



# February 2022 Edition

- [From the Technical Coordinator](#)
- [From the Public Information Coordinator](#)
- [From the Section Traffic Manager](#)
- [National News](#)
- [DX This Week](#)
- [Special Event](#)
- [From The South 40](#)
- [From the Section Emergency Coordinator](#)
- [From the Section Youth Coordinator](#)
- [ARES Training Update](#)
- [Club Corner](#)
- [Contest Corner](#)
- [One Question Questionnaire](#)
- [Final.. Final..](#)



*The new (improved!) “Ice Balun” being tested at K8SAS Feb 24, 2022*

## *From the Technical Coordinator*

**Jeff Kopcak – K8JTK TC**

[k8jtk@arrl.net](mailto:k8jtk@arrl.net)

Hey gang,  
Ever heard of Winlink Wednesday? Many who operate digital or operate during emergencies are familiar with Winlink because it has proven to be useful and effective. Winlink is a radio messaging system that uses amateur-band radio frequencies. Features include E-mail messages, attachments, position reporting, weather bulletins, emergency relief communications, message relay, and form submission. This system is popular when the Internet is not available. Winlink was first used recreationally by mariners, RV campers, and missionaries.



That's the Winlink part, what does Wednesday have to do with all this? Greg Butler – KW6GB, who I met at the Vienna Wireless Society's Winterfest just outside of Washington, D.C., coined the term. It was an honor to meet with him because his video, an [introduction to Winlink](#), is an excellent tutorial. Winlink Wednesday is a net. It then turned into a popular day to hold many Winlink nets. After talking with Greg, he invited me to participate in their net. Greg has since retired as Net Control Station and David – KN4LQN has taken over net responsibilities.

Most of us know that a "net" is an on-the-air gathering of hams which convene on a regular schedule, specific frequency, and organized for a particular purpose. Such as relaying messages, discussing a common topic of interest, severe weather, emergencies, or simply as a regular gathering of friends for conversation. It's also an excellent time to test radios, antennas, and equipment. Most of us have participated in a voice net on a local repeater or even on the HF bands. "Digital nets" exist to practice these same concepts except using digital communication.

Winlink nets serve the same purposes as other nets: encourage participation, encourage regular use of the Winlink system, expand operators' skills, of course test our equipment and the RF gateway network. I've participated in a few digital communication practice sessions as part of a drill. Last time most users dusted off their digital equipment was during the previous drill. When it came time to setting up, using, and operating their equipment, it was an epic failure. Practicing is essential anytime, not just for digital operations.

Winlink is a store-and-forward E-mail system. Conducting nets on this system must utilize a methodology that works with the technology. Everyone sending check-in E-mails during a small window of time is not realistic. Most Winlink nets provide a weekly announcement or reminder to the previous week's check-in list. Announcements are typically sent out a few days before the net begins accepting check-ins. Announcements will lay out check-in procedures, Winlink modes, and times during which messages will be accepted. Nets may require a simple one-line of text, others a Winlink form. Some have a discussion question for comment, others have a training exercise. A list of check-ins is often returned to the group a day or so after the net concludes. Some utilize other technologies like maps to show locations of net participants.

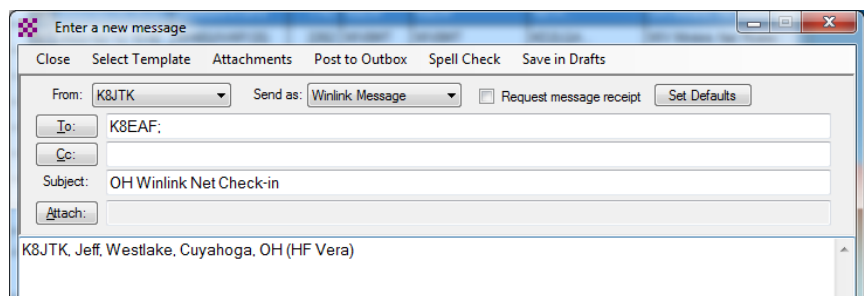


*Greg – KW6GB (left) demonstrating Winlink at the Vienna Wireless Society's Winterfest*

To check-in, after opening Winlink Express, compose a new message. Do not reply to the original message. There is no need to waste bandwidth having the net announcement text as part of the check-in message. In some cases, the station receiving check-ins is not the station that sent the announcement. Recipient's or NCS' call goes into the TO field. It's not necessary to include the "@winlink.org" part of the address just as it's not required if the sender and receiver are using the same E-mail provider or domain. Subject is usually the name of the net. Many ask for a single-line check-in consisting of a combination of callsign, first name, city, county, state, and mode/band used to check-in. For example, this is my standard one-line check-in:  
 K8JTK, Jeff, Westlake, Cuyahoga, OH (HF Vera)

I have found steps in weekly announcements to be straightforward. Some users complain about instructions that are reused where a screenshot does not match the form. It's often the case a form is updated but an older screenshot was used or instructions have changed slightly after screenshots were taken. Some nets get 400 to 700 check-ins per week. If a check-in requires the NCS to do additional work because the operator didn't follow correct procedure, they're more likely to ignore, delete, and move on. Other examples: NCS requested a single-line with comma-separated values and you provided a different value each

on separate lines, provided a form when one wasn't requested, or the wrong form was used – are all reasons a check-in may not be counted. There are, of course, system issues and unexpected results. One net found sending an APRS location beacon



*Check-in to the Ohio Winlink Net*

message over Winlink resulted in the Carbon Copy addresses being ignored. It's a learning process for all. Winlink has many operating modes and bands: APRS, ARDOP, AREDN, PACTOR, peer-to-peer, Packet, VERA HF, VERA FM, Telnet (that should cover most of them), or some combination. Nets accept check-ins using any method that works for the operator. A few will not accept Telnet as it's not typically used over-the-air in the ham bands. Others will not accept peer-to-peer (P2P).



P2P allows one Winlink operator to send a message directly to another station over RF without the use of Winlink infrastructure. Originating station composes the message as a "Peer-to-Peer Message" then selects the appropriate P2P operating mode to match the receiving station. Receiving stations have to let others know frequency and times when they will be available for receiving messages. An NCS may use their station or designated assistants to receive P2P messages.

I haven't used other Winlink clients such as [PAT](#). It seems PAT does not have the forms one would expect to find in the Winlink Express client. That makes it difficult to operate alternative Winlink clients on devices that are more compact and portable such as a Linux device or Raspberry Pi. A way to get around this, have someone using Winlink Express send an example form to a station using the PAT client. The PAT station uses text editors to modify the fields by hand and return the form. Not as elegant as the interface using the browser. I currently participate in six Winlink nets. There are probably some DX nets out there I'm unaware. Just like any open net, you do not have to be in the designated area to check-in or participate. I check into the North Texas and West Virginia Winlink nets among others. The West Virginia net receives more out-of-state check-ins than in-state. We even have Winlink nets right here in Ohio and in the Great Lakes region.

Included below is each net's routine information from their weekly announcement. For more details, contact the NCS station or check their website/groups.io if available. To join any or all of these nets, simply check in! To use KF5VO's signing from the Winlink Wednesday NTX net, Happy Winlinking!

## Ohio Winlink Net

From: K8EAF  
Subject: OH Winlink Net Reminder

Hello Winlink Users,

This is a reminder of the OH Winlink Wednesday Net for \*date\*.

Just a one line with callsign, first name, city, county, state and via what mode/band (VHF, UHF, HF, SHF, TELNET, APRS, ARDEN, ARDOP, VARA, VARA FM). I'll log you in with any means of communication. Or just send a Homing Message Pigeon!

Enter my callsign in the "To" field (K8EAF). Subject field "OH Winlink Net Check-in". In the body field enter callsign, first name, city, county, state and via what mode/band. See example in my signature line below.

This is a good time to test drive the Winlink forms. Many operators like to use the Winlink Check-In form located in the General Forms tab.

All check-ins will be acknowledged, and a complete roster will be sent later in the week.

"Prior Planning Prevents Poor Performance!"

K8EAF, Ed, Cincinnati, Hamilton, OH (VHF)

## Great Lakes Area Winlink Net

From: KB8RCR

Subject: Invitation to join the Great Lakes Area Winlink Net

Greetings!

I am the founder and net manager for the Great Lakes Area Winlink Net which was formed in March of 2021.

The premise of the net is to learn and be much more comfortable with Winlink and it's operation as in public service communications as well as emergency service communications can utilize Winlink. Another big part of the net is to learn a wide variety of the forms in the forms library. It is not important how you check in, but that you do check in. By that I mean, whether you get in via Telnet, or from some form of RF connection, your check in is still important to the net. The participation in using the forms are voluntary, but encouraged. If you cannot try the forms, just send a plain text message with the check in information requested below in this message.

The net meets each Wednesday and your check in will be accepted with late Tuesday night and the absolute cutoff is noon on Thursday (Eastern Time Zone) as that gives you plenty of time to check into the net.

The check in process can be a simple plain text check in, or placed in a form somewhere. Use this format for a proper check in:

CALLSIGN, FIRST NAME, CITY, COUNTY, STATE/PROVINCE, COUNTRY.

My checkin for example, would look like this: KB8RCR, RYAN, REMUS, MECOSTA, MI, USA

In the TO: section send your message to KB8RCR

In the Subject: line please put something like GLAWN Checkin (date of checkin)

A good tip for all of these Winlink nets is to use some type of word processing program or text file and just copy/paste your information. This is what I do at least.

Thanks for taking the time to read this, and to consider checking into the Great Lakes Area Winlink Net. I strongly encourage you to keep participating in your existing Winlink nets, and to consider checking in to the GLAWN net too.

Respectfully Sent,

Ryan Lughermo, KB8RCR  
Great Lakes Area Winlink Net Founder/Manager

## Winlink Wednesday (Virginia)

From: KN4LQN  
Subject: Winlink Wednesday Reminder (#xxx)

\*\*\* Winlink Wednesday (Episode #xxx) \*\*\*  
\*\* PRIMARY NCS - KN4LQN \*\*

(This reminder is also on the web at <https://winlinkwednesday.net/reminder.html>)

Standard check-ins this week (no weather snapshots or attachments of any type, please).

WHO: All amateur radio operators  
WHAT: Winlink Wednesday  
WHEN: Wednesday, \*date\*, 0000-2359 EST (UTC: 0500 Wed - 0459 Thu)  
HOW: This net will accept check-ins via Winlink only. Send a check-in via any RMS during the timeframe above, or participate in one or both of the P2P sessions below.

Please do not use a "Telnet Winlink" connection (which defeats the purpose of Winlink). The goal is to have the message leave your station via RF.

Please remember to use the correct format (check-in message on a SINGLE LINE) for check-in, as shown below, over an RF connection.

To: KN4LQN (or alternate NCS, as appropriate)  
Subject: Winlink Wednesday Check-In  
Message body: call sign, first name, city or town, county, state (HF or VHF, etc.)

See example in my signature line, below.

### PEER-TO-PEER SESSIONS:

Morning session: 0730-0930 EST, (UTC: 1230 - 1430), ARDOP P2P, several frequencies (see chart below).

Net Control Stations - Morning P2P Session Only

Please check in through ONLY ONE of these stations:

Status	Station	Dial Freq	Operator	Location
Primary	KN4LQN	3582 kHz	David Elkins	Chesterfield County
Alternate	KE4KEW	3565 kHz	Martin Krupinsky	Augusta County
Alternate	KM4DC	3593 kHz	Don McCubbin	Fairfax County

Messages sent to Alternate NCS must be addressed to the receiving station.

Evening session: 1900-2130 EST (UTC: 0000 Thu - 0230 Thu), VARA P2P, 3582 kHz (dial).

### Net Control Station - Evening P2P Session

Status	Station	Dial Freq	Operator	Location
Primary	KN4LQN	3582 kHz	David Elkins	Chesterfield County

No Alternate Net Control Stations.

Watch Facebook for details when active.

On Thursday, all check-ins will be acknowledged, and a net report and complete roster will be published to the Web.

73,  
KN4LQN, David, Chesterfield, VA (VHF)

Website: <https://winlinkwednesday.net/>

Weather snapshots are requested on the first Wednesday of the month (no attachments of any type). Standard check-ins are always welcome.

observation time, weather conditions, temperature <<<<--- WEATHER ON SECOND LINE of message body.

A recent example of my check-in with weather snapshot:

K8JTK, Jeff, Westlake, Cuyahoga, OH (HF Vera)

0015L, overcast, winds S@15mph, 45dF

Third Wednesday of each month, an ICS-213 form can be submitted in place of the normal one-line check-in.

[Instructions are provided for trouble-free submission](#) of the ICS-213 form.

