



Ohio Section Journal *July 2022*

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From the Technical Coordinator

Jeff Kopcak – K8JTK TC

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Hey gang,

Seven operators activated Special Event Station W8B on July 16, 2022. Operating team consisted of: Technical Specialist Bob – K8MD - Bird employee and mastermind in planning the event, K8FH - Fred, K8TV – Ken, KC8NZJ - Mat, NF8O - Dave, KE8BKI - Stephanie, and K8JTK. This Special Event commemorated 80 years of Bird Electronic Corporation and 70 years of the Model 43 Wattmeter.



In 1940, J. Raymond Bird developed a way to quickly and accurately measure forward and reflected power in coax transmission lines. In April 1942, Bird Engineering Company was founded in Cleveland, Ohio. According to an old sign on their website, the original location was on E. 38th street. Later, the company renamed to Bird Electronics Corporation. After securing important contracts in the late 1950's, they located to their current facility in Solon, Ohio. Bird was instrumental in the Mercury and Apollo space programs during the 1960's, supplying radio-tracking equipment and loads for equipment testing. Today, Bird manufactures and packages test equipment, signal boosters, analyzers, and recording equipment.

In 1953, the [Bird 43 RF Wattmeter](#) was introduced and quickly became the industry-standard tool for RF power measurement. A staple in many ham shacks, the Bird 43 is popular in and broadcast industries as well. During the 1970's, Bird provided affordable test equipment to ham radio operators during emergencies helped Bird become a household name. The 43 is popular because it a wide range of frequencies, 450 kHz to 2.7 GHz between 100 mW to using plug-in elements. These elements are commonly referred to as meter is an insertion-type, meaning placed in-line of the transmission measuring forward and reflected power.

Started out as a dreary, rainy morning. When I left my QTH, the sun to make an appearance. Rain held off for us to operate 7 hours before round was on its way. Three portable stations were operational. Two K8MD and K8FH, and one VHF/UHF by K8TV. The HF antennas portable turnstile dipoles with a fabricated or Spiderbeam center mast. quickly deployable and go up in about 20 minutes. The VHF/UHF was commercial antenna on a fabricated mast that rose just above one of the docks.

Plan was to be on the air by 1000 local. Setup went quick and W8B was operational around 0900 testing the equipment with a few initial contacts. We operated from the outdoor employee patio of Bird. Operators were treated to a tour of the factory by K8MD. It was nothing short of impressive. In order to test manufactured products, there are high power broadcast transmitters for dummy load testing and plenty of test equipment that any ham would love to have in their shack. Most products, including the 43, are made, tested, and shipped from the Solon, Ohio location.



70 years of the Bird 43 Wattmeter (Bird)

commercial critical and which can measure 10 kW, "slugs." The line,

was starting another HF by were These are a unloading



K8FH on CW and K8TV on VHF/UHF

After the tour, we met executives Katie Wright - Director of Strategic Development, Dana Svilar - Manager of Marketing Communications, and CEO Terry Grant. They were interested to see the setup and how the event was progressing. We explained and demonstrated the digital station. Sideband contacts were made and they heard from hams that own a Bird 43.

The bands weren't the best to start out. On 40m, we're logging contacts. Then, like a light-switch, there was nothing, including on FT8. Katie was trying to coordinate a contact with N1KSC, Kennedy Space Center Amateur Radio Club, with some close friends of hers. For a good while, they were hearing us 59 but we did not copy them at all. Right about noon, K8MD finally established contact.

There was still plenty of QSB but he got them in the log. Katie even got on the radio to say a few words during the exchange!

K8TV operated the VHF/UHF station. He was making contacts on repeaters in Lorain (close to 40 miles at our 1100 ft elevation) and surrounding counties, including making simplex contacts. K8FH operated the CW station. NF8O made quite a number of sideband contacts in the afternoon despite the up-and-down band conditions. K8MD, KC8NZJ, and myself operated FT8 throughout the day.

Bird graciously bought us lunch from a local pizzeria and we received swag for coming out and playing radio. We operated until 1600, a little past that on the digital station, and started to strike the equipment. We were on the road home around 1700.

164 contacts were made: CW: 5, SSB: 37, FM: 26, FT8: 96. Thanks to K8MD who planned the event. Bird Electronic Corporation for allowing us to operate from their facility and their hospitality. If you made contact with W8B, you will receive a QSL card, designed by Dana, as a thank you.



K8MD, Katie Wright, Dana Svilar, Terry Grant, and NF8O

One of the many things on my ham radio “do-more-with” list is [AREDN mesh](#). I have a MikroTik RouterBOARD hAP ac lite node I setup some time ago. I haven’t done much with it due to not having any real way to get a high-profile node and no other nodes are around me. It’s been running in the shack with a tunnel to W8ERW & Sandusky ARES. I haven’t advanced much on “now what?” after the initial exercise of flashing a node with AREDN’s firmware.



Striking the last antenna for W8B: KC8NZJ, K8TV, KE8BKI, K8FH, and NF8O

If you have an AREDN node and haven’t updated in the last few months, start planning an upgrade. AREDN implemented many projects which have made considerable improvements to the firmware. The original Broadband-Hamnet was written in [Perl](#) and AREDN continued to build on and maintain Perl code. A conversion from Perl to the [Lua programming language](#) has been completed. This conversion recovered a lot of memory by removing large Perl libraries. Nodes will now run code optimized for embedded devices. Memory

saved by the conversion means the tunnel package and iperf3 (speed testing) are now bundled with the base firmware. Previously, both had to be installed manually after each upgrade.

Upgrades and selecting the correct firmware should be much easier too. Nightly builds are available for testing new features or tweaks in the firmware. Though, “nightlies” as they are called, are pre-alpha releases.

According to the project, theirs are pretty stable. This doesn’t mean they should be installed on production nodes in hard-to-reach places in case something goes sideways.

Link Quality Management has been added to help optimize networks and drop links that cause network problems. Nodes with poor SNR, too far away, or prone to many retransmissions can be dropped automatically. These cause poor performance for nodes without those issues. An example: a high-profile node has to account for all connected nodes. If a node 40 miles away from its location its connected, it must wait for acknowledgments from all connected nodes. Should that node 40 miles away not be able to receive messages or messages can’t be delivered back to the high-profile node, this degrades speed and performance significantly. The high-profile node must wait for responses and possibly keep retransmitting the same message to that node until a response is received. LQM will drop nodes that do not meet quality criteria. This feature is turned off by default, unless it was configured previously.

These updates, network design basics, and demo of the next generation user interface are covered in a recent LAXNORTHEAST meeting. That meeting is [available on YouTube](#) featuring AREDN representative Orv – W6BI. He deployed the mesh backbone in Ventura and western Los Angeles Counties. His presentation isn’t introductory but is beneficial for those who have setup and maintain a node.

A radio that covers ALL ham radio voice digital modes? Reality or vaporware? Projects, like the [DV4 Mobile](#), have been vaporware. Taking a swing at the market this time is the [Connect Systems CS800D PLUS](#). It claims: to store 520,000 contacts and 64,000 channels, have the ability to do DMR, FUSION, DSTAR, P25 and NXDN, make its own code plug on the fly, and many more features yet to come. Consider me intrigued. OK, it doesn’t do most of this out-of-the-box. Essentially the CS800D PLUS is the CS800D today, a DMR and analog dual-band mobile radio. Features will be added ‘without the manufacture's cooperation’ and ‘firmware will be done by the Amateur community.’ Not really sure how that is going to work since the existing firmware isn’t open sourced, documented, or have documented hooks/APIs. Additionally, the “all digital modes” comes via a “co-processor or your laptop to allow you to add digital modes not currently in the radio.”

I have the CS800D but purchased one of these anyway to see if this actually comes to fruition, especially the ‘all the digital modes’ part. If not, it or my 800D will appear on the used market! I envision this radio will utilize a NW Digital Radio DV3000 or DVMEGA DVstick on a Raspberry Pi or computer using a serial connection between the radio and computing device. This would provide off-radio encoding/decoding of digital modulation and analog frames. No working proof of concepts or documented working setups have been posted as of this writing. Posted documents mostly show how to convert codeplugs between the CS800D and CS800D PLUS. Firmware for the CS800D PLUS is not backwards comparable with a CS800D, according to Connect Systems. The CPS will work with both radios but the firmware is not compatible due to CPU and memory differences.



openSPOT 4 (openSpot)

Flying under my radar was the release of the [SharkRF openSPOT 4](#). After reading up, it's another incremental release. What's new in the 4? Improved battery life (up to 30 hours), multi-core CPU, new WiFi module, and split into two offerings: openSPOT 4 and openSPOT 4 Pro. That's it, near as I can tell. It's probably due to chip shortages, but the openSPOT 4 is available now where as the openSPOT 4 Pro is due to ship again August 20th.

What's the difference between the 4 and 4 Pro? Hardware cross mode capability and price. The openSPOT 4 rings in a € 249.00 (\$254.14 USD) and the 4 PRO at € 319.00 (\$325.59 USD, both conversions as of this writing). First introduced in the openSPOT 3, SharkRF hotspots are the only ones with the ability to cross mode D-STAR with DMR, C4FM, and NXDN networks. The 4 does not have the capability to cross mode D-STAR with other networks, the 4 Pro does have this capability. As with other openSPOT releases, the release of the OS4 end-of-life's the previous model. The openSPOT 3 will probably get some firmware updates here-and-there but don't expect many more based on past experience. [I liked the openSPOT 3 for what it was](#). The 4's are another pass for me because this release that doesn't offer much more features than my openSPOT 3.

Nearly as soon as the OSJ went to publish [last month](#), the wording about

DroidStar no longer being available for iOS was removed. It appears the issues of concern were resolved.

[DroidStar is back in TestFlight](#) and I heard from iOS users that it was working for them again.

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

From the Section Emergency Coordinator

Stan Broadway, N8BHL - SEC

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October's Coming!

We are in the planning stages for the Ohio Simulated Emergency Test (SET) which is held traditionally on the first weekend of October. This year would be October 1-2.



We have had some good discussion on the ARESOhio@groups.io board (are you subscribed?) about what premise we should use and how we should organize. The general consensus thus far is another mass communication outage or grid-down power failure. Strictly for the purposes of this exercise it doesn't really matter what the emergency is that launches our operation, what ultimately exists is a failure to communicate when we step in. One concern that makes it more realistic yet harder to direct is that emergencies "start local and end local" and grow in between as they're resolved. Mat, KC8NZJ our DEC for the North Coast D10, has

suggested we keep a local focus on our drill. That would mean scenarios developed on the local level in partnership with our local served agencies, primarily EMA's. We can then coordinate on a district level as additional activity or messaging would be needed.

Another prominent idea is to develop a practice for the coming 2024 solar eclipse. This promises to be an "all hands" event as amateur radio has been a key ingredient for state planning thus far. I want to reach out to all amateurs (beyond just ARES) to be ready to volunteer as we develop our plans! Of course like a response to an emergency, our primary goal would be to pass messages between counties and to the state W8SGT station. A lot of that will be digital using IS-213 forms over fldigi on both VHF and HF frequencies. Because this will cover the majority of the state in one way or another, I can see where we need to regionalize our activity... organizing nets on the district level then up to the state.

