BF-L) RF: 146.895 Mhz with PL 118.8

Who: Any licensed amateur radio operator who wishes to participate. Priority will be given to youth stations and those located in Ohio.

The purpose of this net is to encourage youth activity in amateur radio and to help new hams get more comfortable on the air.



WRARC ELMER INFO		
Steve Fabry KC8SOY	Yaesu FT8900, FT 8800, Mobile	kc8soy@yahoo.com
Russ Williams NR8W	Antennas, Grounding, AC/DC	rwiliams@neo.rr.com
Darrin Cannon N8DMC	Yaesu Radio Programming, License Upgrading/Testing	darrincan@gmail.com
Bill Egan KD8HCQ	Field Day Operating, Wire Antennas, IC-2200, FT-450	popbottle@zoominternet.net
Bob Kramer KE8HHH	Raspberry Pi	snowyowlooo@gmail.com
Dave Slagle N8PPP	QRP	daslagle@zoominternet.net
Chris Monske WF8U	Repeaters, HF Mobile & Portable, Field Radio Programming, Mobile Installs	kd8ely@gmail.com

JULY CONTESTS

1-7 13 Colonies

9-10 IARU HF World Championship

16-17 North American RTTY QSO Party

23 YOTA Contest



SWAP N SHOP

Have Something **For Sale?**

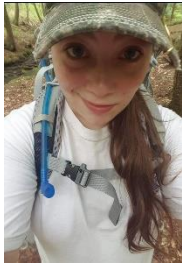
Looking to **Barter?**

Trying to Find Something **Specific?**

Shoot us an email and we can advertise for you **HERE!**

afarone926@gmail.com

MY FIRST ACTIVE FIELD DAY...



This year I jumped headfirst into fully participating in Field Day for the first time. I am genuinely surprised at how much I enjoyed the actual operating part. I learned a lot of things about myself as an operator and learned a lot about Field Day.

I heard a lot of great feedback about the location this year. We had a ton of space, plenty of shade, the public strolling about around us, and cooperating weather. The potluck dinner was a hit per usual. We had a good deal of delicious food to fill up on. I received a crash course from Chris on fox hunting and I can see myself participating in more in the future.

The part I enjoyed the most was operating. I have always said that I felt like I would enjoy contesting more than anything. I don't enjoy random chit-chat, but I do enjoy making contacts. When it comes to contesting you simply give an exchange, and you are on to the next. I learned that I operate best with a headset, as I can tune out the environmental distractions and really focus on what is being sent over the radio. I also get less anxiety if others are within earshot of my conversation, and they can only hear one side of the exchange. I was excited to make my first YL contact (Colorado) and my first DX contact (Italy).

Overall, I think Field Day was a success. I heard some great feedback, and I am glad the hard work that everyone contributed paid off. I hope to do more operating next year. In the meantime, I plan to brush up on my skills by participating in contests and talking Chris into buying me my own rig, hihi.

73, KC3GFU

Amanda Farone, Secretary



ALLISON DUNHAM KE8SKL

JOHN RICCI KT8TAT

UPCOMING HAMFESTS

07/09 – Mansfield Midsummer Trunkfest

Richland County Fairgrounds

750 North Home Rd.

Mansfield, OH 44901

Intercity Amateur Radio Club

08/21 – Warren ARA Tailgate Swap Meet

Mosquito Lake State Park

1439 State Route 305

Cortland, OH 44410

Warren ARA

07/16 – NOARSFEST

Lorain County Community College

1005 Abbe Rd. N.

Elyria, OH 44035

Northern Ohio Amateur Radio Society



Elmer Award

Elmering or mentoring has long been the backbone of Amateur Radio. While technology constantly evolves, the human interaction between hams will not be replaced and will always remain one of the hobby's strongest traditions. As licensed hams we are all ambassadors of Amateur Radio and we should always be looking at ways in which we can welcome newly licensed hams and project a positive image that will attract others to ham radio.



Origin of the term "Elmer"

The term "Elmer"--meaning someone who provides personal guidance and assistance to would-be hams--first appeared in QST in a March 1971 "How's DX" column by Rod Newkirk, W9BRD (now also VA3ZBB). Newkirk called them "the unsung fathers of Amateur Radio." While he probably was not trying to coin a term at the time, here's how Newkirk introduced "Elmer" in his column and, as it turned out, to the rest of the Amateur Radio world:

"Too frequently one hears a sad story in this little nutshell: 'Oh, I almost got a ticket, too, but Elmer, W9XYZ, moved away and I kind of lost interest.'"