**WW World Stats**  
#284 - 02/16/2022

Type	Total
RMS or P2P:	401
Plotted:	401
All RMS:	370
RMS only:	327
All P2P:	72
P2P only:	29
Both RMS & P2P:	43
Telnet:	3
Weather:	0

Report issues with this web page to Steve Palmer at kw4shp@arrl.net -- WWMap version 2.14 -- 02/09/2022

Winlink

Winlink Wednesday participants

## Wednesday NTX (North Texas)

From: KF5V0

Subject: Winlink Wednesday NTX Reminder

It's that time once again for Winlink Wednesday!

\*Discussion question of the week\*

Other instructions:

Use the Winlink Check In template when checking in. As a reminder, to use the template, when the New Message screen is opened, click on the menu items Select Template --> Standard Templates --> GENERAL Forms --> Winlink Check In.txt.

Make sure in the Send To box to put my call sign, KF5V0.

In the location box, put the name of your city/town, and which gateway you're connecting through (if known).

IF YOU ARE USING SOMETHING OTHER THAN WINLINK EXPRESS TO CHECK IN:

If you are not using the forms, then whatever you type into the body of the message will be considered the "Comment" field on the form.

Happy Winlinking!

Please visit the Winlink Wednesday NTX web site for more info on how to check in to the net:

<https://bit.ly/2TfJNJE>

If you haven't already, please join our mailing list on Groups.IO

<https://groups.io/g/WinlinkWednesdayNTX>

John indicated he likes to have stations use gateway nodes instead of peer-to-peer. That way a node administrator can be made aware of and resolve issues. It would be bad to find out a node was not operational for a local emergency. In the past, he has helped identify TNC issues and problems resulting from Microsoft's Patch Tuesday and Windows Updates released the day before!

## West Virginia Winlink Net (Thursdays)

From: WV8MT

Subject: WV Winlink Net Reminder

Calling All Radio Amateurs!

Calling All Radio Amateurs!

I will hold the \* net number \* installment of the West Virginia Winlink Net this Thursday, \* date \* from 00:00 to 23:59. I will take check ins all day at your convenience. Please make sure your check in follows the following format in the message body:



WV8MT, MIKE, SUGAR GROVE, PENDLETON, WV (VHF, HF, or P2P)

VARA P2P SESSION!

The VARA P2P Session will take place from 6pm and 9pm Thursday. This week we will be on 3530.5 (Center) 3529.0 (Dial) again.

Please feel free to share this announcement with your fellow Hams. If you have an email list, or a club social media page, or however you connect to your fellow Hams, share this information with them.

WV8MT NCS, MIKE, SUGAR GROVE, PENDLETON, WV

## EmComm Training (Thursdays)

For a 300/400 level class in Winlink, this is your net. This group was previously named ARC-EmComm-Training. Every week is a new exercise with different instructions. Exercises range from sending APRS IS position beacons to completing Hospital Bed forms to sending E-mail folder summaries. Detailed instructions are provided each week to complete the exercise, sometimes with an accompanying video. Check the groups.io link below for the next exercise and participate to learn more than you've ever wanted to know about using Winlink.

Since each week is different, a common message isn't possible. They do use "tactical clearing houses" based on FEMA region. Ohio is in FEMA region 5 so the clearing house E-mail address is **ETO-05** which stands for "EmCom Training Organization," region 5. The first is always is the letter "O" and the second is a zero "0". More information is available on their site for clearing houses outside Ohio.

Section Managers, including our own WB8LCD, were the subject of the February 17<sup>th</sup> ETO training event. The exercise involved completing and sending your Section Manager a form providing the requested information.

Groups.io: <https://emcomm-training.groups.io/g/main>

Website: <https://www.emcomm-training.org/>

Bob Bruninga, WB4APR, became a silent key on Monday, February 7, 2022. Though I never interacted with Bob, I have used technology he developed. He was a pioneer in the development of Automatic Packet Reporting System, otherwise known as APRS. Technology he developed brought many hams into the hobby using packet radio for real time position, telemetry tracking, and reporting. He started his ham radio journey in 1963 with Novice call WN4APR. According to Amateur Radio Newslines, Bob was a US Navy veteran and a senior research engineer at the US Naval Academy's small satellite lab in Annapolis, Maryland. He has probably contributed to many more advances than just ham radio, in ways we may never, ever, know.

A correction to my article last month: I incorrectly stated the 3.45 GHz band spectrum auction amount. It should have been \$22.5 billion, not trillion.

Thanks for reading and 73... de Jeff – K8JTK

## *From the Section Emergency Coordinator*

*Stan Broadway, N8BHL - SEC*

[broadways@standi.com](mailto:broadways@standi.com)



The bands are back! Well, sorta. I am very pleased that we have been able to conduct our weekly ARES HF Emergency Net on Tuesday evenings through these winter months! There have been a couple evenings when the band decided to cut us short, but in general we have been able to maintain contacts around the state, and that's great! If you haven't tried the net yet, you are most welcome to check in. It's simple- we go by ARES district, taking checkins and providing signal reports.

It's a good way to assure your station capabilities and coverage often under less-than-ideal conditions. The net starts at 7PM on or around 3.902 MHz. Anchor station is The Sarge, W8SGT from the Ohio State Emergency Operations Center.

The Ohio Digital Emergency Net continues its winter sessions on 160 Meters Tuesdays. They do connect for a 75 meter test on Sunday afternoons. OHDEN convenes at 1945 Tuesdays on 1804.5 USB, Olivia 8-500. The Sunday session is at 1600 on their regular frequency 3584.5. If you're new to digital stuff, they are more than welcoming and willing to help you through the beginning stages. This net will be critical in a real emergency because it is capable of sending pre-formatted ICS forms quickly and accurately.

We are planning a web session April 9<sup>th</sup> from 4 to 6 PM. This will replace our in-person conference (uncertain meeting resources, etc.) and hopefully give us a change to briefly update everyone! We'll do a Zoom meeting, and we will send out information later as the date grows closer. We hope you will attend!

I don't get a chance often to just say, "Thank you!" to our DEC's, EC's and members for all the time and energy you put into the program. You are the reason our state is very active with ARES, and your professionalism and readiness has maintained respect from emergency agencies across Ohio. Thank you for that, and everything you do!

Ham radio in Ohio got a big plug when former ASEC Matthew Curtin, KD8TTE, was a featured speaker at the well-attended emergency communications segment of the Orlando HamCation. Matt's presentations were highly praised as he talked about messaging under the "Black Swan" exercise structure.

Our NVIS Antenna Day has been set for April 23. This has been a fun way to experiment with antennas and welcome (hopefully!) the Spring weather. The idea is to get a group of people together, install one or two NVIS

antenna projects and try them out. Lunch and fellowship are all part of the program! So start thinking now about what you might want to try: end-fed, off-center-fed, inverted V, dipole, mobile/portable... or any other concoction you want to try! Antennas are a universally fun part of ham radio, and this is a great way to just play!

Here's a reminder to get your severe weather spotter training in! Sessions are being held online, and generally require you to register. Check on your local NWS office website for details. It's nearly time to get serious about participating in your local Skywarn net this Spring!

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*From the Public Information Coordinator*

*John Ross, KD8IDJ - PIC*

[john.ross3@worldnet.att.net](mailto:john.ross3@worldnet.att.net)



NEWSLETTER DEADLINE CLOSER THAN YOU THINK!!!

If you think time is flying by fast here is a good example. Just about four months from now is deadline for the Ohio Section 2022 Newsletter Contest!!!

Midnight June 30<sup>th</sup> is the deadline to have your club's newsletter entered in this year's event. Remember you'll need to send two copies...from different months...to be officially entered. Make sure your entry includes a link to your club's website and/or a direct link right to the newsletter.

We suggest a BIG BUTTON right on the front page so newsletters are easily accessible.

Judging this year is again all electronic and quicker the judges can find the newsletters the quicker we can determine the winners. Judging starts right after the July 4<sup>th</sup> holiday and the winners will be announced in early August.



**Spell check  
your spell checker!**

#### THE HEADLINE SAYS IT ALL

The folks working on this year's HAMVENTION have a good reminder....your SPELL CHECK IS NOT ALWAYS RIGHT!

*Webmaster et al,*

*I have noticed in locations on the Ohio ARES website, as well as newsletters, that there is a misspelling In the Fairgrounds for Dayton Hamvention location. It is the Greene County Fairgrounds in Xenia, OH. Greene is with an "e."*

*I was hoping you could make this correction for the future. It both looks better professionally, as well as deters confusion.*

*Thank you for your time.*

05/20-22/2022 - [Dayton Hamvention](#)

Location: Greene County Fairgrounds - Xenia, OH

Sponsor: Dayton Amateur Radio Association

Website: <https://hamvention.org>



You can add Greene County to your spell check but you will always need to check manually just in case. Copy editing is an art and sometimes computers aren't the answer.

So far, the 2022 Hamvention is a Go...hope to see you there!



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### A BOY SCOUT SAYS THANKS!

A proud Boy Scout mother and her son sent us a THANK YOU note last week. Take a minute to soak in the note below and you'll see just how important Amateur Radio is to just about everyone!

*"My son Noah and I just wanted to reach out since you've been such a wonderful help with his "Electronics" merit badge for Boy Scouts! Your page, [http://arrl-ohio.org/club\\_link/links.html](http://arrl-ohio.org/club_link/links.html) gave him some really great information and sites to learn from! He's been scouting from home again so it's always such a blessing to be able to find such great sites to help out with his badges! Thank you so much!!*

*To take our thanks one step further, Noah had the awesome idea of passing along other resource to you he came across while looking for information. It's <https://murfelectricbikes.com/pages/electricity-glossary-and-terms> and it's an electricity glossary. He felt that it could make an excellent addition to your page and could possibly help others.*

*I'd absolutely love to show Noah that his suggestion was up and running to help others if you've decided it was a fitting addition! I believe he would be so excited and proud to know he's made a positive contribution...plus I'm sure he would be thrilled to show his troop during their next video call!*

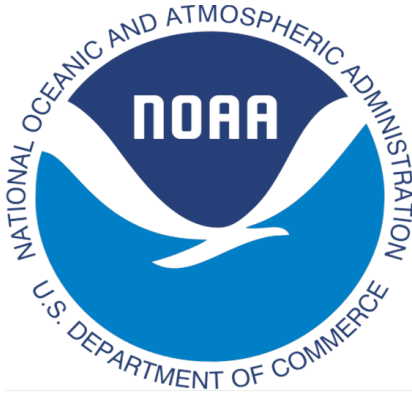
*Please let us know what you think if you have the chance!*

*Thanks so much again and all the best."*

*Noah and Selena McCoy*

We need to help this young man get licensed and we are working on his suggestion! It's great to see a young man take an interest in electronics and electricity as we all did when we were "testing the ham radio waters."

Congratulations Noah!



### SPRING BRINGS SEVERE WEATHER

April showers may bring May flowers but March brings the start of the severe weather season.

The National Weather Service is working on presenting virtual Spotter Training sessions...and their website has all of the information....[National Weather Service](https://www.weather.gov). You can search for the locations of Spotter Training in your area.

Also, your local Emergency Management Agency will be a great resource and training. The SKYWARN and WEATHER WATCH organizations are good sources for additional weather related training and currently gearing up for weekly weather nets. Working with them is a great way for you to put your Amateur Radio skills to the test and help the NWS as well.

The statewide Tornado Safety Drill for 2022 is March 23<sup>rd</sup> and 9:50 AM. More info can be found here:

<https://www.weathersafety.ohio.gov>

Get your equipment ready!

Thanks it for this month...73

John E. Ross  
ARRL Ohio Section Public Information Coordinator  
KD8IDJ @ [ARRL.NET](https://www.arrl.net)  
614-459-4292 Home  
614-266-4292 Cell

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*From the Section Youth Coordinator*  
*Anthony Luscre, K8ZT - SYC*  
[k8zt@arrl.net](mailto:k8zt@arrl.net)

## Two Great Opportunities- One for Youth & One For Teachers

YOUTH ON THE AIR CAMP 2022

National Voice of America Museum of  
Broadcasting

West Chester, Ohio (Cincinnati Metro North)

June 12-17, 2022



Youth on the Air Camp is for already licensed amateur radio operators between the ages of 15 to 25. Have a license, but you don't know what to do next? Come to YOTA camp, and we'll teach you all kinds of cutting-edge technology that can be used with amateur radio and connect you to other young hams and mentors in North, Central, and South America. Already an expert? We're looking for young hams to take their knowledge to the next level and share their previous knowledge with other young hams.

The camp will focus on building strong relationships with peers and mentors and developing new radio skills. The camp is being modeled closely after the popular Youngsters on the Air camps in IARU Region 1 (Europe/Africa/Middle East).