So here is a challenge to you all, especially EC's: are you "all in" to work with your local EMA and develop an exercise that fits their concerns and meets our goals of exercising communications? This will take meeting with your EM to ask what they would like to prescribe as an exercise... and obtaining their buy-in to at least help you develop a scenario. Ideally, they could participate in the exercise! If we can apply the eclipse scenario to their local concerns, that would be a huge win! Some concerns that will face every county involved:

- Population increase (for several days around the event)
 - Traffic
 - Housing/camping
 - Food / fuel
 - Medical care and concerns
- Communications strain (consider overloaded cell service)
 - Messaging for several internal county activities (hospital/health/traffic/etc,)
 - Messaging to surrounding counties, and to the state

There are many other aspects for which you can plan. We can't start too soon!

Are you up to the challenge?

New ARES Plan

With no announcements, the ARRL has loaded a new version of the “ARES Plan” onto their web. This is a revision to the overall scope and direction of ARES nationwide. The plan is here:

<http://www.arrl.org/files/file/ARES%20Plan%20Revision%207122b.pdf>

This change came from the emergency committee working under the ARRL Board, it’s chaired by our own Division Director Dale, WA8EFK and Assistant Division Director Scott, N8SY has put hours into it. The document is a revision to one that has been in place, and all major points are still there. It emphasizes that our primary function is to communicate and stresses the need for ways to properly handle message traffic, including a liaison to the NTS.

There are some subtle changes in the qualification and training segments. In Ohio, for instance, we have considered the ARRL task book to be optional and not a requirement. The plan now ‘codifies’ the option of Professional Development Series as an alternative to ICS 300/400 which is hard to get into for most hams. Ohio has been using that all along. We would appreciate your comments (a good place to start is the ARESoHio@groups.io board) to help us determine how we approach this.

FROM THE PIC

John E. Ross

ARRL Ohio Section Public Information Coordinator

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2022 Ohio Section Newsletter Contest - All Winners!!!

The 2022 Ohio Section Newsletter Contest is over, the entries are in, they have been judged and the winners will be announced on Saturday August 6th at the Columbus Hamfest in Grove City, Ohio.

This was another great year! The newsletters show that we have the hardest working group of editors and writers anywhere in the world!! Many of newsletters are more than 20 pages long...longer than some major commercial newspapers.

It takes a great effort and commitment to put these newsletters together every month. Nobody does it better than the Ohio Section.

The Columbus Hamfest is sponsored by The Aladdin Shrine Audio Unit, W8FEZ. Doors open at 6:00 AM for vendor setup and the gates open at 8:00 AM. Talk-In is on the Central Ohio Radio Club repeater, 146.760 - PL 123.0 and the hamfest runs until 1:00 PM.

Here's the address to help you navigate in: Aladdin Shrine Center 1801 Gateway Circle Grove City, Ohio 43123. The newsletter award ceremony will take place between 10:00 and 11:00 AM. Join us for a great Hamfest and meet the editors of the winning newsletters.

73...CLEAR ON MY FINAL

This is my last PIC column for the Ohio Section. I remember 10 years ago when, then-Section Manager Scott Yonally, asked if I wanted the Public Information Coordinator position. WOW! A chance to use my journalism and public relations experience writing about my favorite hobby...HAM RADIO? I couldn't say yes fast enough. Honestly, I don't know what I would have done for the last decade without this opportunity.



It has been fun, rewarding, and exciting all along the way.

There was never a dull moment and there was always something ham radio related to talk about. I have met thousands of amateur radio operators and I never met one I didn't like!

Organizing the Ohio Section Newsletter Contest is a big deal and an important part of what this section is all about...camaraderie. Every newsletter speaks volumes to the dedication we share for our club, our section, and our fellow hams. We talk on the air, off the air and over the air about our lives, our experiences, our ideas, and concerns. The end result is a better understanding of amateur radio and a better understanding of ourselves. By moving our relationships forward we move amateur radio forward as well. All of the technology in the world won't work unless we work...and we do.

THANK YOU doesn't seem like enough to say to all of the folks who helped me over the years. I could not have done this alone. There was always a friendly voice to answer my questions, to clear up any confusion, and point me in the right direction.

I'm not done writing about amateur radio just yet. Since late March I have been the ARRL News Editor

responsible for the weekly ARRL Letter and ARRL Audio News. Some of my stories even make into QST magazine and several other ARRL publications. I'm still listening, watching, and writing about amateur radio thanks to everyone in the Ohio Section.

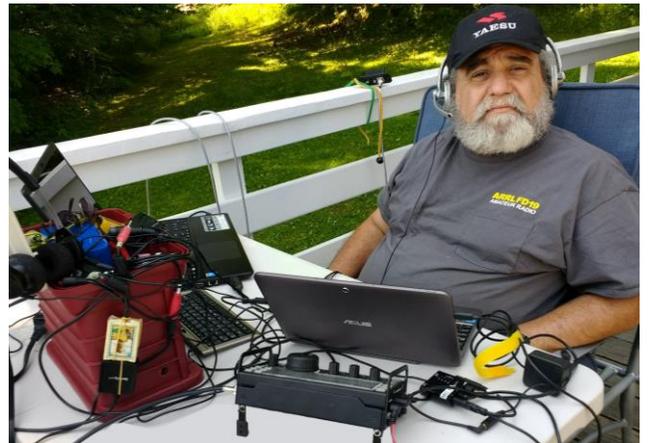
It has been an honor and a privilege to serve as Public Information Officer...THANK YOU for the opportunity.

73...CLEAR ON MY FINAL

John.

John E. Ross
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From the Section Youth Coordinator
Anthony Luscre, K8ZT - SYC
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Late Summer Activities

Ohio QSO Party

The *Ohio QSO Party* takes place Saturday, August 27, 2022. The OH QSO Party is your opportunity to represent our state to the rest of the Amateur Radio world.

Most Amateur Radio contests have some type of multiplier- country, zone, state, etc. Participants want to work these multiplier stations to dramatically increase their overall score. Traveling to a rare DXCC country to be a multiplier in a contest can be fun, but it is a grueling and often expensive proposition. Planning, travel, foreign licensing, lodging, equipment and antennas can be formidable obstacles. But I have some good news; you can become a highly desired multiplier in Ohio QSO Party this August without all the hassles.

Every county in Ohio is a multiplier. Due to the number of participants in each county, some are rarer multipliers than others, but all are sought-after multipliers for those participating in the contest. So you can simply operate



from your home station, go portable to a rarer county (setting up Field Day style), or activate multiple counties by operating Mobile or as a Rover.

Ohio QSO Party Rules (OhQP)

The complete rules and detail for the Ohio QSO Party can be found at www.ohqp.org/index.php/rules. The contest allows CW and SSB on 160, 80, 40, 20, 15, and 10 meters. There are five operating classes: Single Operator, Multi-Operator, Emergency Operation Center (EOC), Mobile and Rover. There are three power categories: High, Low and QRP. There is also a Club competition with aggregated scores of club members. The contest period extends from 1200 EDT [noon] to 2400 EDT [midnight] (1600Z Saturday until 0400Z Sunday). All stations may operate the full twelve hours.

Ohio QSO Party Exchange for in State Stations (County Abbreviation)

County	ABBV	County	ABBV	County	ABBV	County	ABBV
Adams	ADAM	Fairfield	FAIR	Licking	LICK	Portage	PORT
Allen	ALLE	Fayette	FAYE	Logan	LOGA	Preble	PREB
Ashland	ASHL	Franklin	FRAN	Lorain	LORA	Putnam	PUTN
Ashtabula	ASHT	Fulton	FULT	Lucas	LUCA	Richland	RICH
Athens	ATHE	Gallia	GALL	Madison	MADI	Ross	ROSS
Auglaze	AUGL	Geauga	GEAU	Mahoning	MAHO	Sandusky	SAND
Belmont	BELM	Greene	GREE	Marion	MARI	Scioto	SCIO
Brown	BROW	Guernsey	GUER	Medina	MEDI	Seneca	SENE
Butler	BUTL	Hamilton	HAMI	Meigs	MEIG	Shelby	SHEL
Carroll	CARR	Hancock	HANC	Mercer	MERC	Stark	STAR
Champaign	CHAM	Hardin	HARD	Miami	MIAM	Summit	SUMM
Clark	CLAR	Harrison	HARR	Monroe	MONR	Trumbull	TRUM
Clermont	CLER	Henry	HENR	Montgomery	MONT	Tuscarawas	TUSC
Clinton	CLIN	Highland	HIGH	Morgan	MORG	Union	UNIO
Columbiana	COLU	Hocking	HOCK	Morrow	MORR	VanWert	VANW
Coshocton	COSH	Holmes	HOLM	Muskingum	MUSK	Vinton	VINT
Crawford	CRAW	Huron	HURO	Noble	NOBL	Warren	WARR

Cuyahoga	CUYA	Jackson	JACK	Ottawa	OTTA	Washington	WASH
Darke	DARK	Jefferson	JEFF	Paulding	PAUL	Wayne	WAYN
Defiance	DEFI	Knox	KNOX	Perry	PERR	Williams	WILL
Delaware	DELA	Lake	LAKE	Pickaway	PICK	Wood	WOOD
Erie	ERIE	Lawrence	LAWR	Pike	PIKE	Wyandot	WYAN

Since 1999 the Mad River Radio Club has sponsored the Ohio QSO Party. “To get up-to-the-minute info on OhQP, post questions or tell everyone about your OhQP experience...OhQP has a mail list (reflector). To subscribe (allowing you to post messages) [click-here](#) or to view the archives [click-here](#). This is the only place on the web to get “official” information on the Ohio QSO Party. We are not on Facebook, Twitter or anywhere else.”

Ohio State Parks On The Air

The [OSPOTA](https://ospota.org) takes place Saturday, Sept 10, 2022. This is the fifteenth running of this fun event. I’m sure there will be other details concerning this event in the Ohio Section Journal, or you can visit the website- <https://ospota.org>.



Cuyahoga Falls Amateur Radio Club To The Field (CTTF)

This is a much smaller and local event similar to OSPOTA. You may not be close enough to participate (basically, you need to be in or near Summit county as the majority of the contacts will be on VHF/UHF

simplex), but even if you cannot participate, I want to let you know about the event as you may want to model something similar for your area or local club.

CTTF takes place from 4:30 to 7:30 PM Wednesday, September 14, 2022. This is the second running of this event, and everyone in the area is invited to participate. It uses the 16 Summit County Metro Parks plus many trailheads on the county hiking trails as locations/multipliers.

Below is a listing of frequencies used:



10 M		6 M		2 M		0.75 M
FM	SSB	FM	SSB	FM		FM
29.600	28.320 to 28.340	52.525	50.125 to 50.135	146.460	146.535	446.0000
29.620		52.540		146.475	146.550	446.0125
29.640		52.550		146.490	146.565	446.0250
29.660		52.570		146.505	146.580	446.0375
29.680		52.590		146.520	146.595	446.0500

For further details on CTTF, here is a link to:

- [A newsletter article](#) and
- [A slideshow](#)

Also, if you are interested in participating or would like further information on recreating a similar event for your club, feel free to contact me. We especially invite all hams in or near Summit county to participate in this activity either from home or from a park entity.

That's it for this month; I hope to work you in the Ohio QSO Party, OSPOTA and/or CTTF.