Newkirk went on to say, "We need those Elmers. All the Elmers, including the ham who took the most time and trouble to give you a push toward your license, are the birds who keep this great game young and fresh."--Rick Lindquist, N1RL

As you can see, the term is not very old. Prior to the first use of Elmer as the one who guided and encouraged us, what were these folks called? We have received a lot of suggestions; teacher, mentor, tutor, guide, helper, sage? All are appropriate, but first and foremost they are called friend.

**DID YOU KNOW? YOU CAN SEND
YOUR **ELMER** AN AWARD!**

VISIT:

**[HTTP://WWW.ARRL.ORG/ELMER-
AWARD](http://www.arrl.org/elmer-award)**

JOIN US FOR THE WRARC FRIDAY NIGHT NET!

9:00pm Every Friday

W8WRC -145.270 PL 110.9

WRARC Simplex Frequency 146.565

MVARA NET

Mondays @ 9:00pm – W8QLY Repeater -146.745 (PL 110.9)

MAHONING COUNTY ARES NETS

2nd Sunday 2:00pm W8QLY Repeater -146.745 (PL 110.9)

4th Sunday 2:00pm 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 @ 7:00pm

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 is held every Tuesday @ 8:00pm

Held on 3585 kHz USB

Please note all digital communications are Upper Side Band

<http://ohden.org>

Net Manager Gary NJ8BB

THE OFFICIAL ATTENDANCE AT THE 2022 DAYTON HAMVENTION® WAS 31,367 VISITORS. GENERAL CHAIRMAN RICK ALLNUTT, WS8G, SAID ALTHOUGH THAT WAS ABOUT 1,000 LESS THAN 2019, HE CONSIDERED IT "NOT BAD" FOR A PANDEMIC RECOVERY YEAR. HAMVENTION WAS CANCELED IN 2020 AND 2021 BECAUSE OF THE COVID-19 PANDEMIC.

ARES JULY LIVE ACTION

July 16 ARES will be doing training in support of a live action drill later in the year. Our original intent was to do a live drill in July and have people drive to various locations in Mahoning County that would likely be important in a disaster, such as local hospitals, EMA, etc. With the current gas prices, we can't see asking people to use their gas for a drill and have revised the event be a training session on using and programming your HT for alternate repeaters and simplex frequencies.

The training will be in person at the pavilion in Poland Township Park. Since we will be in the park, we are combining the training with an informal picnic. Nothing fancy, we just ask anyone attending to bring a lunch for themselves and a snack to share. Details on the start time will be announced in the next few days.



Our original exercise plan was to simulate the 146.745 repeater going dead and moving our volunteers to alternate repeater and simplex frequencies. We will still stay with this theme but will be able to help anyone having trouble programming their HT during the training. Frank, WB8YHD, sent all registered volunteers an email recently reminding them of the procedure for repeater failure. If you are not registered or did not receive the email, please drop us an email at mahoning.ares@gmail.com. We will also be discussing a standard frequency plan for programming radios, using Chirp for programming, and the ICS 205 form for planning radio frequency usage.

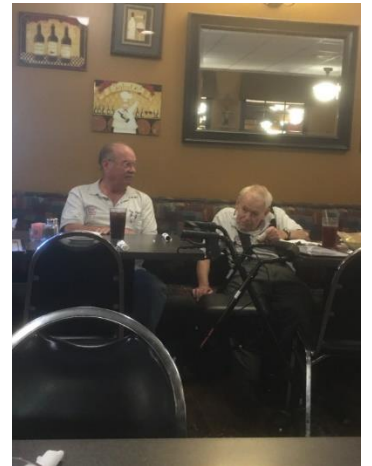
Our August plans are to hold training on alternative power sources, and we are looking for a lot of show and tell. If you have an alternate power setup that is portable, please plan to bring it and explain your setup. Lithium batteries have become all the rage and we know many of our volunteers are set up to operate from them.

Membership in MC ARES is free and all amateur radio operators are welcome to join. If you are interested in public service and emergency communications and would like to join, please visit our web site at www.mahoning-ares.org and fill out and return an application form.

LOTA PHOTOS!