Some of the activities that are planned include workshops and hands-on activities about:

Contesting - Learn how to operate from some of the top young contesters in the country, participate in an FM contest at an amusement park, and ways to practice with local contests

Digital VHF/UHF Modes - D-STAR: Get a D-STAR radio to use for the week, plus insight into how it works



Mid and High Altitude Ballooning - Launch a balloon to near space and track it with APRS

Kit building - Learn the basics of electronic kit building

Direction-finding and orienteering - Learn how to track down signals

Antenna building - Learn how to make antennas from common household items

Satellite operations - Learn how to chase the birds with some of the best youth satellite operators  
...and more!

Campers will operate a special event station, W8Y, featuring cutting-edge HF and VHF/UHF radios that many only dream of having a chance to use... and a wide array of antennas.

If you are a youth or know of someone who qualifies:

1. For more information visit- <https://youthontheair.org/cincinnati-2022/>
2. **WHEN YOU ARE READY TO APPLY, CLICK HERE!**

For the rest of you: CAN YOU DONATE TO OUR CAUSE? If you're "age experienced", you can help us get youth more active in ham radio. [Click here to donate to YOTA Camp](#) via PayPal or GoFundMe at EARS, Inc, a 501c3 charitable organization that is sponsoring the inaugural camp located in the Americas.



# Teachers Institute on Wireless Technology - ARRL

As part of our educational outreach to schools through our **Education & Technology Program**, each summer the ARRL offers multiple sessions of the Teachers Institute on Wireless Technology. The Teachers Institute is an expenses-paid professional development program intended to provide teachers with tools and strategies to introduce basic electronics, the science of radio, space technology and satellite communications, weather science, and micro-controllers to their students. The curriculum is designed for motivated teachers and other school staff who want to learn more about wireless technology and bring that knowledge to their students.



## Summer 2022 Applications and Brochure

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Application submission deadline is May 1st, 2022.

### TI - 1 Introduction to Wireless Technology

### TI - 2 Remote Sensing and Data Analysis

Program	Location	Dates
TI - 1	Newington, CT	June 27 - July 1
TI - 2	Newington, CT	July 11 - July 15
TI - 1	Dayton, OH	July 18 - July 22
TI - 1	Newington, CT	July 25 - July 29

## NEW! Teachers Institute Brochure

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# This Month's Try Something New

## Novice Enhancement 35th Anniversary

For those that have been around Amateur Radio for a few decades, you may remember March 21, 1987, and Novice Enhancement <<[https://p1k.arrl.org/pubs\\_archive/80984](https://p1k.arrl.org/pubs_archive/80984)>> as the article in Figure 1 shows. This action provided new operating privileges to all licensees who passed a Novice examination, including the 5 WPM CW test. In addition to expanded VHF privileges (220 MHz & 23 cm), 10M privileges included a 28.1-28.3 MHz subband with CW and data modes and a 28.3-28.5 MHz subband with SSB. These enhancements were very significant, but there were a few catches/gotchas:

- The full 10M band phone subband was not included, only 28.3 to 28.5 segments.
- Voice privileges on 10M did not include AM or FM modes, only SSB.
- Power was limited to 200 Watts (not really an issue, for most beginners).

But, probably the biggest hurdle was that the 10 Meter band was very dependent on the sun-spot cycle! This means that during periods of low sunspot activity on 10M is limited to primarily local contacts. Even with these limitations, the response was immediate, with many hams trying out HF Voice for the first time. Personally, as a Tech at the time, my activity went from almost exclusively CW and VHF activities to over 80% SSB 10M activity.

In honor of the anniversary get on 10 Meters this month.

# 10 Meter Considerate Operator Guide

All Licenses (Technician)		General, Advanced & Extra	
CW & Data	Phone (SSB Only)	Phone & Image	AM, FM, Repeaters & Satellite Downlinks
<b>28.000-28.299</b>	<b>28.200-28.499</b>	<b>28.500-28.899</b>	<b>29.000-29.699</b>
28.000 - 28.070 CW	28.300 - 28.499 SSB	28.500 - 28.899 SSB	29.000 - 29.200 AM
28.074 FT8	28.380 10-10 Nets	28.680 SSTV	29.300 - 29.510 Satellite Up & Downlinks
28.080 - 28.120 RTTY	28.385 QRP SSB Calling	28.800 10-10 Nets	29.520 - 29.580 Repeater inputs
28.180 FT4			29.585 - 29.620 FM Simplex
28.120 - 28.150 PSK			29.600 FM simplex Calling
28.120 - 28.189 Automatically controlled data stations			29.620-29.680 Repeater outputs
28.190 - 28.225 Beacons			
28.200 NCDXF Beacons			

That's it for this month; I hope to work you soon, maybe even on 10 Meters.. 73,  
Anthony, K8ZT ([k8zt@arrl.net](mailto:k8zt@arrl.net))

## From the Section Traffic Manager

David Maynard, WA3EZN – STM

[wa3ezn@att.net](mailto:wa3ezn@att.net)

### THE OHIO SINGLE SIDEBAND NET TIME CHANGE

The OSSBN has changed the start time for the evening net back to 6:45 PM. With the change in propagation condition and the frequency not going long so early the net manager, Mike KC8WH, has checked the frequency at 7 PM several times before making this move.

### OHIO SINGLE SIDEBAND NET



<b>Morning session</b>	<b>10:30 AM</b>	<b>3972.5 KHz</b>	<b>every day</b>
<b>Afternoon session</b>	<b>4:15 PM</b>	<b>3972.5 KHz</b>	<b>every day</b>
<b>Evening session</b>	<b>6:45 PM</b>	<b>3972.5 KHz</b>	<b>every day</b>

Mike, KC8WH is the OSSBN Net Manager. Note time change.

### OHIO HF CW TRAFFIC NETS

HF CW NETS	NET TIMES	FREQUENCY	NET MANAGERS
<b>Buckeye Early</b>	<b>6:45 PM</b>	<b>3.580</b>	<b>N2LC</b>
<b>Buckeye Late</b>	<b>10:00 PM</b>	<b>3.590</b>	<b>WB9LBI</b>
<b>Ohio Slow Net</b>	<b>6:00 PM</b>	<b>3.53535</b>	<b>N2LC</b>

All net frequencies plus or minus QRM

### OHIO LOCAL VHF TRAFFIC NETS

The Miami Valley Traffic NET MVTN appears to have gone missing. With the resignation of the net manager effective January 1, the fact that no report was received for January, a report by at least one station that they could not find the net the demise appears to be true. My efforts to find contact information for any net members has resulted in no contacts. If you were a net member and wish to revive this net let me know.

VHF NETS	NET TIMES	FREQUENCY	NET MANAGERS
<b>BRTN</b>	<b>9:30 PM DAILY</b>	<b>145.230 PL 110.9</b>	<b>W8DJG</b>
<b>COTN</b>	<b>7:15 PM DAILY</b>	<b>146.970 PL 123.0</b>	<b>KD8TTE</b>
<b>MVTN</b>	<b>7:00 PM Mon</b>	<b>146.640</b>	<b>NONE</b>
<b>NWOHARES</b>	<b>6:30 PM DAILY</b>	<b>146.10</b>	<b>N8TNV</b>
<b>TCTTN</b>	<b>9 PM Sun, Tues, Fri</b>	<b>147.015</b>	<b>WB8YY5</b>
<b>TATN</b>	<b>8:00 PM DAILY</b>	<b>146.670 PL 123.0</b>	<b>WG8Z</b>

On the 15TH of the month North West Ohio ARES Traffic Net meets on the alternate frequency of 146.94.

### WARNING FROM FCC

Amateur Service Licensees May Not Use Radio Equipment to Commit Criminal Acts.

The FCC Enforcement Bureau has re-issued an earlier reminder that licensees in the Amateur Radio Service, as well as licensees and operators in the Personal Radio Services are prohibited from using radios in those services to commit or facilitate criminal acts. The FCC did not indicate what, if anything, prompted the renewed Enforcement Advisory or if it was just a routine announcement. The full Enforcement Advisory can be found in PDF format online at: <https://docs.fcc.gov/public/attachments/DA-22-181A1.pdf>.



## TORNADO ON THE GROUND PART 2



### **Kentucky Updated: 7 tornadoes confirmed after New Year's Day.**

More tornadoes caused significant damage in some areas of Kentucky on Saturday, Jan. 1, 2022. National Weather Service

The National Weather Service has confirmed tornado damage in multiple Kentucky counties after more severe storms passed through the state Saturday. Hopkinsville in Christian County suffered damage after an EF-2 tornado with 115-mile-per-hour winds hit the area, according to the National Weather Service in Paducah. The tornado was about 125 yards wide. Taylor County suffered EF-1 damage with winds reaching maximum speeds between 105 and 110 miles per hour. There was EF-1 damage in Madison and Barren counties, according to the National Weather Service. There were wind speeds estimated at 90 miles per hour in Madison County and 95 miles per hour in Barren County.

### **Ohio Reaches Top 10 For States With Most Tornadoes**

Tornado Count Raw Numbers per Storm Prediction Center For 2019:

- Texas – 160
- Kansas – 111

- Oklahoma – 89
- Missouri – 89
- Mississippi - 88
- Alabama – 76
- Louisiana – 69
- Ohio – 55
- Georgia – 53
- Indiana - 37

As you have likely surmised, Ohio has had very active years for severe storms. Not only have our farmers been fighting excessive rain since 2018, the severe storm count has been on the rise. In 2017, data from the Storm Prediction Center (SPC) shows there were 43 confirmed tornadoes in Ohio. The number did drop to 17 tornadoes in 2018. The state typically averages around 19 touch downs per year. However, the count jumped again so far in 2019.

According to SPC data, the raw tornado count numbers shows that Ohio now ranks 8th in terms of the state with the most tornadoes. These are the preliminary numbers as the data will be quality controlled at the end of each year to remove any duplicate reports. It is likely though, despite the duplicate reports, that Ohio would likely remain in the top 10 even once any duplicate reports are removed.

It has been a very active weather pattern not only for Ohio, but for much of the country. There have been a total of 1225 tornadoes reported in the United States as of June 25th. This is the third highest number of tornadoes in nearly 20 years to date, with the top year being 2008 when there were nearly 2200 tornadoes as of late June. Number 2 was in 2011 when there were nearly 1900 tornadoes.

For Ohio, this is the 2nd highest count for tornadoes (46) for an entire year with the most occurring in 1992 when there were 61 tornadoes that touched down. Of course, we still have just over 6 more months to go.

A tornado is a violently rotating column of air that is in contact with both the surface of the Earth and a cumulonimbus cloud or, in rare cases, the base of a cumulus cloud. It is often referred to as a twister. Tornadoes come in many shapes and sizes, and they are often visible in the form of a condensation funnel originating from the base of a cumulonimbus cloud, with a cloud of rotating debris and dust beneath it. Most tornadoes have wind speeds less than 110 miles per hour and are about 250 feet across, and travel a few miles before dissipating. The most extreme tornadoes can attain wind speeds of more than 300 miles per hour, are more than two miles in diameter, and stay on the ground for dozens of miles.

According to the National Weather Service, there were 19 confirmed tornadoes in Ohio in 2020. **More than 1,000 tornados have touched down in Ohio since 1950**, including 38 events that rated at least F4 on the Fujita scale, meaning major damage with winds reaching above 207 mph.

Tornado HQ now has an experimental live-updating page at <https://www.tornadohq.com/live/>. You can track as many locations as you like and be notified with a voice alert (if your browser supports it) when any of your locations is affected by severe weather. This site is worth

## *ARES Training Update*

*Jim Yoder, W8ERW – ARES Data Manager*

[w8erw@arrl.net](mailto:w8erw@arrl.net)



### ARES Training Update

Sitting here this morning and contemplating the weather that once again may deliver substantial ice and snow to the area, I wonder if it might be time to introduce the “Rettysnitch” to the weatherman. Probably not, as there are likely a few more than I know who are also Amateurs like us. The thought is tempting however as we have already had at least my share of a serious winter season. One of our local forecasters, Merle Kachenmeister WA8EWW SK was also the author of the Skywarn program. Along with his unique and often humorous way of presenting the weather news each day, Merle was an avid Ham who enjoyed our hobby. Merle departed to the ether above in 2012.

I am looking forward to some warmer weather as I am sure many of you are also. Hamvention is a go at this time and after two years of Covid dashing the greatest Hamfest in the world it is exciting to plan the trip to Xenia again this year. This Hamvention is the 70<sup>th</sup>, May 20-22 and is being billed as “The Reunion”. The fine folks who work tirelessly to provide us with a great adventure are planning a really wonderful experience this year. I look forward to seeing many of you there this year. Tickets and information are available on the website, <https://hamvention.org/>.