73,

Anthony, K8ZT (k8zt@arrl.net)

YOUR METRO PARKS

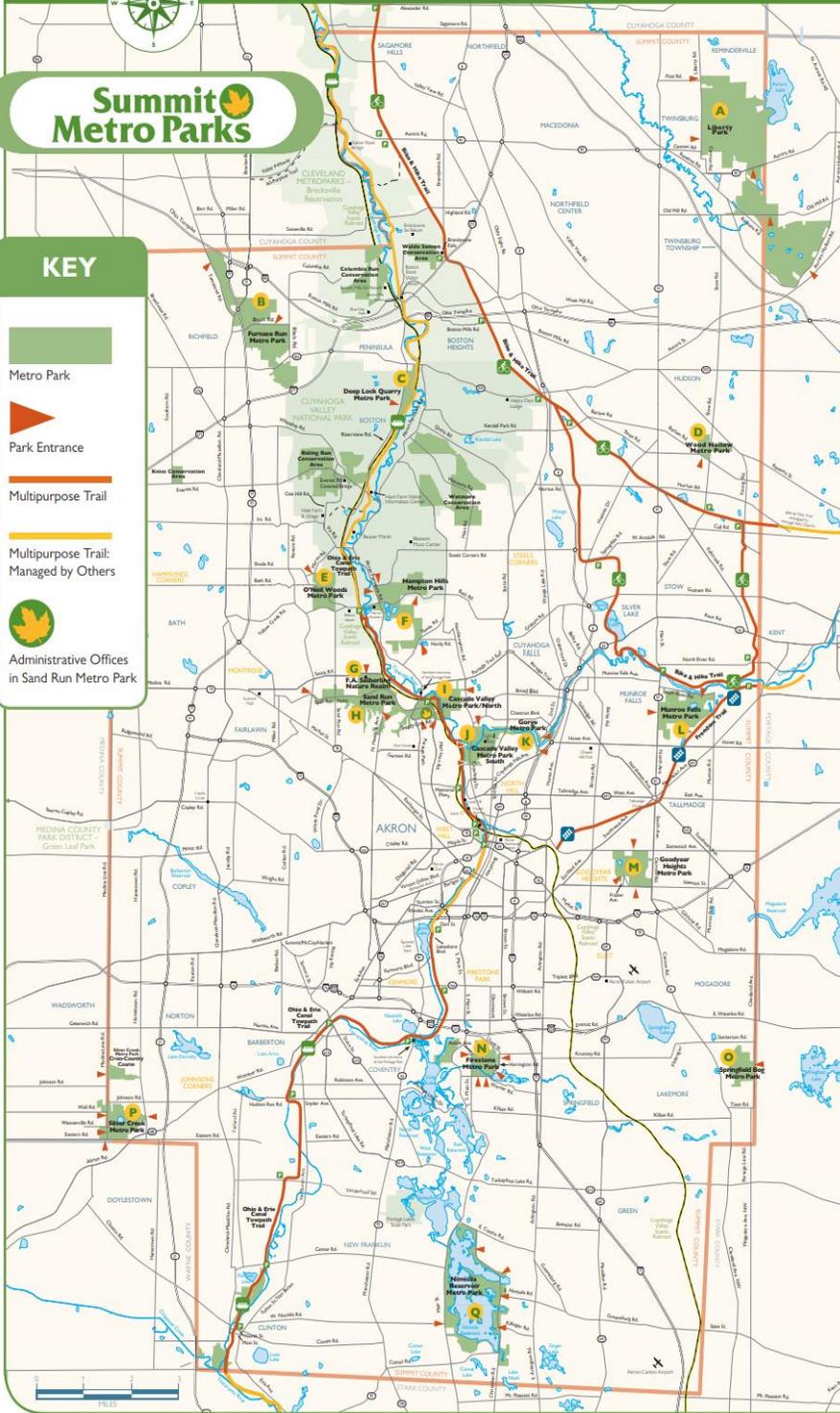
Map of Summit County



Summit Metro Parks

KEY

-  Metro Park
-  Park Entrance
-  Multipurpose Trail
-  Multipurpose Trail: Managed by Others
-  Administrative Offices in Sand Run Metro Park



SUMMIT METRO PARKS

- A Liberty Park**
Entrances on Liberty, SR 82/E. Aurora, Old Mill and Aurora-Hudson roads
- B Furnace Run Metro Park**
Entrances on Townsend and Brush roads
- C Deep Lock Quarry Metro Park**
Entrance on Riverview Rd.
- D Wood Hollow Metro Park**
Entrance on Barlow Rd.
- E O'Neil Woods Metro Park**
Entrance on Martin Rd.
- F Hampton Hills Metro Park**
Entrances on Akron-Peninsula, Bath, W. Steels Corners and Theiss roads
- G F.A. Seiberling Nature Realm**
Entrance on Smith Rd.
- H Sand Run Metro Park**
Entrances on Revere Rd., Portage Path, N. Hawkins Ave., Treaty Line Rd. and Sand Run Rd.
- I Cascade Valley Metro Park/North**
Entrance on Cuyahoga St.
- J Cascade Valley Metro Park/South**
Entrances on Cuyahoga St. and Sackett Ave.
- K Gorge Metro Park** Entrances on Front St.
- L Munroe Falls Metro Park**
Entrances on SR 91/North Ave. and S. River Rd.
- M Goodyear Heights Metro Park**
Entrances on Newton St., Eastwood Ave. and Frazier Ave.
- N Firestone Metro Park**
Entrances on Harrington and E. Warner roads and on S. Main St.
- O Springfield Bog Metro Park**
Entrance on Portage Line Rd.
- P Silver Creek Metro Park**
Entrances on Hametown, Eastern and Medina Line roads
- Q Nimisila Reservoir Metro Park**
Entrances on Christman Rd. and S. Main St.

For addresses and individual park and trail maps, visit summitmetroparks.org.

Bike & Hike Trail

- SR 82: 685 & 686 Aurora Rd., Sagamore Hills 
- Brandywine Falls: 8176 Brandywine Rd., Sagamore Hills 
- Boston Heights: 298 W. Boston Mills Rd., Boston Hts. 
- SR 303: 64 W. Streetsboro Rd., Boston Heights 
- Barlow: 321 Barlow Rd., Hudson 
- Springdale: 968 Springdale Rd., Stow 
- Silver Lake Town Hall: 2985 Kent Rd., Stow 
- SR 91 (Brass Park): 130 N. Main St., Munroe Falls 
- Silver Springs Park & Campground: 5027 Stow Rd., Stow 
- Young Road: 5090 Young Rd., Stow 

Freedom Trail

- Middlebury: 1765 Northeast Ave., Tallmadge 

Ohio & Erie Canal Towpath Trail

- Botzum: 2928 Riverview Rd., Akron 
- Big Bend: 1337 Merriman Rd., Akron 
- Memorial Parkway: 499 Memorial Pkwy., Akron 
- Mustill Store: 248 Ferndale St., Akron 
- Summit Lake: 380 W. Crosier St., Akron 
- Wilbeth Road: 392 W. Wilbeth Rd., Akron 
- Manchester Road: 2740 Manchester Rd., Akron 
- Barborton: 5 Fairview Ave., Barborton 
- Wolf Creek: 33 Snyder Ave., Barborton 
- Vanderhoof Road: 2445 Vanderhoof Rd., New Franklin 
- Franklin: 2328 Center Rd., New Franklin 
- Clinton: 2749 North St., Clinton 

 Managed by the City of Akron

 ICONS IN BLUE INDICATE ACCESSIBILITY

From the Section Traffic Manager
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wa3ezn@att.net



How to send, relay and deliver a radiogram

THE AMERICAN RADIO RELAY LEAGUE RADIOGRAM <small>VIA AMATEUR RADIO</small>							
NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
1	R		NØIP	ARRL 15	GRANITE FALLS, MN		JUL 16
TO			JOHN DOE 123 BLOGGER STREET WEBVILLE, MN 56241		THIS RADIO MESSAGE WAS RECEIVED AT AMATEUR STATION _____ PHONE _____ NAME _____ STREET ADDRESS _____ CITY, STATE, ZIP _____		
TELEPHONE NUMBER			555-555-1234				
ARL	FIFTY	X	THIS	IS			
A	TEST	RADIOGRAM	X	SEND			
ME	A	REAL	ONE	SOON			
				TODD			
REC'D	FROM	DATE	TIME	SENT	TO	DATE	TIME
THIS MESSAGE WAS HANDLED FREE OF CHARGE BY A LICENSED AMATEUR RADIO OPERATOR, WHOSE ADDRESS IS SHOWN IN THE BOX AT RIGHT ABOVE. AS SUCH MESSAGES ARE HANDLED SOLELY FOR THE PLEASURE OF OPERATING, NO COMPENSATION CAN BE ACCEPTED BY A "HAM" OPERATOR. A RETURN MESSAGE MAY BE FILED WITH THE "HAM" DELIVERING THIS MESSAGE TO YOU. FURTHER INFORMATION ON AMATEUR RADIO MAY BE OBTAINED FROM ARRL HEADQUARTERS, 225 MAIN STREET, NEWINGTON, CT 06111				THE AMERICAN RADIO RELAY LEAGUE, INC. IS THE NATIONAL MEMBERSHIP SOCIETY OF LICENSED RADIO AMATEURS AND THE PUBLISHER OF QST MAGAZINE. ONE OF ITS FUNCTIONS IS PROMOTION OF PUBLIC SERVICE COMMUNICATION AMONG AMATEUR OPERATORS. TO THAT END, THE LEAGUE HAS ORGANIZED THE NATIONAL TRAFFIC SYSTEM FOR DAILY NATIONWIDE MESSAGE HANDLING.			
PRINTED IN USA							

This is a sample of a radiogram. You can receive a radiogram from another ham operator like this for yourself over the air, over the phone or in the mail. You can also receive a radiogram over the air for delivery to the recipient or for relay to another ham who can relay or deliver it. If you are sending or relaying this radiogram your first word after establishing connection will be NUMBER. This is how you would read this radiogram if you are sending or relaying it by radio.

NUMBER ONE ROUTINE NOIP ARL15 GRANITE FALLS NM JULY 16

JOHN DOE 123 BLOGGER STREET WEBVILLE MN 56241 555 555 1234 BREAK

ARL FIFTY F-I-F-T-Y XRAY THIS IS A TEST RADIOGRAM XRAY SEND ME A REAL ONE SOON
BREAK TODD

Delivery of this message to the recipient is very different. After establishing that you have the recipient on the phone you need to explain who you are and that you have a radiogram message for them. This may lead into a chance for further explanation of ham radio and message handling especially if the recipient is not a ham radio operator. This is how you would deliver this radiogram to a non ham recipient.

GREETINGS BY AMATEUR RADIO THIS IS A TEST RADIOGRAM SEND ME A REAL ONE SOON
TODD.

This information is provided for amateur radio operators (stations) interested in learning more about traffic handling. Along with good on-air practices, you need to understand the radiogram format used when moving traffic, special words that are used during traffic nets, and how to properly log your traffic handling.

While traffic can move over various modes, including digital and Morse code (CW), this information will focus on moving traffic using your voice, such as over single side band (SSB) or FM.

The primary objective of the NTS and the methods and protocols I describe here is to facilitate transmission of formally written messages from origin to destination so that it arrives exactly as it was written, word for word, letter for letter, space for space, regardless of what mode (voice, CW, digital...) is used. Stations involved in the NTS have a responsibility to promptly relay messages, deliver messages, and service undeliverable messages back. These stations also interface with the public and served agencies, and it is expected these stations will represent amateur radio well.

I highly recommend listening to a traffic net to better understand this information. I also suggest reading this information in pieces, as trying to comprehend all of it at once can be quite a bit to take on. If you are able to participate in a traffic net that offers training, use this information to help you start off, and seek guidance and feedback from those on the traffic nets as you build your skills. If you are in Ohio, consider participating on the Ohio Single Sideband Net which is a traffic net that is happy to train new operators about traffic handling. These nets occur three times daily (see below).