MEETING PHOTOS



FIELD DAY 2022

HARRY MESHEL PICNIC AREA – LAKE MILTON

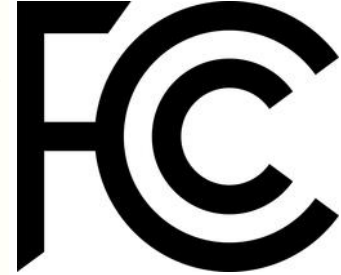


THANK YOU TO ALL WHO CONTRIBUTED & PARTICIPATED!

AMATEUR RADIO NEWS FROM AROUND THE WORLD

FCC Proposes Record \$34,000 Fine for Alleged Interference and Unauthorized Transmissions During Idaho Wildfire

The Federal Communications Commission (FCC) has proposed a \$34,000 fine against Jason Frawley of Lewiston, Idaho, for allegedly interfering with radio operations of the U.S. Forest Service during firefighting activities for the Johnson Creek Fire near Elk River in July 2021. The FCC issued a *Notice of Apparent Liability for Forfeiture (NAL)* on June 8, 2022 to Frawley. The FCC states in the NAL that Frawley holds an Extra-class Amateur Radio Service license, WA7CQ, and is the owner/operator of Leader Communications LLC, licensee of eight microwave licenses and one business license.



The FCC alleged in the *NAL* that "On July 17, 2021, using his amateur hand-held radio, Frawley transmitted five (5) times, and on July 18, 2021, Frawley transmitted three (3) times on frequencies allocated and authorized for government use, apparently causing harmful interference with his apparently unlawful transmissions."

The frequencies with which Frawley is alleged to have interfered were being used to coordinate firefighting crews from the U.S. Forest Service and Idaho Department of Land to fight the 1,000-acre Johnson Creek Fire, including the communications between fire suppressant aircraft and ground crews.

The *NAL* includes details of the Forest Service's complaint and the FCC's investigation. On July 18, 2021, the Johnson Creek fire operations section chief drove to the Elk River airstrip and hanger where Frawley, who had disclosed his location, was found holding a radio next to a banner that read, "Leader Communications." Frawley admitted to transmitting on government frequencies and identifying himself as "comm tech." He argued that he was not trying to cause interference but instead was transmitting to provide information to the fire fighters.

"[A]t no time was I trying to disturb any other communications or air traffic. I was honestly just giving them information I had since I have been working on the butte since the early 90's . . . " wrote Frawley in his October 15, 2021 response to a Letter of Inquiry from FCC Special Counsel Laura Smith.

The FCC however concluded that "Frawley's admitted unauthorized transmissions on frequencies for which he did not have a license had the potential to cause substantial harm to life and property."

The FCC held that Frawley, by his own admission, apparently willfully and repeatedly violated the Commission's rules when he made eight separate radio transmissions on a frequency for which he did not have a license. The FCC stated that unauthorized transmissions on frequencies licensed to public safety entities using those frequencies to respond to emergencies also constitutes a violation of Section 333 of the Communications Act of 1934, as amended.



Leland Complex Johnson Creek Fire, July 21, 2021 [Photo courtesy of inciweb.nwcg.gov]

A [news release](#) from the FCC states that the fine is the largest of its kind proposed. "The Communications Act prohibits such interference with authorized radio communications and the Commission takes very seriously any interference with public safety communications," said the FCC. In a separate [statement](#), FCC Chairwoman Jessica Rosenworcel added, "You can't interfere with public safety communications. Full stop. So today we propose the largest fine of its type for this interference that put fire suppression and public safety itself at risk."



Reverse Beacon Network Launches Updated Website

At 0500 UTC (1 AM EDT) on Thursday, June 16, the Reverse Beacon Network (RBN) launched their updated website (www.reversebeacon.net). The intent of the revised website was to replace the original and beta websites and to include a Secure Sockets Layer (SSL) to enhance security for users of the site. The RBN is a network of stations that listen to the bands and report what stations they hear, including when and how well. The website's database of past spots allows operators to instantly find what stations (from any given country or zone) have been heard, at what times, and on what frequencies. Operators can also see when they have been spotted, who spotted them, and how loud the contact was.

There is an option to compare your signal with those of friends and competitors, in near real time, or look at historical data of previous transmissions. If you wonder how your signal compared to others' during a previous contest, the website's Signal Comparison Tool will provide real, quantitative data. For an instant report, query what stations you want to compare, based on signals heard by a given reverse beacon on a certain band at a certain time.