Hey AREDN Data Meshers – AREDN has frequently updated the MESH node firmware and the team is currently re-writing the code using the LUA programming language which should provide a more compact and efficient foundation to the MESH hardware. The AREDN group provides a map that will display your AREDN presence. At the bottom of your initial setup page is where your location information goes. You need your GPS coordinates and Grid Square to complete your location information. Once entered, you hit the upload to AREDN servers button to be placed on the map. If you have not taken a look, go to the AREDN web page and the MAP tab. <https://www.arednmesh.org/> There are an amazing number of Hams now deploying the AREDN Mesh. You can become a Mesher easily with a minimum investment. One of the most popular MESH nodes is built on the Mikrotik hAP AC Lite device available on Amazon for less than \$50. After acquiring your MESH hardware, an off the shelf home router, you will need to reflash the device with the AREDN firmware. Many other suitable home and commercial grade routers are capable of supporting the AREDN MESH and the website provides a lot of information to get you started. AREDN firmware is available as well and the appropriate instructions for flashing your device. AREDN is an especially useful tool we can add to our ARES bag of tricks. Have a look. AREDN has many applications that could prove useful and perhaps vital in an ARES deployment. One of the easiest applications is a Field Day network supporting unified logging using N3FPJ’s logging program. The AREDN MESH operates wirelessly eliminating the need for cables connecting the individual Field Day stations. An AREDN MESH network can support most anything you might have on a wired network.

Our training submissions have fallen off a bit since the beginning of the new year. This is understandable as we continue to experience the effects of Covid and winter weather. The numbers do continue to support the high level of commitment Ohio Amateurs have giving to the training effort. The database now has 1,939 members of which 1,096 are actively pursuing training. Level 1, 889. Level 2, 749. And level 3, 212. There are 10,174 certificates on file. These are all great numbers representing the dedicated effort of our Ohio ARES members. Thank you.

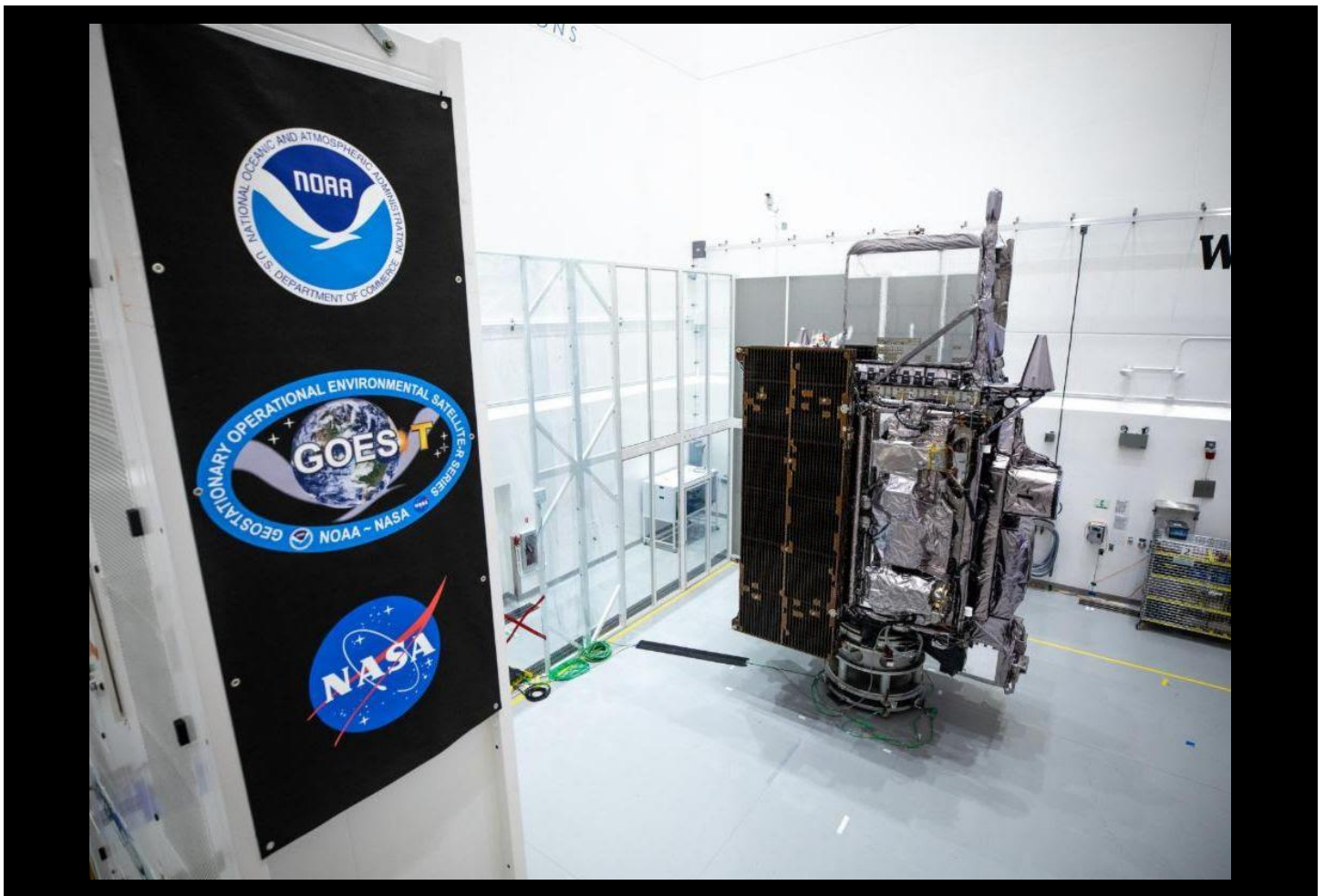
Please contact me if you have any questions or concerns. [w8erw@arrl.net](mailto:w8erw@arrl.net).

Jim W8ERW

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## *National News*

*(from arrl and other sources)*





## **Join the Excitement of NOAA's GOES-T Launch**

You're invited to join us for the launch of the [Geostationary Operational Environmental Satellite-T](#) (GOES-T) satellite! The third satellite in the National Oceanic and Atmospheric Administration's GOES-R Series, GOES-T, is scheduled to launch on March 1, 2022, at 4:38 p.m. EST on a United Launch Alliance Atlas V 541 rocket from Cape Canaveral Space Force Station in Florida.

The GOES-R Series is the Western Hemisphere's most advanced weather-observing and environmental monitoring system, helping to protect the 1 billion people who live and work in the Americas. GOES-T will provide advanced imagery and atmospheric measurements, real-time mapping of lightning activity, and monitoring of space weather. Once operational, GOES-T will be positioned to watch over the western United States, Alaska, Hawaii, Mexico, Central America, and the Pacific Ocean. The satellite will be ideally located to monitor weather systems and hazards that most affect this region, such as atmospheric rivers, fog, wildfires, volcanic eruptions, and Pacific hurricanes.

Members of the public can watch the launch live as it airs on NASA Television and the [agency's website](#), as well as [YouTube](#), [Twitter](#), [Facebook](#), [LinkedIn](#), [Twitch](#), [Daily Motion](#), [Theta.TV](#) and the [NASA app](#). And by registering for our virtual guest program, you'll receive behind-the-scenes videos, up-to-date resources, a stamp for your virtual guest passport following launch.



## **Ohio Public Private Partnership Special Advisory from CISA**

Dear partners, the information below is being shared on behalf of the Cybersecurity and Infrastructure Security Agency (CISA).

### **Geopolitical Tension and Increasing Critical Infrastructure Cybersecurity Awareness**

As a Nation, we are watching with increasing concern the heightened tensions between Russia and Ukraine. While there are not currently any specific credible threats to the U.S. homeland, we are mindful of the potential for the Russian government to consider escalating its destabilizing actions in ways that may impact others outside of



Ukraine. Specifically, we are watchful for any malign activity targeting American Critical Infrastructure.

CISA continues to lean forward to inform our industry partners of potential threats—part of a paradigm shift from being reactive to being proactive. On January 11, 2022, we released [a joint cybersecurity advisory](#) with the FBI and NSA about the Russian threat to U.S. critical infrastructure, including specific tactics, techniques, and procedures associated with Russian actors. We followed this advisory with an [executive-level product](#) urging every organization to take urgent, near-term steps to reduce the likelihood and impact of a potentially damaging compromise. We maintain a [dedicated public webpage](#) providing an overview of the Russian government's malicious cyber activities as well as all our advisories and products on Russian state-sponsored cyber threats, to include the recent advisory on known tactics, techniques, and procedures used by Russian state-sponsored cyber actors.

We strongly encourage all organizations to review and take advantage of the following resources:

- **Shields Up** – CISA launched a new [Shields Up webpage](#) that provides actionable information on urgent steps to harden systems given the heightened threat environment.
- **Pro Bono Services** – CISA recently launched a [new catalog of free cybersecurity services](#) from CISA, the open-source community, and our private sector partners in the Joint Cyber Defense Collaborative. The catalog is designed to help under-resourced organizations improve their security posture.
- **Mis-, dis-, Malinformation (MDM)** – CISA released a *CISA Insights* titled, [Preparing for and Mitigating Foreign Influence Operations Targeting Critical Infrastructure](#), which provides critical infrastructure owners and operators with guidance on how to identify and mitigate the risks of influence operations using MDM narratives from steering public opinion and impacting National Critical Functions and critical infrastructure.

We also encourage organizations to remain vigilant and lower the threshold for reporting. If you believe that your jurisdiction, or a critical infrastructure partner, has experienced a cyber intrusion, please report incidents and anomalous activity to us at CISA.

By utilizing the services above, all organizations can make near-term progress toward improving cybersecurity and resilience. As the nation's cyber defense agency, CISA is available to help organizations improve cybersecurity and resilience, including through cybersecurity experts assigned across the country. In the event of a cyber incident, CISA is able to offer assistance to victim organizations and use information from incident reports to protect other possible victims.

**FOR IMMEDIATE RELEASE**

**Message to US Educators:  
Amateur Radio on the International Space Station Contact Opportunity**

*Call for Proposals*

**New Proposal Window is February 21, 2022 to March 31, 2022**

February 16, 2022 — The Amateur Radio on the International Space Station (ARISS) Program is seeking formal and informal education institutions and organizations, individually or working together, to host an Amateur Radio contact with a crew member on board the ISS. ARISS anticipates that the contact would be held between January 1, 2023 and June 30, 2023. Crew scheduling and ISS orbits will determine the exact contact dates. To maximize these radio contact opportunities, ARISS is looking for organizations that will draw large numbers of participants and integrate the contact into a well-developed education plan.

**The deadline to submit a proposal is March 31, 2022**

Proposal information and more details such as expectations, proposal guidelines and the proposal form can be found at <https://ariss-usa.org/hosting-an-ariss-contact-in-the-usa/>. An ARISS Introductory Webinar session will be held on **March 3, 2022, at 8 PM ET**. **The Eventbrite link to sign up is:** <https://ariss-proposal-webinar-spring-2022.eventbrite.com>

**The Opportunity**

Crew members aboard the International Space Station will participate in scheduled Amateur Radio contacts. These radio contacts are approximately 10 minutes in length and allow students to interact with the astronauts through a question-and-answer session.

An ARISS contact is a voice-only communication opportunity via Amateur Radio between astronauts and cosmonauts aboard the space station and classrooms and communities. ARISS contacts afford education audiences the opportunity to learn firsthand from astronauts what it is like to live and work in space and to learn about space research conducted on the ISS. Students also will have an opportunity to learn about satellite communication, wireless technology, and radio science. Because of the nature of human spaceflight and the complexity of scheduling activities aboard the ISS, organizations must demonstrate flexibility to accommodate changes in dates and times of the radio contact.

Amateur Radio organizations around the world with the support of NASA and space agencies in Russia, Canada, Japan and Europe present educational organizations with this opportunity. The ham radio organizations' volunteer efforts provide the equipment and operational support to enable communication between crew on the ISS and students around the world using Amateur Radio.

Please direct any questions to [ariss.us.education@gmail.com](mailto:ariss.us.education@gmail.com).

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## Crozet Island DXpedition Preparations are Moving Forward

The upcoming solo DXpedition to Crozet Island, spearheaded by Thierry Mazel, F6CUK, will likely arrive on the island around Christmas. While traveling aboard the *Marion Dufresne*, Mazel will make stopovers at other remote islands that are also rare DXCC entities, including Tromelin Island. The Crozet and Tromelin islands are administered as part of the French Southern and Antarctic Lands (abbreviated in French as TAAF).

"After the permission granted by the TAAF and the DXpedition announcement, [the] time has come to gather the equipment and move forward with the preparations," Mazel said. "The *Marion Dufresne* will leave Réunion Island on December 8, with a stopover at Tromelin to resupply the people there, then head for Crozet."