Delivering traffic

Once a piece of traffic reaches its destination area, it will be relayed to an amateur radio operator within the addressee's area for final delivery. Ideally this operator would be in the same city as the addressee, but it is not uncommon for the addressee to be in the area, such as within the same metropolitan area.

An ARRL Numbered Radiogram is a brevity code used in composing ARRL Radiograms during times of radio congestion. The code is used to transmit standard messages, sometimes with customized text, very quickly by experienced ARRL National Traffic System (NTS) message traffic handlers. If you have an ARL numbered

radiogram for delivery, you should look up the meaning of these when providing the radiogram text to the recipient. They will likely not know what “ARL FIFTY” means.

Delivery options

When you are given a piece of traffic for delivery, your delivery options are based on what was included in the address part. Ideally the traffic includes a phone number, as this is the most common way to deliver traffic.

Phone delivery

Simply call the phone number and ask for the addressee. Explain you are an amateur radio operator and that you are delivering a message that arrived over amateur radio.

If no one answers but there is a voice mail greeting which says the addressee’s name (or you are otherwise confident you have the right phone number), you can leave the radiogram’s text in the voice mail and consider the traffic delivered. Provide a callback number in case they have any questions.

If you try calling the number but there is no answer, try again in a day or two. If there is a voice mail box, and the greeting does not indicate whose mailbox it is by name, leave a message explaining you’re trying to deliver a message to the addressee and provide your callback number.

What if the phone number is wrong, or not included? You should try to find a valid number. Remember, the goal is to deliver the message, and a quick internet search may yield a working phone number.

Postal service delivery

If there is no phone number, or if phone calls were unsuccessful, you can try putting the message in the mail. Provide a quick explanation, just as you would on the phone, about the traffic net and that you are delivering a message that arrived via amateur radio.

Note that if the radiogram has a HXG handling instruction, the sender has explicitly indicated you should not spend any funds when attempting delivery, which includes the cost of postage, paper, and envelope. In this case, if you cannot deliver the message by phone, email, or in person, send a message back indicating you could not deliver the message.

Email delivery

Alternatively, if the radiogram includes an email address, or if you can locate their email on a site such as [QRZ](https://www.qrz.com/) at <https://www.qrz.com/>, you can email the recipient. This should be treated as a last resort, as email delivery somewhat negates sending the message via amateur radio.

Personal delivery

While this is an option, it really shouldn’t be attempted unless you personally know the recipient. Putting aside the cost and time involved, your safety is more important than delivering the radiogram.

Successful delivery

If you are able to deliver a piece of traffic to its recipient, unless the sender has explicitly requested confirmation, such as via the handling instruction HXC, there is no need to send confirmation, but it is good form.

There is an ARL numbered radiogram item for this, ARL FORTY SEVEN, which is shorthand for, “Reference your message number ___ to ___ delivered on ___ at ___ UTC.” You can use this shorthand in your reply traffic. For example, if you successfully delivered the example radiogram above on October 5 at 23:15 UTC (which is 6:15 PM Central Daylight Time), your radiogram text would be:

What would the check on this message be? ARL 9. We used an ARL shorthand in the text, so we need to place ARL ahead of the check number. Also, we say 73 at the end, but given that number is right against another, it is good practice to separate the numbers with initial X-RAY for clarity.

Unsuccessful delivery

After two or three days, if your delivery attempts were not successful, it is good practice to send a message back to the sender letting them know. Similar to successful delivery, there is an ARL numbered radiogram you can use, ARL SIXTY SEVEN, which is shorthand for, “Your message number ___ undeliverable because of _____. Please advise.” While this suggests you will receive a reply back on what to do, chances are the sender will appreciate your notification and leave it at that.

Let’s say our example radiogram was not successfully delivered after multiple phone call attempts because they are not answering, and we are not able to place this in the mail, email it, or deliver it personally. Our radiogram’s text would be:

ARL SIXTY SEVEN 1 NO ANSWER AFTER SEVERAL ATTEMPTS 73

Again, our check here is ARL 10 given we use an ARL shorthand.

While the text above fits the ARL shorthand, it is good practice to also provide the recipient’s callsign (if applicable), as well as phone number, for two reasons. Providing a callsign can aid the sender in matching up what traffic you’re referencing, and providing the phone number can help the sender determine if it somehow changed during transit. With this in mind, the text would read:

ARL SIXTY SEVEN 1 555 555 1234 NO ANSWER AFTER SEVERAL ATTEMPTS 73

And its check is ARL 13.

Once a piece of traffic reaches its destination area, it will be relayed to an amateur radio operator within the addressee’s area for final delivery. Ideally this operator would be in the same city as the addressee, but it is not uncommon for the addressee to be in the area, such as within the same metropolitan area.

If you have an [ARL](#) numbered radiogram for delivery, you should look up the meaning of these when providing the radiogram text to the recipient. They will likely not know what “ARL FIFTY” means.

ARRL Numbered Routine Messages

FORTY SIX	Greetings on your birthday and best wishes for many more to come..
FORTY SEVEN	Reference your message number _____ to _____ delivered on _____ at _____ UTC.
FIFTY	Greetings by Amateur Radio.
FIFTY ONE	Greetings by Amateur Radio. This message is sent as a free public service by ham radio operators here at _____. Am having a wonderful time.
FIFTY TWO	Really enjoyed being with you. Looking forward to getting together again.
FIFTY THREE	Received your _____. It's appreciated; many thanks.
FIFTY FOUR	Many thanks for your good wishes.
FIFTY FIVE	Good news is always welcome. Very delighted to hear about yours.
FIFTY SIX	Congratulations on your _____, a most worthy and deserved

- achievement.
- FIFTY SEVEN Wish we could be together.
- FIFTY EIGHT Have a wonderful time. Let us know when you return.
- FIFTY NINE Congratulations on the new arrival. Hope mother and child are well.
- SIXTY Wishing you the best of everything on _____.
- SIXTY ONE Wishing you a very merry Christmas and a happy New Year.
- SIXTY TWO Greetings and best wishes to you for a pleasant _____ holiday season.
- SIXTY THREE Victory or defeat, our best wishes are with you. Hope you win.
- SIXTY FOUR Arrived safely at _____.
- SIXTY FIVE Arriving _____ on _____. Please arrange to meet me there.
- SIXTY SIX DX QSLs are on hand for you at _____ QSL Bureau. Send _____ self-addressed envelopes.
- SIXTY SEVEN Your message number _____ undeliverable because of _____. Please advise.
- SIXTY EIGHT Sorry to hear you are ill. Best wishes for a speedy recovery.
- SIXTY NINE Welcome to the _____. We are glad to have you with us and hope you will enjoy the fun and fellowship of the organization.

PLEASE note that this is half of the list. I will be using the relief emergency group next month.

Message Handling Rules

Do not speculate on anything relating to an emergency! There may be hundreds of people listening to what you say (other amateurs, the media, and the general public using scanners), and any incorrect information could cause serious problems for the partners or others. You do not want to be the source of any rumor. If your partner requests an estimate, you can provide that information as long as you make it very clear that it is only an estimate. For example, "The estimated number of homes damaged is 12," would be an acceptable thing to say.

Pass messages exactly as they have been written or spoken. Even more important than speed is accuracy; your job as a communicator is to deliver each message as accurately as possible. Therefore, you must not change any message as you handle it. If it is longer than you would like, you must send it anyway. Seemingly misspelled words or confusing text must be sent exactly as received. Only the original author may make changes. If you note an inaccurate word count in an NTS format message, you must maintain the original count and follow it with the actual count received at your station, i.e., "12/11."

OHIO SINGLE SIDEBAND NET

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

OHIO HF CW TRAFFIC NETS

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

All net frequencies plus or minus QRM

OHIO LOCAL VHF TRAFFIC NETS

VHF NETS	NET TIMES	FREQUENCY	NET MANAGERS
BRTN	9:30 PM DAILY	145.230 PL 110.9	W8DJG
COTN	7:15 PM DAILY	146.970 PL 123.0	KV8Z
NWOHARES	6:30 PM DAILY	147.375 PL 103.5	N8TNV
TCTTN	9 PM Sun, Tues, Fri	147.015	WB8YYS
TATN	8:00 PM DAILY	146.670 PL 123.0	WG8Z

Before delivering that Radiogram from OSSBN. <https://www.ossbn.org>

One of the most joyous things that you as an Amateur Radio Operator can do is deliver good news to the general public, like birthday greetings, birth of grandchildren and so on. Delivering these messages to other active Amateurs is easy as that you are speaking the same language.

You do however need to keep in mind that when you are dealing with the general public that has had little to no exposure to Amateur Radio, or our message handling system, it's all different. So, Keep It Simple (KIS). Don't try to explain how the NTS operates, unless they specifically ask. Most generally they don't care and won't ask anyway.

But, it also can be a very embarrassing moment too. If for example, you get a birthday greeting hot from the net and call up thinking you're going to be delivering great news to someone. Then you find out that the person you're talking to is the widow of the person you want to deliver that good news to. This can be very hard for them (and you) to handle, especially if this is a person hurting. Your phone call is not one that they want to hear. They may even feel that you're being very insensitive. So, to avoid this situation it's advisable to do a quick check to be sure that the addressee is in fact alive.

How can you do that? There is a website (of course, isn't there always!!) that you can look up people from all over the country that have become Silent Key's. <http://www.genealogybank.com/gbnk/ssdi/>

This site has the most updated information on all the deaths recorded around the country, so it is a good source of information that can be counted on. But, like anything, don't count on it too much. It's just a listing, and like every list that's ever been produced it's outdated as soon as it gets published.

Your approach on how you contact the general public can also be as important. Be careful when making calls to

people that you don't know. During World War I, World War II, Korea, and yes, even Viet Nam, bad news often came by Western Union Telegraph. So, when you start to explain to those civilians (even other Amateurs) about your Radiogram, please be sensitive to the fact that they may confuse you for Western Union and bad news.

Also be sensitive as to how you ask for a person as well. Don't assume that this person is living there. They may have just moved out from a divorce, left with another partner or yes, even recently deceased. Your approach to this is as important, if not more so, than the message itself. You may want to practice how to ask for a person before you actually call the number. You never know what sort of response you are going to get on the other end. Be prepared!

And, just how do you approach this? Simply explain to the person answering that you are an Amateur Radio Operator and you have received a radio message for the individual you asked to speak with. The response from the person answering will guide you as to how to proceed. Listen carefully. Be sympathetic and end the conversation quickly if it is revealed that the person is deceased, or if there is a bad situation (divorce, person left, etc..) don't go into it any further. Apologize for disturbing the person and end the call quickly. If requested, service the message back to the sender explaining the situation.

If the person is just not available, then you have some choices. You can leave the message with the person answering, if they are agreeable, or you can ask when a better time to call would be. This last option may be met with some opposition since the individual may be concerned for safety reasons (remember, unless you know them, you are a stranger to them.)

So, be prepared to leave your phone number with them, so they can return your call.

<https://www.ossbn.org/information/before.html>

Be proud of your callsign and demonstrate your skills by saying it slowly and phonetically like this: Whiskey Alpha Three Echo Zulu November, for WA3EZN.

Until next month,

73

David

WA3EZN

Ohio Section Traffic Manager

ARES Training Update

Jim Yoder, W8ERW – ARES Data Manager

w8erw@arrl.net



ARES Training Update

Time flies when your having fun. Actually, it seems to fly regardless of the situation. A function of my age perhaps it is. I will make this official as my pending relocation to rural Leesburg, Oh in Highland County. My wife and I have been leading separate lives for the last two years for various reasons including family issues that required the attention of us both, me here in Fremont and Kim in Leesburg.