In 2009, Pete Smith, N4ZR, and Felipe Ceglia, CT7ANO, worked to get the first version of RBN online. The work of Mark Glenn, K7MJG, on the website and Dave Pascoe, KM3T, on connecting the servers, contributed to RBN as a resource for listening and tracking signals. The new version is the first major upgrade for the site.

A guide to the website's new features is available on the beta site, as well as on the new site under the 'about' tab. -- *Thanks to Pete Smith, N4ZR*

Field Day 2022: 500,000 Contacts Already Reported

2022 ARRL [Field Day](#) wrapped up nearly a week ago, and ARRL Headquarters has already received over 2,400 entries submitted via the online [Field Day Entry web application](#). Early analysis reveals that most of the entrants participated as Class D -- home stations, and Class E -- home stations using emergency power.

As of June 29, the breakdown of Field Day entries by Class showed 2,723 total entries, with 272 in Class A, 361 in Class B, 32 in Class C (mobile), 1,524 in Class D, 484 in Class E, and 50 in Class F.

So far, a total of over 517,000 contacts were reported for the event and those numbers are changing daily. In 2021, there were 1.5 million contacts made during Field Day activities.



Many participants were keeping their hopes up for better propagation, as early forecasts were looking promising. ARRL Contest Program Manager Paul Bourque, N1SFE, said that propagation aside, there was substantial activity. "While band conditions might not have been the greatest, there was a good amount of activity on the bands this past weekend. Many participants seemed to agree that the recent rule changes, capping transmitter power output to 100 W, were a good idea," he said.

Dustin Lomax, KF7FK, reported in his Soapbox comments that it was his first Field Day in which he used CW, adding that "CW was a fun change of pace that really helped make the most of marginal band conditions in WWA [Western Washington]."

There is still plenty of time to submit your 2022 Field Day entry. Participants who submit their entries using ARRL's [Online Submission Form](#) can earn 50 bonus points and will receive an email confirmation of their completed entry. Be sure to check the [Entries Received](#) web page to verify your entry's status. If it indicates "Pending documents," the required dupe sheet (or in lieu of that, a Cabrillo log file) or other supporting documentation of claimed bonus points is missing. Participants can edit or add documentation to their online submissions by using the link provided in the confirmation email. Field Day entries must be submitted online or postmarked no later than 2059 UTC on July 26, 2022.

2022 Field Day was highly promoted thanks to the efforts of many ARRL Division and Section volunteers, amateur radio clubs, and their members. Many states and counties obtained special proclamations from local governments designating the weekend (in some cases the whole week) as Field Day and Amateur Radio Week, recognizing the many contributions of amateur radio operators during emergencies and with serving their communities.


ARRL treated participants with a live video stream from W1AW, its Headquarters' station, throughout Field Day. Life Member Karl Schwab, KO8S, of Warren, Michigan, was delighted with making contact with W1AW during Field Day. "I heard W1AW calling CQ Field Day on 20 m SSB," wrote Schwab. "I responded and then heard, 'Kilo Oscar Eight Sierra, you're 5 Foxtrot Connecticut.' I responded with my report, and got in their log. ... After Field Day, and uploading my log, I went to the ARRL website and there I found a 4-hour video was available on YouTube, showing W1AW during their Field Day activities. While watching this video, at hour 2, minute 55, I heard and saw my live contact with them! [This] was a special moment for me. One I will never forget." A recording of the W1AW live stream is on ARRL's [YouTube channel](#).



Kristi Milluzzi has made a commemorative Field Day cake for each of the last three years, featuring the event's logo. She recently married Andy Milluzzi, KK4LWR, of Clermont, Florida. Andy is a member of the ARRL Public Relations Committee, and co-advisor to the ARRL Collegiate Amateur Radio Program.



JULY 2022

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1 WRARC NET 9:00p 145.270	2
3	4 Independence Day 	5	6	7	8 WRARC NET 9:00pm 145.270	9
10	11	12	13	14	15 WRARC NET 9:00pm 145.270	16
17 Board Meeting 2:00pm	18	19 General Meeting 7:00p	20	21	22 WRARC NET 9:00pm 145.270	23
24 / 31	25	26	27	28	29	30