Mazel expects to spend a solid 3 months operating from the Alfred-Faure base on Crozet. The *Marion Dufresne* will return on March 26, 2023, after stopovers at the Kerguelen Islands and Amsterdam, arriving at Réunion Island on April 16, 2023. He said dates may vary depending upon weather conditions.

His first task upon arrival will be to erect antennas and set up his station, for which he'll need to enlist help from others. He'll also have to contend with the weather, as Crozet is subject to strong winds.

No call sign has been issued at this point, although Mazel has requested one that will commemorate the 60th anniversary of the first amateur operation from Crozet in 1961 and 1962. To head off problems with pirates, the call sign won't be released until after Mazel has arrived on Crozet, and just hours before he begins operation.



"I have asked the TAAF [for] permission to send part of the equipment with the previous ship supply mission leaving in November," Mazel said. "It sometimes happens that, because of the weather during landing, not everything can be brought to the island. Imagine being on the island without a station!"

Mazel said much remains to be done, including finalizing antenna designs, securing winter clothing, and organizing scheduled contacts with school children via the QO-100 geostationary satellite.

"Crozet will be an ATNO [All-Time New One] for many, and you can't afford missing it, as nobody knows when the next ham operation will take place from this #3 most-needed," Mazel said in urging contributions to the DXpedition effort.

The last ham radio activity from Crozet was in 2009 by Florentin Bard, F4DYW, who operated as FT5WQ. The 2022 - 2023 solo DXpedition is anticipated to cost upward of \$60,000.

For additional information, visit the [Crozet Island DXpedition](#) website.

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## ***Club Corner***

This is YOUR corner of the newsletter. Send us what your club is doing, and we'll make sure that it gets in. Got a special event or club project that you want everyone to know about? Send it to us!. Need help with a project? Send it to us.

Let us know what your club is up to. Are you going to have a special guest at your meeting or are you having a special anniversary?

Send it to: [webmaster@arrl-ohio.org](mailto:webmaster@arrl-ohio.org)



**Mahoning Valley Amateur Radio Association Technician license class.** Our next class will begin March 15, 2022 at 7:00pm for the entry level Technician License. For your convenience we will meet once a week online via Zoom. If you are interested in ham radio and would like to join in on the fun, email us at [mvara.w8qly@gmail.com](mailto:mvara.w8qly@gmail.com) or phone us at 330-333-2761.

**Massillon Amateur Radio Club class sessions begin Wednesday, March 2, 2022.**

Offering TECH instruction  
GENERAL instruction  
CODE Instruction

Classes continue each Wednesday for 8 weeks with exams following except for CODE which will shift to 5 WPM on-air Net.

Reservations: contact Perry Ballinger, W8AU at [w8au@arrl.net](mailto:w8au@arrl.net) or 330-705-8449

## VE Sessions

**All Things Amateur Radio Association (ATARA)** We host testing sessions every second Tuesday of the month to sign up please visit our website <https://atara-w8atr.fun> and contact us at [hamexams@atara-w8atr.fun](mailto:hamexams@atara-w8atr.fun). Our next testing session is March 8,2022.

### **CARS**

VE testing from CARS - Cuyahoga Amateur Radio Society - at Elmwood Recreation Center, 6200 Wisnieski Parkway in Independence, Ohio 44131 Time: 9:15 AM (Walk-ins allowed) Always the 2nd Sunday of the odd month. Go to CARS [www.2cars.org](http://www.2cars.org) for detailed map of location. Call Metro W8MET 216-520-1320 for details

### **Dayton Amateur Radio Association (DARA)**

If you are interested in testing for a new or upgraded license, please come see us at the DARA Clubhouse. If you have questions about testing, please email [exams.w8bi@gmail.com](mailto:exams.w8bi@gmail.com)

### **The Lake County Amateur Radio Association**

The Lake County Amateur Radio Association is once again holding its **2022** Amateur Radio license exams at the **Kirtland Library**, 9267 Chillicothe Road, on the following dates:

Saturday, February 5, April 2, June 4, August 6, October 1, and December 3.

The tests will start at **12 noon**. Please arrive a few minutes earlier.

**The Lancaster and Fairfield County Amateur Radio Club (LFCARC)** hosts exam sessions at the FAIRFIELD County EMA, 240 Baldwin Dr in Lancaster Ohio, 43130, on the first Saturday each month at 10:00 am. Please visit our website at <http://www.k8qik.org> for exam dates on our calendar and navigate to our Learning Center/Taking the Exam link for information and requirements. Our VE team looks forward to serving the Amateur Radio community in Central Ohio and across our nation. We have an experienced team that has tested candidates from Alaska, Florida, Texas and points in between! Contact me at [ve\\_testing@k8qik.org](mailto:ve_testing@k8qik.org) to register.

**The Milford Amateur Radio Club (MARC)** is now doing VE testing on the third Thursday of each month at 6:00 PM. Location; Miami Township Civic Center located at 6101 Meijer Drive, Milford, OH 45150.

Please pre-register at [www.milfordhamradio.org](http://www.milfordhamradio.org)

### **Portage County Amateur Radio Service (PCARS)**

The first Saturday of every even numbered month -10 am – at the PCARS club site in Ravenna. Please visit the PCARS web site and check out the information about VE testing in the latest newsletter at [www.portcars.org](http://www.portcars.org) . If you have any questions, don't hesitate to contact me at KB8UUZ@gmail.com



**US Coast Guard Auxillary** March 12, 2022 at 0900 (local) at the Shrine Building, 6401 Fruit St. Huntsville, OH 43238. For more information contact Michael Robinson – KI0DE at 614-734-4369 [msrobin1980@gmail.com](mailto:msrobin1980@gmail.com)

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## *DX This Week*

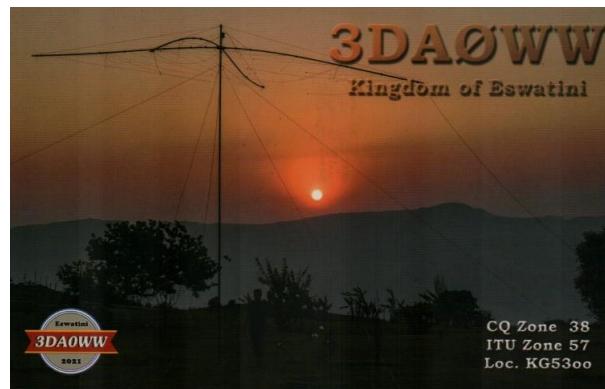
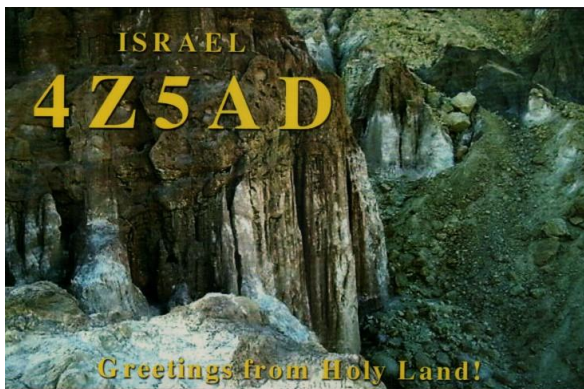
DX This Week – Sites

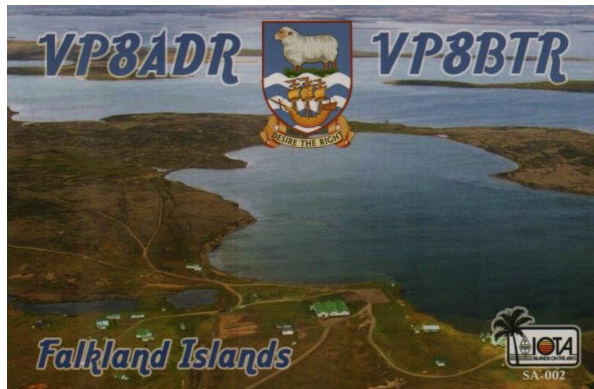
Bill AJ8B (aj8b@arrl.net, @AJ8B, or www.aj8b.com)  
CWOPs Member #1567

Entities spotted in the Midwest included Alaska, Albania, Algeria, Asiatic Russia, Balearic Islands, Belgium, Bosnia-Herzegovina, Bulgaria, Canada, Ceuta & Melilla, China, Costa Rica, Croatia, Denmark, England, Estonia, European Russia, Faroe Islands, Fed. Rep. of Germany, Finland, France, Gibraltar, Greece, Greenland, Guernsey, Hawaii, Hungary, Italy, Lithuania, Mali, Martinique, Mexico, Morocco, Netherlands, Poland, Puerto Rico, Romania, Slovenia, South Africa, Spain, Suriname, Sweden, Switzerland, Thailand, Tunisia, Uruguay, and Wales. This brings the number of entities spotted to 122 and all 40 CQ Zones. This number was not reached last year until May 2<sup>nd</sup>, just more evidence that the bands are getting better! Let me know what you worked!



I received several nice cards this week including 4Z5AD – Victor in Israel, 3DA0WW – DXPedition to the Kingdom of Eswatini and VP8ADR – Bob in the Falkland Islands. Let me know what you have received!





DAH DIT DIT DIT DAH DAH DIT DIT DIT DAH

We have a 60M update from Joe, W8GEX. Thanks, Joe, for keeping us in the loop!



**8Q – Maldives** - 8Q7CQ is planned for March 4-18 by G0VJG, Nobby. QSL through M0OXO OQRS or direct to the G0VJG home QTH

**Austral Islands** - A team of seven experienced DXpedition / contest operators will activate Raivavae (Austral Islands) OC-114, French Polynesia as TX5N from April 16 to April 28, 2022. Team members are: Rob N7QT, Walt N6XG, Heye DJ9RR, Gene K5GS, Steve W1SRD, Melanie N7BX and Doris K0BEE. They will run Fox &

Hound mode.

**9M - Malaysia** - The 5 MHz Newsletter reports on Emcom response in Malaysia, that ARIS, 9M2IR, from the Malaysian Amateur Transmitter Society, MARTS, says their regulator, MCMC, Malaysian Communications and Multimedia Commission, has approved the 60M amateur secondary allocation, per WRC-15. They are waiting for the official paperwork to be completed before it becomes legal for hams to use the band.

### The 5 MHz Newsletter Celebrates its 10th Birthday

Hi All,

The latest edition of “The 5 MHz Newsletter” (No 28 Autumn –Winter 2022) – our 10th Birthday - is now available for free pdf download from the ‘External Links’ section of the Wikipedia 60m Band page [https://en.wikipedia.org/wiki/60-meter\\_band#External\\_links](https://en.wikipedia.org/wiki/60-meter_band#External_links) or the RSGB 5 MHz page <http://rsgb.org/main/operating/band-plans/hf/5mhz/>

This edition includes 5 MHz news from 6 countries, Malaysia Emcom Response, 10 Years of “The 5 MHz Newsletter”, Exercise Blue Ham 22 – 1, World of 5 MHz Autumn –Winter 2022 and the Wiki 60 Meter Band page

Enjoy, Keep Safe, / Paul Gaskell G4MWO - Editor, The 5 MHz Newsletter

**GAMBIA** - Will be on air from May 22 till June 7 n The Gambia as C5C ( Bijol island , Af060 ) Mostly QRV from 60 m till 6 m , CW , SSB , FT8. Operators Abdel M0NPT, Gérard F5NVF & myself F5RAV Luc

**Z8 - South Sudan** - YI1DZ, Diya, is active again as Z81D, 80-10M including 60, SSB and FT8, no CW. He has been on 40. QSL via OM3JW, Club Log, eQSL or LoTW.

**HC – Ecuador** - HC1MD/2 (op aka NE8Z), Rick, is now active.

**XT - Burkina Faso** - DK1MAX, Max Wild, returns to Ouagadougou for a visit April 7-20, QSL via EA5GL bureau direct and LoTW, hopefully with a daily upload.

## DAH DIT DIT DIT DAH DAH DIT DIT DIT DAH

As I mentioned last week, there are many resources for you to access to solve problems, educate, and find projects. I continue that line of thought with the following:

Books – I have a few books that I keep around as a reference or an inspiration. Please pass your list back to me!