I am excited that we finally have the unencumbered opportunity to spend the rest of our lives together although I have begun to realize what a packrat I have become. It seems as I began packing up and preparing for the move, I have discovered the many hiding places for all those extra pieces of hardware etc. that I bought along the way when I could not find what I needed and already had. Certainly, my hoard of junk includes the usual, those items that I was sure I'd use sometime and never have. The list is indeed lengthy as I realize I was pretty good at saving all manner of junk over the years. If I had time now a table at one of the ham fests might help. One thing is certain, the amount of junk I've moved over the years each time I relocated has steadily increased. Do we all endeavor to fill up all the space we have available or is this trait mine alone to claim?

As I prepare and have begun consolidating and loading the trailer, many memories have resurfaced. Every box, tote and bag serve to remind me of the circumstances and often the many friends who either helped with a project or offered seasoned advice on how to handle an issue I had. Many times, I have paused a moment to reflect and give thanks for the great friendships I have made. I find this all one of the finer aspects of Amateur Radio. We love to associate, make friendships and to assist a fellow Amateur when the need presents to do so. In my thirty plus years of being a licensed Ham, I have been richly blessed with many friends and close relationships. For this I am eternally grateful for and to those who I embrace warmly in this group. Thank you.

I have family and many friends still here in Fremont and the larger area locally. I hope not to be a stranger after I assume my new address in Leesburg. I hope you all stay in touch and keep me in the many loops we have kept active over the years. I will still be maintaining the ARES Training Database as it can quite easily be done from anywhere. I kept it all going from Texas during my brief stay there. The records contain many familiar names and many friends that I have known around Ohio and our adjoining neighbors. The training Database has been a labor of love and I hope to continue although my 73 years have begun to talk to me in ways that are not entirely appreciated at times. Now would be a good time for someone who works with MS Access to consider assuming my duties. It is not a lot of work and I would be happy to take someone under my wing to insure they can carry on. I find it a rewarding experience and it does render a close relationship with both the ARES program and all of those who participate in the good work that we do. Please let me know if you find the opportunity appealing. I will stay around as long as I can. I do enjoy it and it is indeed a labor of love.

OK, no monthly piece is complete without those numbers. As we have progressed over the years, the influx of new certificates has waned as should be expected. Most now come from new Hams and ARES members. We

have done a remarkable job in the Ohio Section with promoting ARES training and many of you have stepped up to the task. The numbers speak well of our effort and Ohio Hams have taken a

leadership role in making the training a priority. I again offer my sincere thank you and praise for a job well done. The effort has many ramifications that both prepare us for a disaster and loudly exemplify our capability in service to our communities. The commercial interests will always be in pursuit of our spectrum allocations and ARES demonstrates to all those who would take them from us, the utility and service we can and often do provide when we are called to do so.

Yes, I'll now bring those numbers. There are 1,947 members included in the database. Level 1-890. Level 2-749 and Level 3-219. Many have attained additional significant credentials, 68 have completed the Professional Development Series, 80 have obtained the Aux Comm certification. Additionally, the Com series of certifications include 13 COM-L, 2 COM-N and 7 COM-T. Finally, in sadness, I have recorded the passing of many members. The training database now contains 63 Silent Keys.

Thank you all for your friendship, support and encouragement. You make us strong and are the heart and spirit of our Ohio Section.

Jim W8ERW

w8erw@arrl.net

National News

(from arrl and other sources)

Have News for ARRL?

Submissions for the ARRL Letter and ARRL News can be sent to news@arrl.org. -- John E. Ross, KD8IDJ, ARRL News [Editor](#)

QST Now Offering a Column for Radio Clubs

ARRL invites you to be part of "Club Station," the newest column in *QST*. This column is a space for radio clubs to share the different ways in which they're successful to help other clubs grow. They do this by offering advice, and practical solutions to common experiences and problems.

In each issue, a different club will share how they undertook a specific activity or project, how and why it was successful, and any challenges they may have had to overcome throughout the process. Some

examples include, but aren't limited to, successful community club projects, innovative ways to attract new members, getting youth involved with ham radio, and developing active hams.

"Clubs are the backbone of the amateur radio community," said ARRL Field Services Manager Mike Walters, W8ZY. "If your club is doing something that will inspire other clubs, we want to hear from you!"

"In order to help you tell your story, ARRL has published author guidelines that are geared toward 'Club Station,' and they include a club profile form," said *QST* Editor Leanna Figlewski, KC1RMP. Both of these documents can be found at www.arrl.org/qst-club-station-guidelines-and-profile-form. "You don't have to have writing experience to be published in *QST*. If your submission is accepted, our editorial staff will work with you to get your story ready for publication."

All clubs are welcome to participate. The first iteration of "Club Station" appeared in the August 2022 issue of *QST* (www.arrl.org/qst) and includes more information about what members can expect to see from the column.

If you have any questions, contact us at clubs@arrl.org. We look forward to hearing from you about your radio club!

Hams on SOTA Event Help Prevent Major Forest Fire

While participating in the Black Hills Amateur Radio Club's (ARC) annual Summits on the Air (SOTA) event in South Dakota on July 16, 2022, two amateur radio operators helped spot a potential forest fire.

Ryan Lindblom, KE0LXT, President of the Black Hills ARC, and Christopher Jaques, KD0RAS, had made their trek to Cicero Peak. Just before heading back down, they noticed what might be smoke or dust to the south near Hot Springs. Lindblom made a contact on their simplex frequency to ask a local amateur radio operator if there had been any reports of Forest Service activity in the area.

An off-duty ranger was monitoring a local ham repeater from his home, heard traffic from Cicero Peak, and called in the alert. A fire crew and a helicopter were able to contain a small fire 2.5 miles south of Pringle, South Dakota.

Ward Hall, WC0Y, attending the Black Hills SOTA weekend for his second year, reported that a forest ranger on Bear Mountain stepped out of the ranger tower to greet him, but at the time, was busy monitoring firefighting traffic.

"I could hear the radio activity while I was on the ground near the tower," said Hall. "The ranger later told me that the Forest Service was alerted to a small fire when an off-duty ranger was monitoring a local ham repeater



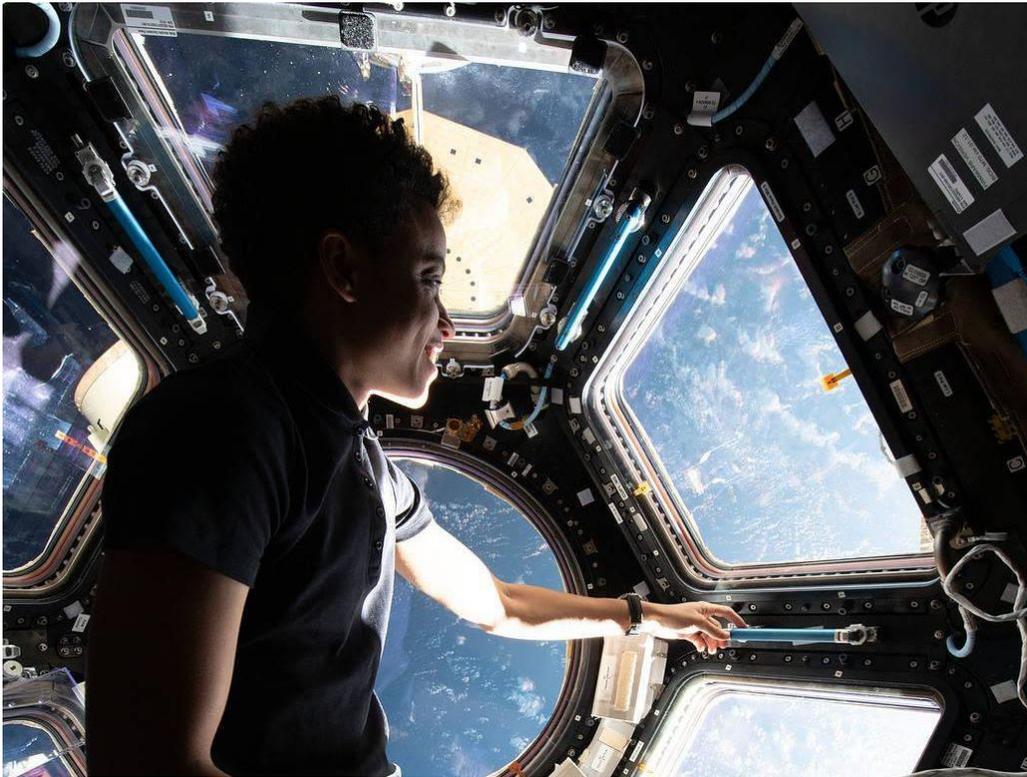
The York County Amateur Radio Society (YCARS) in South Carolina provides a welcoming environment for members to learn new skills. Here, members are learning how to program a Raspberry Pi. Be sure to read "Club Station" in the September issue of *QST* to find out more about YCARS and how they rebuilt their radio club.



and heard the traffic from Cicero Peak." Hall said the ranger credited the ham activity for an early alert that allowed them to address the fire while it was small. "He was very appreciative of how the ham activity helped them and asked that I pass it on," Hall added.

ARRL Dakota Division Director Bill Lippert, AC0W, applauded the work of the amateur radio operators for early reporting of what could have been a major fire, as well as credited the Forest Service for their quick response.

The Black Hills Amateur Radio Club had 12 people participating in their Black Hills SOTA weekend. The club has 75 members and covers the Black Hills region of South Dakota, which is in the southwest corner of the state. They are headquartered in Rapid City, South Dakota, and they are an ARRL Affiliated Club.



‘Decade of Results’: NASA Celebrates Space Station’s Benefits to Humanity

Now entering its third decade of life, the International Space Station has evolved from an outpost on the edge of space into a highly capable microgravity laboratory.

At any given time, the station hosts hundreds of investigations spanning every major scientific discipline. Scientific advancements made through microgravity research

range from the tangible, such as air purification and water filtration products, to the potential, such as cleaner combustion engines or medical scans that expose patients to lower levels of radiation. Results are compounding, new benefits are materializing, and innovative research and technology demonstrations are producing a legacy that will be felt for decades to come.

Our new e-book, [International Space Station Benefits for Humanity 2022](#), highlights the immeasurable benefits brought on from microgravity research—for society, science, exploration, and the economy. This edition focuses on new areas of scientific study, future technologies for the exploration of the Moon and Mars, lives saved, and contributions to the growing low-Earth orbit economy.

- **Read:** [15 Ways the Space Station Benefits Humanity](#)
- **Watch:** [15 Benefits of Space Station Research](#)
- **Listen:** [Benefits of Station Research Themed Podcasts](#)
- [Get the full digital book \(PDF\)](#)

For daily updates on the science happening aboard the International Space Station, follow us on Twitter [@ISS_Research](#), [on Facebook](#), or on our [website](#).



[Learn About the International Space Station](#)

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 you 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



Help Needed!

I'm still in need of a few operators for the Sylvania Triathlon on Sunday August 7th. So far I have K8EYN, K8TEC, KC8UFV, KD8COO, KD8IZU, KE8CQC, KE8ZJ, KM6AYG, N8EPC, N8XVD, W8MAL, W8SMN, W8TER, W8VHS and W8WSR signed up but I have several spots left to fill. The race starts at 7:30 AM and the course closes at 1:00 PM. The bike course has been changed by quite a bit since my last request due to construction. If you can help out or would like more information please contact me at k8rks@arrl.net or 419-471-0573. Thanks!

HARA – Never Give Up!

Thanks to the dedication of Doug Broyles, KE8ORQ, and fueled by not making an ISS contact during Field Day, K8HO has officially made contact with the flight crew aboard the International Space Station. Working the radio on the spacecraft was flight surgeon and spacewalker, Kjell Lindgren, KO5MOS. Dr. Lindgren has made several trips to space and has completed at least 2 space walks outside of the spacecraft. He also holds a General ham license. All Nasa astronauts are required to have a ham license, however, most only receive their Technician license. Dr. Lindgren has openly discussed his enjoyment of ham radio and it shows. He has made numerous contacts on his latest trip to space and have made a lot of hams very happy.



FYI

KY emergency frequencies:

2m - 146.550 (ARES Designated simplex frequency)

2m - 147.105+ TSQ 107.2 (Frankfort, KY 2m repeater)

40m - 7.228.0MHz LSB (14:00UTC - 21:00UTC)

75m - 3.972.5MHz LSB (21:00UTC - 14:00UTC)

Winlink - KY4TPR or KY4TPR@WINLINK.ORG - Standard ICS213 form preferred.

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. We have room in our next class to avoid the coming fees by the FCC!

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 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

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, 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 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

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 . If you have any questions, don't hesitate to contact me at KB8UUZ@gmail.com

Club Commission Program Update

One of the benefits of being an ARRL Affiliated Club is that you can receive a commission for recruiting new ARRL members and securing timely ARRL membership renewals. The commission structure for this program has been updated, and the process has changed to make things easier for the clubs. The new procedure involves all membership dues being sent to ARRL for processing, prior to the club receiving a commission payment directly from ARRL. The complication of adjusting funds around credit cards, checks, and cash has been eliminated. ARRL is now responsible for all of the processing. As a result, your club could earn money while promoting the many benefits and programs of ARRL, to help ensure that the amateur radio hobby is protected and continues to grow.

Additionally, the commission rate has changed. Now, clubs will receive \$15 for each new membership or lapsed membership (of 2 years or more). For renewing members, clubs will now receive \$5. There is no limit to the amount that a club can earn in this program.

Club leadership is encouraged to let their membership know that the club can benefit from this program. Only regular memberships are eligible for commission. Life, International, Family, Blind, and Student memberships are ineligible for commission.

The new Club Commission Program is available for all ARRL Affiliated Clubs and goes into effect on June 1. Additional information, as well as FAQs, can be found on the [Affiliated Club Benefits web page](#).

How to Plan and Apply for an ARRL Hamfest or Convention

If your amateur radio club is planning to host a convention, hamfest, tailgate, or swapfest, please consider applying for ARRL sanctioned status for your event. To learn what it means to be an ARRL-sanctioned event, and to get some ideas on how to prepare for and conduct a hamfest or convention, visit www.arrl.org/arrl-sanctioned-events.

To apply for ARRL sanctioned status for your event, log on to www.arrl.org/hamfest-convention-application.

The ARRL Hamfests and Conventions Calendar can be found online at www.arrl.org/hamfests. In addition, the Convention and Hamfest Calendar that runs in *QST* each month also presents information about upcoming events.

Important Links

ARRL Home: www.arrl.org

Find an ARRL Affiliated Club: www.arrl.org/clubs

Find your ARRL Section: www.arrl.org/sections

Find a License Class in your area: www.arrl.org/class

Find a License Exam in your area: www.arrl.org/exam

Find a Hamfest or Convention: www.arrl.org/hamfests

Email ARRL Clubs: clubs@arrl.org

ARRL Youth Licensing Grant Program

As of April 19, 2022, ARRL covers the one-time \$35 application fee for new license candidates younger than 18 years old that take tests administered under the ARRL Volunteer Examiner Coordinator (ARRL VEC) program. As part of the ARRL Youth Licensing Grant Program, the \$35 FCC application fee will be reimbursed after the ARRL VEC receives the completed reimbursement form and the new license has been issued by the FCC. The reimbursement check will be mailed to the fee payer. Also, candidates younger than the age of 18 would pay the ARRL VEC team a reduced exam session fee of \$5 at the time of the exam. The \$5 fee is for all candidates under the age of 18, regardless of the exam level taken. Proof of age is required at the session.

The Ohio Section Youth Net



Youth Net

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

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

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

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

DX This Week – EI8U - Brian

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

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To start this week off, we have to say CONGRATULATIONS to Dave, K8DV. Dave earned #335 when he confirmed VK0MQ, Macquarie Island. The endorsement stickers, shown at the left, arrived on the 26th. This is indeed a great achievement, and we are proud of Dave.



You may recognize the Dave's call as he was a consistent winner in the Ohio QSO Party, the Indiana QSO Party, and the Kentucky QSO Party. Additionally, he has allowed me to reprint his articles about submitting DXCC via LoTW and via mail. He has recently had a series of articles on the restoration of his Collins line.

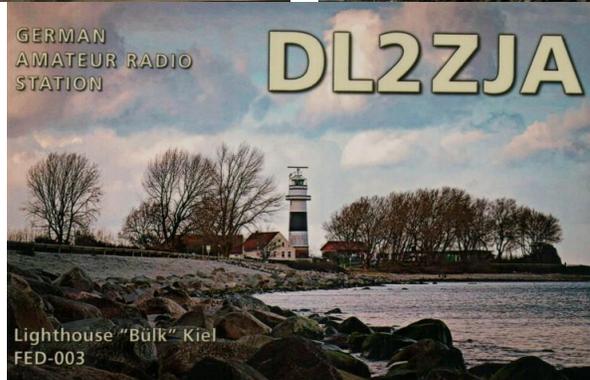
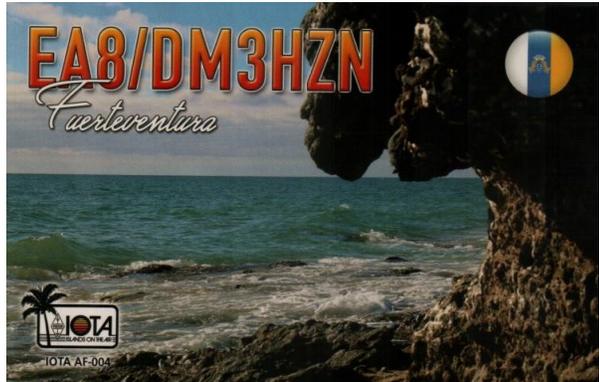
Well done, Dave!

This week, we have an interview with EI8IU – Brian. Check him out on QRZ.com for pics of his shack and land.

Next week I will pass along my list of contests that you should be planning to participate in to fill band slots and work towards your DXCC. In the meantime, please send me any thoughts, hints, or suggestions on your favorite contests. eMail me at aj8b@arrl.net.

I received some nice cards this past week, including a card from K8EIJ, Jim, in Xenia. As always, send along what you received!

Below are K8EIJ – James in Xenia, DL2ZJA – Jurgen in Osdorf, Germany, DF9AO – Wolfgang in Germany, HL5BMX – Soogil in South Korea, and EA8/DM3HZN – Achim in the Canary Islands.



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Interview with Brian, EI8IU

I worked Brian and checked out his QRZ.com webpage. I thought he would be an interesting guy to send questions to and I was right! He immediately agreed to answer my questions. He can be reached at brianei8iu@gmail.com This is reprinted with permission of the SouthWest Ohio DX Association.



AJ8B: How did you first get interested in amateur radio?

EI8IU: I first got introduced to radio in 1989 (or thereabouts). I started a new job and during the training one of the lads brought me for lunch and before we got into his car, he put a little mag mount antenna on the roof, we got in and he turned on what I presume was a 2-meter rig, he demonstrated it, and that was it!! His call was EI8GY and sadly became SK last year. I bought a Somerkamp radio from him which went from 26 to 30 MHz so that got me on the air. I was using that until I went to live in Germany in 1991. I came home for Christmas that year and had organized to sit the Amateur License exam in Dublin on the day we flew home, I passed it and got the basic EI license (EI9ERB). I returned to Germany and exchanged that for the basic German License, done the CW test (three times) and finally became DJ2CB. On my return to EI I again exchanged that and became EI8IU...never to look back!

AJ8B: Do you have a favorite band or mode?

EI8IU: No real favorite band, I work them all, enjoy CW, RTTY, SSTV, FT8.. I like to try all the modes but recently have spent too much time on FT8, my CW is beginning to suffer.

AJ8B: What time of day and days do you like to operate?

EI8IU: Usually try to get a bit of airtime each evening as I work around the west and northwest of EI I can never be sure when I will get home, also weekends are the best but of course there are lots of things to do around the house and family also need a bit of time hi.

AJ8B: Any secrets to your success?

EI8IU: I would not class myself as being overly successful, patience helps....

AJ8B: Any tips that you can share?

EI8IU: No tips I'm afraid but to use a cliché...you get out of to what you put into it, DXCC won't happen unless you put lots of effort into it!

AJ8B: Describe what you are currently using:

EI8IU: Equipment at the moment is an Icom IC 7610, SPE 1KFA 1KW solid state linear amplifier (top band and 80 not working on it at the moment), Hex beam for HF and Fan Dipole for top band and 80. Icom IC910 and Diamond X510 for VHF/UHF.

AJ8B: What advice do you have for those of us trying to break pileups to work DX?

EI8IU: Any of the rare ones that have been active over the last 6 or seven years I have worked using the linear and hex beam, two great purchases. However, like so many others I've spent hours trying to get them, so again ..patience and CW!!!



AJ8B: You are a veteran of many DXPeditions. Is there one that really stands out and why?

EI8IU: I am a member of the EI DX Group but have not been on any of the DXPeditions, I always managed to find an excuse not to go. I am not expecting that to change...

AJ8B: We have several hams with 160M DXCC and several (like me) who are actively pursuing it. Any hints or secrets to Top Band?

EI8IU: I spent a lot of time trying to get my DXCC on top band which I finally got last year, what I done was got up during the night for all the big contests and simply pick and work the ones I needed, FT8 also helped a bit.

AJ8B: Do you contest and if so, what is your favorite contest?

EI8IU: I do contest although I would not call myself a Contester, I do a lot of the local EI contests and enjoy the IOTA and CQWW contests, have done several SSB and RTTY CQWWs, I find the CQWW CW tough going and really don't the time to motivate myself to do it.

AJ8B: Any QSLing hints?

EI8IU: I love QSLing, LOTW is great for DXCC. I am the EI QSL manager for the 8s as I still love to receive paper QSLs. Have also spent a fortune QSLing direct (quite a few for top band) most of which were successful. I use EQSL also.

AJ8B: What coaching/advice would you give new amateurs?

EI8IU: We have several new amateurs in our club, most of which I knew before they were licensed, start of simply, and DON'T be afraid to ask a question no matter what it is, and enjoy the hobby, because that is what it is...a hobby, not worth getting stressed if you can't work a station, you'll get him in the future etc.

AJ8B: What is it like in your part of Ireland? Your QRZ.com page really paints a beautiful picture.

EI8IU: I live in Leitrim, a small rural county in the Northwest of Ireland, on top of a hill but surrounded by higher hills so VHF is interesting. Nearest neighbor is about 100 meters away, can't see his house from mine. We might see maybe 10 or so vehicles pass by on a busy day! Great views to the south but also very windy as we have no shelter up here. Although there is lots of forestry around, I have no trees that I can use for antennas, I should have planted a few when we built the house! I grew up here and love it, even though the weather is not wonderful, broadband not good either I will never move again!