<u>Title</u>	<u>Comment</u>
<u>ARRL: Propagation &amp; Radio Science</u>	Excellent coverage of electromagnetic waves
<u>ARRL : Antenna Physics : An Introduction</u>	Takes me back to my high school and college classes – I use this often
<u>Low Band DXing – ON4UN</u>	Widely considered the bible on Low band antennas and DXing
<u>The Complete DXer – W9KNI</u>	Excellent overall review of techniques and terms
<u>A Year of DX – W9KNI</u>	Review of Bob’s year attempting to win the CQ DX Marathon. I read this every other year for inspiration
<u>AC6V’s Amateur Radio &amp; DX Reference Guide</u>	This complete book covers every aspect of ham radio pertaining to DX
<u>DXA – The Real Time online radio log server – KK6EK</u>	Bob goes in to great details the other side of the pileup and his creation of the DXA software. Great and informative read.

Blogs – Blogs seem to have lost some popularity, but those that are followed are followed heavily. There are other blogs that I follow. The ones that I would recommend are:

<u>Blog</u>	<u>Comment</u>	<u>Site</u>
<u>KB6NU</u>	<u>General Ham Radio Interest</u>	<a href="https://www.kb6nu.com/">https://www.kb6nu.com/</a>
<u>W2LJ</u>	<u>QRP Topics</u>	<a href="https://w2lj.blogspot.com/">https://w2lj.blogspot.com/</a>
<u>VE3WDM</u>	<u>QRP Topics</u>	<a href="https://ve3wdm.blogspot.com/">https://ve3wdm.blogspot.com/</a>

<u>K0NR</u>	<u>VHF/UHF, QRP, mountaintop operating and technical stuff</u>	<a href="http://www.k0nr.com/wordpress/">http://www.k0nr.com/wordpress/</a>
<u>WB3GCK</u>	<u>Field Day, Portable, QRP</u>	<a href="https://wb3gck.com/">https://wb3gck.com/</a>
<u>LA3ZA</u>	<u>All Topics HF</u>	<a href="https://la3za.blogspot.com/">https://la3za.blogspot.com/</a>

Websites – I know there are countless websites for all topics ham radio related. However, one of the challenges is to sort through all the data and find those sites that constantly deliver information. I have a couple that I always have open:

<u>Site</u>	<u>Comment</u>
<a href="https://www.qrz.com/">https://www.qrz.com/</a>	<u>Log search and Call Lookup</u>
<a href="https://www.Dxheat.com">https://www.Dxheat.com</a>	<u>DX Spots &amp; Call sign lookup</u>
<a href="https://cwops.org/">https://cwops.org/</a>	<u>Home for the CWOPs organization</u>
<a href="http://dxsummit.fi/#/">http://dxsummit.fi/#/</a>	<u>Great site for researching spots on a global basis</u>
<a href="https://dx-world.net/">https://dx-world.net/</a>	<u>Information on DXpeditions</u>
<a href="https://dxnews.com/articles/">https://dxnews.com/articles/</a>	<u>Information on DXpeditions</u>
<a href="http://www.dailydx.com/">http://www.dailydx.com/</a>	<u>Home of the Daily DX – QSL Routes, managers and other information</u>
<a href="https://lotw.arrl.org/lotw/login">https://lotw.arrl.org/lotw/login</a>	<u>ARRL LoTW</u>
<a href="http://www.dxmarathon.com/">http://www.dxmarathon.com/</a>	<u>Home of the CQ DX Marathon</u>
<a href="https://www.contestcalendar.com/">https://www.contestcalendar.com/</a>	<u>Most Comprehensive Contest Calendar</u>
<a href="https://www.3830scores.com/index.php">https://www.3830scores.com/index.php</a>	<u>3830 Scores Summary Page – Preliminary Results for ALL contests</u>
<a href="http://arrl-greatlakes.org/8th_bureau.htm">http://arrl-greatlakes.org/8th_bureau.htm</a>	<u>8<sup>th</sup> Call Area QSL Buro</u>
<a href="http://www.arrl-ohio.org/">http://www.arrl-ohio.org/</a>	<u>Our OH Section Home!</u>
<a href="http://www.dxuniversity.com/">http://www.dxuniversity.com/</a>	<u>DX University Home – Great articles &amp; Info</u>
<a href="https://www.contestuniversity.com">https://www.contestuniversity.com</a>	<u>Contest University – Great Articles &amp; Info</u>

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Several of us will be presenting at the upcoming QSO Today Ham Expo. I can almost guarantee that you will never get a better return on \$10!



# Coming March 12-13, 2022

Our next **QSO Today Virtual Ham Expo** will be held live from **March 12-13**, and then on-demand for 30 days afterwards. We promise an amazing learning and networking experience to help you improve your amateur radio knowledge and get exposed to new ideas, equipment, and practical techniques. No need to travel - participate from your home or office! Information can be found at <https://www.qsotodayhamexpo.com>.

## Here are 5 reasons why you must attend:

**Listen, engage with 60+ internationally recognized ham radio luminaries.** Our speakers are experts and deeply know their material. Most importantly, they've worked hard to make sure that you'll understand the material and can apply it immediately to your projects.

**So, so many different topics - everybody will find something of high value.** There's content for everyone whether a newly licensed ham looking for next steps to using that license or a 30+ year experienced ham looking for new projects. Some of the more interesting presentations include: *Core HF Communication Concepts: Fundamentals of Shortwave Propagation*; *Deep Dive of An FPGA DVB-S2 Implementation*; *Fun With The NanoVNA*; and *Helically Wound Vertical for 160M*.

[Click Here for Presentation List](#)

**Watch as many presentations as you want!** A big limitation of in-person events is that you can't watch many of the presentations (you can only be in one room at a time). At the Expo, return anytime within 30 days to view any speakers and presentations you missed as well as explore exhibitor offerings.

**Check out our live [Kumospace](#) video lounges for attendees to interact with each other and exhibitors.** At the Expo we'll debut exciting but proven technology to further improve the live video interaction experience with exhibitors and fellow operators. You'll find this is a great way to meet up with friends, talk to vendors, and network on specific subject areas.

**Take advantage of our calendar technology to efficiently organize your time.** Once our presentations are scheduled, you can download speaker times in your local time zone directly to your Google or Outlook calendar. You'll then have a complete schedule of sessions to join to maximize your time during the Live period with speakers that are the most important.

ARRL, the national association for Amateur Radio®, is a QSO Today Virtual Ham Expo Partner. FlexRadio is the Expo's Platinum Sponsor, Elecraft is our Gold sponsor as of this time.

**Tickets are on sale and** are just \$10 (through March 6) and then \$13.50 to the end of the on-demand period. Tickets include entry for the Live 2-day period and the 30 day on-demand period. Save on gas,



lodging, and transit time to attend the QSO Today Virtual Ham Expo on March 12th and 13th. For more information, go to <https://www.qsotodayhamexpo.com>, or click on the blue button below.

**Save the dates: March 12-13, 2022 on your calendar!**

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Here is an update from Bernie, W3UR, of the DailyDX and the WeeklyDX, the best source for DX information. <http://www.dailydx.com/>. Bernie has this to report:

**UR – Ukraine** - Amateur radio has been suspended for 30 days by Ukraine's government, under a declaration of emergency, part of a decree from President Zelensky. This is not the first-time amateur radio has been banned since World War II; it was temporarily banned in Poland during martial law in late 1981.

From various reports and sources, it appears an exception is made for eastern Donetsk and Luhansk oblasts because those two already have special legal status because of Russia's occupation since 2014.

Various other parts of the decree set up a new system for entry and exit to and from Ukraine, restriction on the movement of vehicles and their inspections, a ban on mass events and strikes, a curfew, if necessary, document checks and other measures.

**7Q , D6, FH - Malawi, Comoros, Mayotte** - K6ZO, Don Jones, reports his travel visa for 7Q was delayed as he received it late on Wednesday. He will now be in Malawi (7Q6M) from March 2-15. Next, he will fly to Comoros (D60AB) on the 15th and 16th. He expects to arrive in Mayotte (FH/K6ZO) on March 18th and staying through March 23rd. Then he will fly back to Comoros where he will be until March 29, flying home the following day.

**J2 – Djibouti** - KN9U, aka J20MR, Matthew, is at Camp Lemonnier. He says, "Right now just me, working to get more operators trained up and tested. Jonathan, KO4PZJ, should have his Djibouti callsign soon as well." Matthew's rig is an ICOM 718 to a Wolf River portable antenna, covering 80-10 meters. He is doing SSB and says, "digital if I'm able to get equipment shipped out." He is still working on QSLing details but says he's doing Logbook of the World. Matthew says it's not a DXpedition, just a small group of hams who have started a military recreation club, KO4OXN, and they're deployed to Djibouti, operating in their free time. They plan to teach technician and general licensing classes to "hopefully produce more hams in the military community," and they hope to set up a permanent club at the base in Djibouti.

**HS – Thailand** - K3ZO, aka HS0ZAR, reports covid problems notwithstanding, Thailand's NBTC held an exam for the Thai Intermediate Class License on February 5. This class is allowed to use the HF bands, whereas the Thai Novice Class is VHF only. Of 78 exams taken, 52 passed the Morse receiving exam, which is still required there. Most of those typically pass the written also, but the results take longer to be released to the public. Says Fred, more stations from HS are expected on HF soon. <https://www.qsl.net/rast/>

**SV9 – Crete** - Erwin, DK5EW, plans an SV8/DK5EW operation from Santorini Island (EU- 067), grid locator KM26, May 23-28 or 29, then Crete, SV9/DK5EW, KM15, May 31 to June 11. He is in the process of requesting a special SW prefix guest call "for easier decoding in JT65." Erwin will have an IC-9700 and 750 watts, to a 2 by 8-element antenna array. He plans JT65/Q65 for EME and MSK/FSK for meteor scatter, FT8 if

there is any sporadic E, he says, and some SSB, 144 MHz only. Flights and lodging are booked. For a QSL he says it is only direct or LoTW. <http://dk5ew.com/ageanisland-2022/>

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# CONTEST CORNER

Below is a list of upcoming contests in the “Contest Corner”. I think this is important for someone who is trying to move up the DXCC ladder since entities that are on the rarer side and easiest to work in contests. Some of my best “catches” have been on the Sunday afternoon of a contest when the rarer entities are begging for QSOs. Of course, the gamble is that if you wait until Sunday, conditions may change, or they simply won’t be workable. However, it is not a bad gamble. Of course, why not work the contest and have some fun! Check out the WA7BNM Contest Calendar page (<https://www.contestcalendar.com/>) and CQ Magazine for more contests or more details.

The contests in **red** are those that I plan to spend some significant participation time on. PLEASE let me know if you are working contests and how you fared.

Thanks!

<b>Mar. 5 - 6</b>	<b>ARRL SSB DX Contes</b>	<b><a href="http://www.arrl.org/arri-dx">www.arrl.org/arri-dx</a></b>
Mar. 5 - 6	Open Ukraine RTTY Championship	<a href="http://krs.ho.ua/openrtty">http://krs.ho.ua/openrtty</a>
Mar. 6	UBA Spring Contest 80m Contest	<a href="http://bit.ly/2KKAtb9">http://bit.ly/2KKAtb9</a>
Mar. 7	RSGB 80m Club Championship, Data	<a href="https://bit.ly/31qpcJl">https://bit.ly/31qpcJl</a>
Mar. 9	VHF-UHF FT8 Activity	<a href="http://www.ft8activity.eu/index.php/en">www.ft8activity.eu/index.php/en</a>
Mar. 12	AGCW QRP Contest	<a href="http://bit.ly/2KKp3rY">http://bit.ly/2KKp3rY</a>
<b>Mar. 12</b>	<b>YB DX RTTY Contest</b>	<b><a href="https://rtty.ybdxcontest.com">https://rtty.ybdxcontest.com</a></b>
Mar. 12	QRP ARCI Spring Thaw SSB Sprint	<a href="http://www.qrpcontest.com/qrparki_thaw">www.qrpcontest.com/qrparki_thaw</a>
Mar. 12-13	EA PSK63 Contest	<a href="http://concursoes.ure.es/en/eapsk63/bases">http://concursoes.ure.es/en/eapsk63/bases</a>
Mar. 12-13	Idaho QSO Party	<a href="http://www.pocatelloarc.org/idahoqsoparty">www.pocatelloarc.org/idahoqsoparty</a>
Mar. 12-13	Oklahoma QSO Party	<a href="http://k5cm.com/okqp.htm">http://k5cm.com/okqp.htm</a>
Mar. 12-13	North American RTTY Sprint	<a href="http://ncjweb.com/north-american-sprint">http://ncjweb.com/north-american-sprint</a>
Mar. 12-13	RSGB Commonwealth CW Contest	<a href="https://bit.ly/31qpcJl">https://bit.ly/31qpcJl</a>
<b>Mar. 12-13</b>	<b>South America 10 Meter Contest</b>	<b><a href="http://www.sa10m.com.ar/index.html">www.sa10m.com.ar/index.html</a></b>
<b>Mar. 12-13</b>	<b>Stew Perry Topband Challenge</b>	<b><a href="http://www.kkn.net/stew">www.kkn.net/stew</a></b>
Mar. 13	FIRAC HF Contest	<a href="http://www.firac.de/html/contest.html">www.firac.de/html/contest.html</a>
Mar. 13	UBA Spring Contest 2m CW/Phone	<a href="http://bit.ly/2KKAtb9">http://bit.ly/2KKAtb9</a>
Mar. 13-14	Wisconsin QSO Party	<a href="http://www.warac.org/wqp/wqp.htm">www.warac.org/wqp/wqp.htm</a>
Mar. 16	RSGB 80m Club Championship, CW	<a href="https://bit.ly/31qpcJl">https://bit.ly/31qpcJl</a>
Mar. 19	AGCW VHF/UHF Contest	<a href="https://bit.ly/3lw91PK">https://bit.ly/3lw91PK</a>
Mar. 19	PODXS 070 Club St. Patrick’s Day Contest	<a href="http://bit.ly/38ugUiF">http://bit.ly/38ugUiF</a>