AJ8B: What licensing levels do you have in Ireland?

EI8IU: We have really one level as such, you get a three-letter suffix ending in B if you don't do the CW test but have the same privileges as someone who does the CW exam. If you do the CW exam you get a two-letter suffix.

AJ8B: If I were to stop by for a visit, what site(s) would you want us to visit?

EI8IU: If you stopped by what should you see....there are so many things to see within a two-hour drive (this would bring you to most places except Cork in the south) I would recommend staying for at least a couple of weeks. First thing would be to drive The Wild Atlantic Way. Look it up.

AJ8B: What local food would you want me to try?

EI8IU: There are some specialties in most parts of EI, here it would be Boxy which is made from grated potatoes and flour and a bit of magic. Also, poitin which is like moonshine. Great stuff if you can find it.

I had the great pleasure over last weekend in (along with some of our club members) in assisting with an ARISS school contact with the International Space Station. The eight-minute contact took place between ten pupils from a school in the midlands (Athlone, which is an hour from me) at 14:45 on Monday last and was streamed live on YouTube. It got great publicity here and made the main evening news. It done more for the hobby than anything over the last number of years. They were talking to the astronaut Shannon Walker. It was a great success. Unfortunately, I don't have any photos but I am on the YouTube video sitting on the left side of

the control desk. Due to the Covid restrictions it was a bit muted on the day as only a limited number of people could attend but the publicity was really phenomenal.

<https://www.irishtimes.com/news/science/space/irish-students-hook-up-with-international-space-station-1.4430193>

<https://www.youtube.com/watch?v=x7ZmWjQWq3U> (or google Athlone school ISS YouTube)

https://www.youtube.com/channel/UCLbS7YwrXtc9QJeDU8UU_Fw/about

The first clip is from the news, the second is what was streamed live Bill.

That's it Bill, I hope it makes enjoyable reading. You take care and have a peaceful Christmas.

Very best 73 de EI8IU Brian.

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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:

FO/M - Marquesas Islands - After 23 years in Huahine, Polynesia FO5QS, Patrick, has moved to FO/M, the Marquesas Islands. His new QTH is Hiva-Oa. He apparently is there now with his ham gear and hopes to be on the air before the end of the month, 160M-70cm, all modes, and 6M EME too. Over the years he has also had callsigns FO8DT, FR7CE and F6ESW.

A6 - United Arab Emirates (UAE) - The UAE will host next year's World Radiocommunication Conference, aka "WRC-23." It will be in Dubai, the Gulf nation's commercial hub (Abu Dhabi being the government and energy hub). The ITU meeting will be November 20 to December 15 at the Dubai World Trade Centre. These conferences are held every four years. The one in 1979, of course, gave us the 30, 17 and 12M bands.

2022 W4DXCC - The W4DXCC Convention is September 23-24 in Pigeon Forge, Tennessee, USA. Convention Leader K4SV says it's time to make your hotel reservations at the LeConte Hotel (formerly the Mainstay). Call 865- 428-8350 and tell them you are with "W4DXCC by SEDCO" to get the special room rate. "You cannot make reservations online."

Some were told the hotel is full for that weekend but that was incorrect, and the problem is apparently resolved. "Please call again if you were turned away."

You may also reserve your conference and banquet tickets. Friday is the "Ham Radio Bootcamp" and Saturday the main convention with "numerous well-known presenters, giving you the inside scoop on what is going on in amateur radio," with Q&A following each.

Equipment manufacturers will be set up with their booths in the lobby. There will be a "fully operational hamshack set up" for attendees to use.

The convention website is w4dxcc.com.

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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. I also have a comprehensive list that can be imported to your calendar at

www.aj8b.com/files

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!

Aug. 3	VHF-UHF FT8 Activity Contest	www.ft8activity.eu/index.php/en
Aug. 6	European HF Championship	https://euhf.s5cc.eu/euhfc_rules
Aug. 6-7	10-10 Int'l Summer Contest SSB	http://bit.ly/1FrFeBc
Aug. 6-7	ARRL 222 MHz and Up Distance Contest	http://bit.ly/2IJZcy9
Aug. 6-7	Batavia FT8 Contest	https://batavia-ft8.com/
Aug. 6-7	North American CW QSO Party	http://ncjweb.com/NAQP-Rules.pdf
Aug. 7	SARL HF Phone Contest	http://bit.ly/H0IqQf
Aug. 10	VHF-UHF FT8 Activity Contest	www.ft8activity.eu/index.php/en
Aug. 13	Kentucky State Parks on the Air	https://k4msu.com/kypota
Aug. 13	SARL Youth Sprint	http://bit.ly/H0IqQf
Aug. 13-14	Maryland-DC QSO Party	www.w3vpr.org/node/325
Aug. 13-14	50MHz Fall Sprint	https://svhfs.org/2022VHFSprintRules.pdf
Aug. 13-14	Worked All Europe CW Contest	https://bit.ly/36ubggF
Aug. 14	NJQRP Skeeter Hunt	http://w2lj.blogspot.com/p/njqrp-skeeter-hunt.html
Aug. 14	SARL HF Digital Contest	http://bit.ly/H0IqQf
Aug. 17	VHF-UHF FT8 Activity Contest	www.ft8activity.eu/index.php/en

Aug. 20-21	ARRL 10 GHz and Up Contest	www.arrl.org/10-ghz-up
Aug. 20-21	CVA DX Contest CW	http://cvadx.org/regulamento.pdf
Aug. 20-21	International Lighthouse Lightship Weekend - ILLW	https://illw.net
Aug. 20-21	SARTG RTTY Contest	www.sartg.com/index.html
Aug. 20-21	North American SSB QSO Party	http://ncjweb.com/NAQP-Rules.pdf
Aug. 21	ARRL Rookie Roundup RTTY	www.arrl.org/rookie-roundup
Aug. 27-28	ALARA Contest	www.alara.org.au/contests
Aug. 27-28	CVA DX Contest SSB	http://cvadx.org/regulamento.pdf
Aug. 27-28	Kansas QSO Party	www.ksqsoparty.org
Aug. 27-28	Ohio QSO Party	www.ohqp.org/index.php/rules
Aug. 27-28	YO DX HF Contest	www.yodx.ro/en
Aug. 27-28	World Wide Digi DX Contest	https://ww-digi.com
Aug. 27-28	W/VE Island QSO Party	https://usislands.org/qso-party-rules
Aug. 27-29	Hawaii QSO Party	http://hawaiiqsoparty.org
Aug. 28	SARL HF CW Contest	http://bit.ly/H0lqQf
Sept. 24-25	CQWW RTTY DX Contest	www.cqwwrtty.com

ARLD030 DX news

This week's bulletin was made possible with information provided by IK1TTD, SV2CLJ, TA3J, 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.

SPRATLY ISLANDS. Operators 4F2KWT, 4F1OZ, DU1VGX, DU1XX and DU3JA will be QRV as DX0NE from Kalayaan beginning sometime after August 1 and be here for one month. Activity will be on 160 to 6 meters using CW, SSB, and FT8. QSL via IZ8CCW.

TIMOR-LESTE, 4W. Alan, VK1AO is QRV as 4W/VK1AO from Dili until August 4, and for at least two more times over the next three years. Activity is on 40, 30, 20, 17, 15, and 12 meters using SSB, FT8, JS8, and possibly some CW. This may include some POTA activity as well on Artauro Island, IOTA OC-232. QSL to home call.

MADAGASCAR, 5R. Elvira, IV3FSG will be QRV as 5R8LH from August 1 to September 9. Activity will be on the HF bands using SSB and various digital modes. QSL to home call.

MOROCCO, CN. Radio amateurs in Morocco may use the prefix CN23 until August 7 to commemorate the 23rd anniversary of the present King's accession to the throne.

CORSICA, TK. Frans, DJ0TP is QRV as TK/DJ0TP until September 3. QSL to home call.

MACQUARIE ISLAND, VK0. Matt, VK0MQ is usually active in his spare time on most weekends between 0000 and 0700z on 80 to 10 meters using FT8 in DXpedition mode. He is here until October 1. QSL via M0OXO.

Please see July 2022 QST, page 78, August 2022 QST, page 70, and the ARRL and WA7BNM Contest web sites for details.

(Editor's Note: I pulled out all of the IOTA activation listings because they would be mostly QRT by the time you got this!)

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?? 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

<p>08/06/2022 - Columbus Hamfest Location: Grove City, OH Sponsor: Aladdin Shrine Audio Unit Website: http://columbushamfest.com Learn More</p>	<p>08/13/2022 - Cincinnati Hamfest Location: Owensville, OH Sponsor: Milford ARC Website: https://CincinnatiHamfest.org Learn More</p>
<p>08/21/2022 - Warren ARA Tailgate Swap Meet Location: Cortland, OH Sponsor: Warren ARA Website: http://facebook.com/w8vtd Learn More</p>	<p>09/10/2022 - Ashtabula County Hamfest Location: Pierpont, OH Sponsor: Amigos Radio Club Ashtabula and Ashtabula County Amateur Radio Club Learn More</p>
<p>09/11/2022 - Findlay Hamfest Location: Findlay, OH Sponsor: Findlay Radio Club Website: https://www.findlayradioclub.org/ Learn More</p>	<p>09/17/2022 - Mound Amateur Radio Assoc. Swap Meet Location: Miamisburg, OH Sponsor: MARA Website: http://W8DYY.ORG Learn More</p>
<p>09/25/2022 - Cleveland Hamfest Location: Berea, OH Sponsor: Hamfest Association of Cleveland Website: http://www.hac.org Learn More</p>	<p>10/30/2022 - Massillon Hamfest (OH) Location: Green, OH Sponsor: Massillon Amateur Radio Club Website: http://w8np.org Learn More</p>
<p>2/03/2022 - FCARC WinterFest Location: Archbold, OH Sponsor: Fulton County Amateur Radio Club Website: https://k8bxq.org/hamfest Learn More</p>	

OHIO'S



The Ohio Hamfest Season gets underway with the upcoming Columbus Hamfest on August 6. Following that date it appears there is a hamfest type event almost every weekend either within Ohio or within a reasonable travel distance. During my 60 plus years on the air, I've probably been to several hundred hamfests East of the Mississippi. Some have been large and others have been small. But attendance at each has been worthwhile. First, your attendance supports the local club sponsoring it. Second, you just might find that part, rig or other treasure you have been looking for. Third, you will probably learn something-whether it's about a new mode, some rule change, or something strictly irrelevant to ham radio. Fourth and possibly most important, you will meet people who you chat with periodically or perhaps for the first time. Except for the past couple of years I've never been able to understand why some hams refuse to attend a hamfest. If you have never been to a hamfest, call up a buddy and make plans to attend one of the many upcoming shows. Try it. You might like it.

On Saturday, August 6 the Aladdin Shrine Center in Grove City will host the annual **Aladdin Shrine Audio Unit-W8FEZ** Columbus Hamfest. The Hamfest is conveniently located south of Columbus at the I-71 and Stringtown Road intersection at 1801 Gateway Circle. It's kind of behind the Tee Jays Restaurant. The doors open at 8 am with a 1 pm closing. The admission is \$5 at the gate with indoor and outdoor flea market tables and spaces available for \$10 each. There are no advanced ticket, table or space sales. A food truck will be on premises. Check out <http://www.columbushamfest.com/> for more information.