Mar. 19-20	Virginia QSO Party	<a href="https://bit.ly/3leqHvl">https://bit.ly/3leqHvl</a>
Mar. 19-20	SARL VHF/UHF Analogue Contest	<a href="http://bit.ly/H0IqQf">http://bit.ly/H0IqQf</a>
<b>Mar. 19-20</b>	<b>Russian DX Contest</b>	<a href="http://www.rdx.org/asp/pages/rulesg.asp">www.rdx.org/asp/pages/rulesg.asp</a>
<b>Mar. 19-21</b>	<b>BARTG HF RTTY Contest</b>	<a href="http://bartg.org.uk/wp/contests">http://bartg.org.uk/wp/contests</a>
Mar. 20	UBA Spring Contest 80m SSB	<a href="http://bit.ly/2KKAtb9">http://bit.ly/2KKAtb9</a>
Mar. 24	RSGB 80m Club Championship, SSB	<a href="https://bit.ly/31qpcJl">https://bit.ly/31qpcJl</a>
<b>Mar. 26</b>	<b>FOC QSO Party</b>	<a href="http://www.g4foc.org/qsoparty">www.g4foc.org/qsoparty</a>
Mar. 26-27	Veron SLP Contest	<a href="http://bit.ly/2L9eT1L">http://bit.ly/2L9eT1L</a>
<b>Mar. 26-27</b>	<b>CQWW WPX SSB Contest</b>	<a href="http://www.cqwp.com">www.cqwp.com</a>
Mar. 27	UBA Spring Contest 6m CW/ Phone	<a href="http://bit.ly/2KKAtb9">http://bit.ly/2KKAtb9</a>
Mar. 28	RSGB FT4 Contest Series	<a href="https://bit.ly/31qpcJl">https://bit.ly/31qpcJl</a>
Mar. 30	UKEICC 80m Contests CW	<a href="https://ukeicc.com/80m-rules.php">https://ukeicc.com/80m-rules.php</a>
<b>May 28-29</b>	<b>CQWW WPX CW Contest</b>	<a href="http://www.cqwp.com">www.cqwp.com</a>

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## ***DX News***

### **ARLD008 DX news**

This week's bulletin was made possible with information provided by AA3B, The Daily DX, the OPDX Bulletin, 425 DX News, DXNL, Contest Corral from QST and the ARRL Contest Calendar and WA7BNM web sites. Thanks to all.

**SRI LANKA, 4S.** Operators DK7DR and DC0KK will be QRV as 4S7DRG and 4S7KKG, respectively, from the former Deutsche Welle shortwave broadcast relay station near Trincomalee from March 2 to 9. Activity will be on 40 to 15 meters with a focus on SSB and FT8. QSL to home calls.

**MALAWI, 7Q.** Don, K6ZO is QRV as 7Q6M while working at the Embangweni Mission Hospital. Activity is in his spare time. This includes being an entry in the CQ World Wide 160 Meter SSB and upcoming ARRL International DX SSB contests. QSL direct to home call.

**MALDIVES, 8Q.** Operators Karel, OK2WM and Vlad, OK2WX are QRV as 8Q7WM and 8Q7WX, respectively, from Innahura Island, IOTA AS-013, until March 8. Activity is on 160, 80, and 40 meters using CW and SSB. QSL to home calls.

**NEPAL, 9N.** Robert, 9N7AA has been active using FT8 on 30 meters around 1230z and 17 meters around 1300z. QSL via LoTW.

**CAPE VERDE, D4.** Oliver, DJ5QS is QRV as D4CW and D44DX from Santa Maria village on Sal Island, IOTA AF-086, until March 2. Activity is on 80 to 10 meters using CW and SSB. QSL to home call.

CANARY ISLANDS, EA8. Philippe, EA4NF will be QRV as EA8/EA4NF from Hierro Island, IOTA AF-004, from March 4 to 6. Activity will be on the FM and Linear LEO satellites from very rare Grid Squares IL07 and IL17. QSL via LoTW.

GUADELOUPE, FG. Philippe, F1DUZ is QRV as FG4KH until March 15. Activity is on the HF bands. This includes being active in the REF SSB and upcoming ARRL International SSB DX contests. QSL to home call.

ST. LUCIA, J6. A group of operators will be QRV as J68HZ from March 1 to 7. Activity will be on 160 to 10 meters. This includes being active in the upcoming ARRL International SSB DX contest. QSL direct to K9HZ.

ST. VINCENT, J8. Brian, GW4DVB is QRV as J88PI from Bequia Island, IOTA NA-025, until March 8. Activity is on 40 to 6 meters using SSB, SSTV, and FT8. QSL direct to home call.

BELGIUM, ON. Members of the Radio Club Belge de l'Est are QRV with special event call sign OR100RCBE during all of 2022 to celebrate the club's founding in 1922. QSL via ON4GDV.

CURACAO, PJ2. Andreas, DK5ON will be QRV as PJ2/DK5ON from March 1 to 17. Activity will be on 160 to 6 meters using CW, SSB, FT8, and FT4. This includes being active in the upcoming ARRL International SSB DX and Russian DX contests. QSL to home call.

SINT MAARTEN, PJ7. Tom, AA9A will be QRV as PJ7AA from February 26 to March 26. Activity will be on 80 to 10 meters using CW, SSB, FT8, and FT4. QSL direct to home call.

BRAZIL, PY. Special event station ZZ165IBI is QRV during the month of March to commemorate the founding of the city of Ibiuna 165 years ago. QSL via PU2SWB.

ANTIGUA, V2. Bud, AA3B will be QRV as V26K from March 3 to 10. Activity will be on the HF bands using CW. This includes being active as a Single Op/High Power/All Band/Unlimited entry in the upcoming ARRL International SSB DX contest. QSL via LoTW.

The K1USN Slow Speed Test, QCX CW Challenge, OK1WC CW Memorial, RSGB FT4 Contest, Worldwide Sideband Activity Contest, RTTYOPS Weeksprint, AGCW 80-Meter YL-CW Party, Phone Weekly Test, A1Club AWT, CWops Test, VHF-UHF FT8 Activity Contest, Mini-Test CW 40, Mini-Test CW 80, UKEICC 80-Meter SSB Contest and AWA John Rollins Memorial DX CW Contest are all on tap for February 28 to March 6.

Please see February QST, page 75, and the ARRL and WA7BNM Contest web sites for details.

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## Upcoming Hamfests

We **DO** have some hamfests scheduled for 2021!! Yes, take a good look at the list, it's growing every day!



Be sure to keep your eyes on this schedule as that when things start getting better and the vaccine rolls out to more and more, hamfests will surely get back to their normal schedule. Don't see your hamfest listed?? Did anyone register it with ARRL? It's really easy to do and you get a lot of FREE publicity if you do.

## *Ohio Hamfests*

# 2022

**03/12/2022 - [MOVARC Hamfest](#)**

**Location:** Bidwell, OH

**Sponsor:** Mid-Ohio Valley Amateur Radio Club

[Learn More](#)

**03/13/2022 - [Winter Hamfest](#)**

**Type:** ARRL Hamfest

**Sponsor:** Northern Ohio Amateur Radio Society

[Learn More](#)

**03/20/2022 - [Toledo Mobile Radio Association Hamfest](#)**

**Canceled**

**04/09/2022 - [Sixty-Sixth Cuyahoga Falls Amateur Radio Club Hamfest](#)**

**Location:** Cuyahoga Falls, OH

**Sponsor:** Cuyahoga Falls Amateur Radio Club, Inc.

**Website:** <http://www.cfarc.org/hamfest.php>

[Learn More](#)

**04/24/2022 - [Athens Hamfest](#)**

**Location:** Athens, OH

**Sponsor:** Athens County Amateur Radio Association

**04/25/2022 - 04/29/2022 [RV Radio Network Spring Rally](#)**

**Location:** Millersburg, OH

**Sponsor:** RV Radio Network



<p><b>Website:</b> <a href="http://www.ac-ara.org/">http://www.ac-ara.org/</a>  <b>Learn More</b></p>	<p><b>Website:</b> <a href="http://rvradionetwork.com">http://rvradionetwork.com</a>  <b>Learn More</b></p>
<p><b>05/01/2022 - <a href="#">Lucas County Amateur Radio Emergency Service Trunk Sale and Swap Meet</a></b>  <b>Location:</b> Toledo, OH  <b>Sponsor:</b> Lucas County Amateur Radio Emergency Service  <b>Website:</b> <a href="http://tinyurl.com/lcaresswap">http://tinyurl.com/lcaresswap</a>  <b>Learn More</b></p>	<p><b>05/20-22/2022 - <a href="#">Dayton Hamvention</a></b>  <b>Location:</b> Greene County Fairgrounds, OH  <b>Sponsor:</b> Dayton Amateur Radio Association  <b>Website:</b> <a href="https://hamvention.org">https://hamvention.org</a>  <b>Learn More</b></p>
<p><b>06/04/2022 - <a href="#">FCARC Summer Hamfest</a></b>  <b>Location:</b> Wauseon, OH  <b>Sponsor:</b> Fulton County Amateur Radio Club  <b>Website:</b> <a href="https://k8bxq.org/hamfest">https://k8bxq.org/hamfest</a>  <b>Learn More</b></p>	<p><b>07/09/2022 - <a href="#">Mansfield Mid Summer Trunkfest</a></b>  <b>Location:</b> Mansfield, OH  <b>Sponsor:</b> Intercity Amateur Radio Club  <b>Website:</b> <a href="http://www.w8we.org">http://www.w8we.org</a>  <b>Learn More</b></p>
<p><b>07/17/2022 - <a href="#">Van Wert Hamfest</a></b>  <b>Location:</b> Van Wert, OH  <b>Sponsor:</b> Van Wert Amateur Radio Club  <b>Website:</b> <a href="http://W8FY.ORG">http://W8FY.ORG</a>  <b>Learn More</b></p>	<p><b>08/13/2022 - <a href="#">Cincinnati Hamfest</a></b>  <b>Location:</b> Owensville, OH  <b>Sponsor:</b> Milford ARC  <b>Website:</b> <a href="https://CincinnatiHamfest.org">https://CincinnatiHamfest.org</a>  <b>Learn More</b></p>
<p><b>09/17/2022 - <a href="#">Mound Amateur Radio Assoc. Swap Meet</a></b>  <b>Location:</b> Miamisburg, OH  <b>Sponsor:</b> MARA  <b>Website:</b> <a href="http://W8DYY.ORG">http://W8DYY.ORG</a>  <b>Learn More</b></p>	<p><b>09/25/2022 - <a href="#">Cleveland Hamfest</a></b>  <b>Location:</b> Berea, OH  <b>Sponsor:</b> Hamfest Association of Cleveland  <b>Website:</b> <a href="http://www.hac.org">http://www.hac.org</a>  <b>Learn More</b></p>

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## ***Print an Official or Unofficial Copy of Your Amateur Radio License*** *(By Anthony Luscre, K8ZT)*

As of February 17, 2015, the **FCC no longer routinely issues paper license documents** to Amateur Radio applicants and licensees. The Commission has maintained for some time now that the official Amateur Radio license authorization is the electronic record that exists in its Universal Licensing System (ULS). The FCC will continue to provide paper license documents to all licensees who notify the Commission that they prefer to receive one.

Licensees also will be able to print out an official authorization — as well as an unofficial “reference copy” — from the ULS License Manager. I’ve created a set of instructions on how you can request an **“official” printed copy of your license\***



[Click here to download the instructions](#)

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## ***One Question Questionnaire***

Hey Gang,

Last months question **"HAVE YOU EVER OPERATED A HAM STATION OUTSIDE OF THE US??"**

Survey Says: About 1/3 have and 2/3 have not. The new question is:

**HAVE YOU EVER OPERATED FROM A STATE OR FEDERAL PARK? YES OR NO?**

You’ll find the “One Question” questionnaire on the Ohio Section Website! <http://arrlohoio.org> It’s all for fun and it’s not a scientific survey in any way, but we are learning some things that we didn’t know from these questions. I hope that you are enjoying answering these “One Question” questionnaires.



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## ***V.E. Test Sessions***

Many V.E.’s have decided to start testing once again, but with restrictions that need to be adhered to for sure. Here’s the link to find that V.E. Test session and what is expected of YOU before going. <http://www.arrl.org/find-an-amateur-radio-license-exam-session>



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## From The South 40

(from John Levo, [W8KIW@arrl.net](mailto:W8KIW@arrl.net))

# OHIO'S



--February 27, 2022

As mentioned last time ham radio activities throughout the Ohio South 40 Region have been rather slim pickens during February. However the last full week of the month has had a flurry of new hams gaining their licenses. Thanks to Ted Jacobson, W8KVK, and Tom Mongold, Jr., KD8LDS, we have learned the following: Technician licenses have been issued to Logan's Michael Grove (KE8UAA) and Fayetteville's Julie Kukulka (KE8TZI). Wilmington's William Ferguson earned not only his Technician, but walked away from his test session with a General and the KE8TZB call sign. The recent **Highland ARA** test session in Hillsboro resulted in four new Technicians. Lynchburg's ham population increases by two as Eric Wireman and Brian Pickens are now KE8TZW and KE8TZX. Gary Moore from Hillsboro is now KE8TZY and Kelly Jo Congrove traveled from Aberdeen to become KE8TZZ. Congratulations to each and welcome to the world of ham radio.

The results of test sessions held this week are not known as this column is prepared. Those sessions in Middletown, Coal Grove and Chillicothe will be shared with you once they are known.

Jerry Lockhart, W8HIC, tells us the **Portsmouth RC** will hold a Laurel test session on Monday evening, March 7, at the American Legion Post in downtown Portsmouth. All elements will be given at the 5 PM test session. Those testing are invited to stay for the Club's business meeting to follow.

On March 12 the **Mid-Ohio Valley ARC** will hold a hamfest at the Fellowship of Faith Church near Rio Grande. It runs from 8 AM until 1. Steve Roush, KE8JGE, also reminds his fellow members of their March meeting on the 5<sup>th</sup> at 101 2<sup>nd</sup> Street in Point Pleasant, WV. This important meeting will get underway at 8:30 AM with the final plans for the hamfest as the discussion topic.

Don't forget to mark your calendar for the annual **Athens County ARA** Hamfest. It will be on Sunday, April 24. More details will be forthcoming as the final arrangements are made.

Although the **Hocking Valley ARC** is scheduled to meet on March 1, it has not been decided whether to hold an in person meeting or to meet over-the-air. The decision will be posted on their website. The **Clinton County ARA** will meet on Thursday evening, March 3 at the Boyd Cancer Center in Wilmington. It will start at 7:30. The **Lancaster Fairfield County ARA** will also meet on the 3<sup>rd</sup>. Their meeting is at the Fairfield County EMA Office and gets underway at 7 PM. The **Highland ARA** Brunch Bunch will meet on Saturday morning, March 12 in the dining area of the Hillsboro McDonald's. That gathering starts around 10 AM.

The Wilmington Office of the National Weather Service has announced they will not be holding individual storm spotter training programs in the various counties in their service region. In their place they will conduct two on-line sessions. The first is Thursday evening, March 24 beginning at 6 pm. The final one is on Monday evening April 18 at 7 pm. For those Southern Ohio area hams living in the Charleston NWS service area, on-line training will be conducted on the evenings of March 8 and 24 at 7 pm. Check the appropriate NWS Office website to learn how to participate.

The **Athens County ARA** has two public service events in April they will provide communications for. The first is the Iron Furnace Trail Run on April 2 and the Athens Marathon on April 10. Several hams are needed for each event. If you can provide assistance to one or both, please contact Jeff Slattery, N8SUZ, at [n8suz@arrl.net](mailto:n8suz@arrl.net).

What is an antipode? As a small kid I recall my grandfather seeing me digging a deep hole and asked if I was trying to dig a tunnel to China. That would have been impossible. However if it had been, I would have had to have started digging in Argentina. An antipode is the exact opposite point on the other side of the globe. In the case of Southern Ohio that would be somewhere in the Indian Ocean.

**THIS JUST IN--**John Hartmus III, WB8GRX, just announced the completion of a successful test session by the **Scioto Valley ARC**. According to John they had one individual achieve a new license and three candidates updated to General. Information on whom those individuals are will be shared in our next column.

There will be no column next week as N8ZNR and I will be on travel to attend the Cave City, Kentucky hamfest and to get a truck load of pine straw for our 500 bush blueberry growing operation. So until next time keep safe, be healthy and do your part to keep our radio waves active.

John Levo, W8KIW, [jlevo@cinci.rr.com](mailto:jlevo@cinci.rr.com)

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### ***Final... Final***

There was an American Historian and Pulitzer Prize winning writer by the name of Studs Terkel (look it up – I’m not kidding) who said: “It ain’t bragging if it’s true”. I point that out because I want to say that this edition of the OHIO Section Journal has got a lot of really good information for you in it! I can only say that because of all the people who contribute to this and the PostScript that come out to you on a regular basis. My participation is minimal. I’m thankful for all of the Section Officers that contribute here to keep you up to date with what goes on in the Ohio Section. I’m also *especially* thankful to John Levo – W8KIW and Bill Salyers who have articles every week!

John Ross – KD8IDJ – Ohio Section Public Information Coordinator asked me to ask all PIO’s and Club Newsletter editors to send him their name, email address, callsign and what newsletter they edit or group they are PIO for. John wants to invite you all to a ZOOM meeting to help you all produce a top quality newsletter and be successful and informing the public about Amateur Radio! Please send your information to him at [john.ross3@att.net](mailto:john.ross3@att.net) or [kd8idj@arrl.net](mailto:kd8idj@arrl.net) . Thanks.

You may have seen this already:

ARRL Bulletin 7 ARLB007  
From ARRL Headquarters  
Newington CT February 24, 2022  
To all radio amateurs

SB QST ARL ARLB007

ARRLB007 FCC: Amateur Service Licensees May Not Use Radio Equipment to Commit Criminal Acts

The FCC Enforcement Bureau has re-issued an earlier reminder that licensees in the Amateur Radio Service, as well as licensees and operators in the Personal Radio Services are prohibited from using radios in those services to commit or facilitate criminal acts. The FCC did not indicate what, if anything, prompted the renewed Enforcement Advisory or if it was just a routine announcement.

The Enforcement Advisory can be found in PDF format online at,  
<https://docs.fcc.gov/public/attachments/DA-22-181A1.pdf> .

"The Bureau recognizes that these services can be used for a wide range of permitted and socially beneficial purposes, including emergency communications and speech that is protected under the First Amendment of the US Constitution," the FCC said. "Amateur and Personal Radio Services, however, may not be used to commit or facilitate crimes."

As it did in advisories in 2021, the Enforcement Bureau is reminding amateur licensees that they may not transmit, "communications intended to facilitate a criminal act" or "messages encoded for the purpose of obscuring their meaning."

"Likewise, individuals operating radios in the Personal Radio Services, a category that includes Citizens Band radios, Family Radio Service walkie-talkies, and General Mobile Radio Service, are prohibited from using those radios "in connection with any activity which is against Federal, State or local law.

"Individuals using radios in the Amateur or Personal Radio Services in this manner may be subject to severe penalties, including significant fines, seizure of the offending equipment, and, in some cases, criminal prosecution.

"To report a crime, contact your local law enforcement office or the FBI," the FCC advised.

So, now that you know about that, here's something else I'd like to report that I think you'll all be a bit more interested in:

In a proposed rule published on December 22, 2021 by the US Department of Agriculture / Forrest Service, new "fees" would be imposed on "communications" services located in Federal parks. As written it could seriously impair Amateur Radio's ability to use facilities in Federal parks without paying additional Fees. On February 22, 2022 legal counsel for the ARRL filed comments on behalf of ARRL and all Amateur Radio facilities requesting that they be exempt from the proposed new fees. You can find a link to the filing on the Main Page of the Ohio Section Web site ([www.arrl-ohio.org](http://www.arrl-ohio.org)) or the following link will take you right to the filing - [http://arrl-ohio.org/sm/ARRL\\_RIN%200596-AD44%20USFS%20Fees%20NPRM%2002\\_2022.pdf](http://arrl-ohio.org/sm/ARRL_RIN%200596-AD44%20USFS%20Fees%20NPRM%2002_2022.pdf)  
I think it would be well worth your time to read it.



I've often said that the ARRL is the *only* organization that represents the interests of Amateur Radio operators to the government and the bureaucratic subdivisions that want to legally diminish our enjoyment of the hobby. Without ARRL, we effectively have no voice in response to any changes they want to suggest. And most of them would be detrimental to the hobby. I would like to suggest to you all that you support the ARRL with your membership and donations. With a membership of around 160,000 we are not a huge group in the eyes of the legislators. By comparison, the NRA has approximately 5.5 million members. We need to do a better job of not only bringing new people into the Amateur Radio hobby, we need to do a better job of getting more Hams into the ARRL. It's about way more than just a new Handbook coming out each year!

73, de  
Tom WB8LCD OH Section Manager  
[WB8LCD@ARRL.ORG](mailto:WB8LCD@ARRL.ORG)  
330-554-4650

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### ***"Swap & Shop" on the website***

Hey Gang,

Have you taken a look at the **Swap & Shop** page on the Ohio Section webpage yet?? Here's a link that will take you there...

<http://arrl-ohio.org/sm/s-s.html>



Do you have equipment that you just don't need or want anymore? Here's a great venue to advertise it, and it's FREE!!

Is your club doing a fund raiser to help raise money? After a lot of thought, it was decided that the Swap & Shop webpage could also contain these types of items as well.

The same rules will apply as do for the For Sales and Give-A-Ways and will only be posted for a month at a time. Please see the Terms & Conditions on the webpage.

If your club is doing a fund raiser and wants more exposure, please forward the information to me and I'll advertise it on the Swap & Shop webpage for you. Now, I still want to remind you that it won't be listed in this newsletter because it would take up way too much space, so your ad will only appear on the website. It is there for any individual to post equipment Wanted / For Sale or Give-Away as well as for Club Fund Raisers. No licensed vehicles/trailers or business advertising will be posted.

Postings are text only (no pictures or graphics) will be posted for a maximum of 1 month from date posting and require a contact phone number or email within the posting. Send your Wanted / For Sale or Give-Away post to: [swap@arrlohio.org](mailto:swap@arrlohio.org)

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## Back Issues of the PostScript and Ohio Section Journal

Hey, did you know that PostScript and Ohio Section Journal (OSJ) are archived on the website? You can go back and look at any edition simply by clicking:

<http://arrl-ohio.org/news/index.html>



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### Ohio Section Cabinet

Section Manager – Tom Sly, WB8LCD	Section Emergency Coordinator – Stan Broadway, N8BHL
Technical Coordinator – Jeff Kopcak, K8JTK	Section Traffic Manager – David Maynard, WA3EZN
State Government Liaison – Bob Winston, W2THU	Affiliated Clubs Coordinator – Tom Sly, WB8LCD
Section Youth Coordinator – Anthony Lascre, K8ZT	Public Information Coordinator – John Ross, KD8IDJ

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## Chit – Chat, and All That!

Do you know someone that's not getting these Newsletters? Please, forward a copy of this Newsletter over to them and have them "[Opt-In](#)" to start receiving them. Heck just have them send an email to: [webmaster@arrl-ohio.org](mailto:webmaster@arrl-ohio.org) to be added.



We now have many thousands of readers receiving these newsletters weekly. Quite impressive, I'd say! I urge all of you to make sure that everyone, regardless of whether they are a League member or not, get signed up to receive these weekly Newsletters.



You can always "Opt-Out" at any time if you feel this is not what you were expecting. It's fun and very informative. All of your favorite past newsletters are now archived too. You can go back at any time and read them. Just go to: <http://arrl-ohio.org/news/>

The pictures on the front page and throughout this newsletter are from various newsletters, Facebook posts and/or were sent directly to me in recent weeks. Take a good look at them, you just might be in one of the pictures! "SMILE... you're in the Ohio Section News!!"



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*The Ohio Section Journal (OSJ) is produced as a comprehensive look at all the programs within the Ohio Section. I sincerely hope that you have enjoyed this edition of the OSJ and will encourage your friends to join with you in receiving the latest news and information about the Ohio Section, and from around the world!*

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