Cincinnati HamfestSM

On Saturday, August 13 hundreds of hams from throughout the Tri-State area will gather at the Clermont County Fairgrounds in Owensville for the annual **Milford ARC Cincinnati Hamfest**. The location is very easy to get to as the fairground is just a block off US50 at 1000 Locust Street in Owensville. Tickets are available on-line at www.CincinnatiHamfest.org. This year MARC is raffling a Yaesu FTDX10. You do not have to be present to win. There will be license testing available.

Another well attended hamfest will also be on August 13 when the **Tri-State ARA** holds their 59th annual hamfest at the New Baptist Church, 610 28th Street in Huntington, WV. It starts at 8:30 am and will run until 1:30. You can get further information at <https://www.qsl.net/w8va/> or contacting Fred Herr, WD8AGH, at 304-736-2057. Admission is \$6 and flea market spaces are \$10 each which includes an admission ticket. (ed note: More years ago than I like to admit this was the first out of Ohio hamfest I ever attended. At that time it was held at an amusement park in Huntington.)

Portsmouth RC President Russ Jett, tells us the popular **Portsmouth RC's** Hamfest will return this year. However the event will not be held at the "same old place" as in past years. The October 15 event is being moved to the New Boston Community Center at 3980 Rhoads Avenue in New Boston. Jennifer Bailey, N8JEN, says that with luck flyers with more information will be available at the Columbus Hamfest.

If you don't object to a road trip and fuel prices, a couple other noteworthy and easy to get to hamfests are in Findlay, Ohio and Huntsville, Alabama. The Huntsville show correctly advertises itself as the Nation's Friendliest Hamfest. It is an all inside event at the convention center in downtown Huntsville. Although not as big as either Hamvention or Hamcation, it is one of the "big three" in the Eastern US with many commercial exhibitors and 300 to 400 flea market tables. The annual **Findlay RC** End of Summer Hamfest is definitely closer than Huntsville and worthy of a trip. It normally draws over a thousand attendees to the Hancock County Fairgrounds. This year it will be on Sunday, September 11. For additional information check out hamfest@findlayradioclub.org.

As mentioned in last week's South 40, we learned the **Grant RC** has decided not to hold the annual Georgetown Hamfest this year as a COVID uptick, an older membership and lack of volunteers plus some other factors were working against trying to hold one this year. For many years the hamfest was a much looked forward to event and at its peak its 100 plus tables of vendors drew people from not only the Southern Ohio/Northern Kentucky area, but from West Virginia, Indiana and as far as Virginia and Pennsylvania. It was as much a social event as it was a ham gathering and it not being held this year comes as a blow to the Southern Ohio amateur radio community.

Last week we noted the **Clinton County ARA** was notified that the structure used to house their 147.12 and 443.375 repeaters was to start a sandblasting and repainting process. The contractors required the machines to be removed from the site thus silencing those two frequencies until the project is completed. However the CCARA being the creative club they are decided to swap out their D-Star 145.16 repeater for the Fusion 147.12 machine. This temporary arrangement uses a 123 tone to access. Although the footprint is not as large, the temporary location still provides good coverage.

In other news the **Cambridge ARC** has been asked to have a display at the upcoming August 12-14 Salt Fork Arts and Crafts Festival in the Cambridge City Park. The display will be in the Heritage tent and showcase the 109 year history of the CARA.

There will be a test session during the upcoming Cincinnati Hamfest on August 13. According to the **Milford ARC** President Ron Brooks, AC8MA, and **Highland ARA** VE Coordinator Tom Mongold, Jr., KD8LDS, the Hillsboro based club has been asked to conduct the test session. Pre-registration is requested, although walk-ins will not be turned away if space permits. Check the hamfest web site to see how to register.

The **Athens County ARA** will again provide communications support for the annual Southeast Ohio Trail Runner's Run Baileys trail run on August 13-14 at Chauncey. If you have an interest helping the Club with communications, please contact Jeff Slattery, N8SUZ.

Don't forget the upcoming Ohio QSO Party scheduled for August 27-28. It begins at 1600 on the 27th and concludes at 0400 on the 28th. It's a short contest and rather laid back with the exchange between stations being a signal report and your county. Since several Southern Ohio counties do not have a large number of hams, if you want to work a lot of stations this could be your chance being the chased instead of the chasee.

Bob Mathews, K8TQK, reminds hams in the Bainbridge area of the monthly breakfast gathering at the Dutch Restaurant on SR 41 near JR's Country Store. The next gathering will be on Saturday morning, August 13. It gets started at 8 am and Bob promises to have it over so those attending can get on to other events of the morning.

Several Southern Ohio clubs and individual operators are preparing for the upcoming Ohio State Parks on the Air operating event. **DeForest ARA** President Kim Paquette, N8YWX says the club will activate Adams Lake. **Highland ARA** President Pat Hagen, N8BAP, says they will have stations at Paint Creek, Rocky Fork and Lake Hope. The **Portsmouth RC** expects to be at Shawnee and the **Scioto Valley ARC** at Scioto Trails. Look for the **Sunday Creek ARF** to activate Burr Oak while the **Athens County ARA** is at Strouds Run. The **Cambridge ARA** is looking at a couple options while Ralph Matheny, K8RYU, will hit several parks as a rover. There are several other Southern Ohio parks that have no planned activation to date. Take a look at the www.ospota.org web site and see how you can join in on all the fun. All will take place on September 10.

Although the OSPOTA observes its 15th anniversary this year, our friends in Kentucky are observing only their 3rd Kentucky State Parks On The Air event on August 13. The KypOTA contest begins at 1400 UTC and runs until 2200. Besides Kentucky State Parks, you can also contact stations transmitting from within one of Kentucky's National Parks for a multiplier. Brent Wells, N4BDW, will represent the **Greater Mason County ARA** by activating the Blue Licks State Park in nearby Fleming County. Since Fleming County is rather rare, Brent should also find himself sought by those chasing counties. More information and the event rules can be found at www.k4msu.com/kypota.

Many amateurs in Athens County and throughout Southern Ohio knew the late Dr. Joseph Berman, W9AON, of Ohio University fame. Jeff Slattery, N8SUZ, lets us know there will be a memorial service for Dr. Berman on August 27 outside of 35 Park Place in Athens. The memorial begins at 8 am to be followed by a reception with a light breakfast. Those interested in attending are asked to register with the Honors College prior to August 8 at 740-593-2723.

Two Ross County stations were “welcomed aboard” the International Space Station this past week. For more than a year Doug Broyles, KE8ORQ, has worked stations through the ISS repeater but has had no luck trying to work one of the astronauts. That all changed this past Friday when he heard the magic words “Welcome aboard the International Space Station”. Doug says that has to be the highlight of his ham career to date. Then on Monday afternoon, fellow Bainbridge amateur Sam Johnson, W8SKJ, tried his hand at a contact during a pass and was greeted by those same words. Congratulations to each.



Two Southern Ohio clubs are planning to activate their own special event stations on the first Saturday in October. The **Southern Ohio ARA** plans to operate a station looking over Ohio, West Virginia and Kentucky from Ohio's Southern-most point near the Lawrence County Village of South Point. Up in Highland County the **Highland ARA** has announced a plan to operate from the Gist Settlement near New Vienna. The **Portsmouth RC** has appointed a committee to explore the possibility of doing a special event station yet this year with a goal to recognize some aspect of Scioto County history.

Every astronaut on the International Space Station is required to have a ham radio license. Although most obtain a Technician license, Dr. Kjell Lindgren, KO5MOS, is the holder of a General. It was Dr. Lindgren who welcomed **Highland ARA** club station K8HO on board with those much looked to words “welcome aboard the International Space Station” on Friday. According to Sam Johnson, W8SKJ, Doug Broyles, KE8ORQ, was the K8HO control operator who made the successful contact. A recording of the contact may be found on HARA's Facebook page. It's neat to listen to.

Is anyone out there looking for a repeater? Nate Schneider, WD8MOI, says a friend became a Silent Key and his family is looking for a new home for the repeater he maintained. Nate states he believes the machine was used for DMR on a UHF frequency in the Dayton/Warren County area. Should you have an interest, you can contact Nate to be put in touch with the person handling radio equipment in the estate. 513-478-2080

Thanks to the overnight efforts of Scioto County EMA Director Larry Mullins-KB8WHD and Maggie, Portsmouth radio station WNXT-FM is operating with a new transmitter. The station operates on 99.3 and serves the Portsmouth, Huntington and Ashland areas. It features an adult contemporary music format and is a sister station to WNXT-AM on 1260.



We have been saddened this week to learn of the record flooding and loss of life in Eastern Kentucky. Our Kentucky correspondent Brent Wells, N4BDW, says Fleming and Mason Counties have mostly escaped the devastation and heavy flooding being experienced a short drive away. He states KY4EOC is presently active monitoring the designated ARES frequencies. Frequencies monitored are 7.228, 3.972.5, 146.55 and 147.105 (107.2 tone). It is the intention to remain on standby as long as needed.

One Cincinnati television station reported that although cell coverage is normally spotty in that part of the State, it is more so now as some sites have been severely damaged or destroyed.

Here's a notice to South 40 column contributors. Due to upcoming vacation travel to the Huntsville Hamfest and beyond, I anticipate the South 40 column missing from some upcoming Postscripts. Therefore please notify me of any planned activities you wish to promote through the column ASAP.

That's it for another week. This Tuesday is an Election Day in Ohio. Although it's not really an all exciting one and there is not expected to be a big voter turnout, it is still important for each registered voter to cast their ballots. In these trying times for America, please exercise your right to vote and cast a researched vote for the best candidate who will represent your thoughts and concerns. In the meantime, stay cool, healthy, safe and radio-active.

John Levo, W8KIW, jlevo@cinci.rr.com, 937-393-4951

3rd Annual Kentucky State Parks On The Air – Amateur Radio Contest

Be sure to mark your calendar for the 2022 Kentucky Parks On The Air (KyPOTA) contest – **August 13, 2022 Time:** 1400 UTC to 2200 UTC (9 am - 5 pm CDT). The KyPOTA contest was conceived with three main goals in mind:

- To promote public awareness of amateur radio;
- To promote the recognition that Kentucky Parks have a very diverse and wonderful ecology;
- To promote camaraderie within the ranks of Kentucky's Amateur Radio Operators

We agree it is a lot of fun to get out in a natural setting with our radios and see how well we can do at working operators in the beautiful Kentucky Parks.

This will be the 3rd annual KyPOTA – Make plans now to be active in KyPOTA 2022.

Don't forget – we have a KyPOTA E-mail Group located at KyPOTA@murray-ky.net

Since we do allow spotting to encourage more contacts during KyPOTA, Facebook is being used before and during the contest for instant updates and to share stories and photos.

Notes: Some Kentucky Parks are being managed by local park systems, but they are still listed and considered to be Kentucky Parks. Please be considerate of others using the parks.

Questions? Email: KyPOTA@murray-ky.net. When the KyPOTA contest is over, send Logs to KyPOTA@murray-ky.net by August 27, 2022 or 14 days following the event. Contest rules can be found at: WWW.k4msu.com/kypota.

So – pick a park and make your plans now for KyPOTA 2022 !! Take care & 73 from the entire KyPOTA contest committee and the contest sponsor: Murray State University Amateur Radio Club, Box 2580 University Station, Murray, Ky 42071.

Fifteenth Annual Ohio State Parks On The Air – Amateur Radio Contest

Make sure to mark your calendar for the 2022 Ohio State Parks On The Air (OSPOTA) contest – September 10, 2022. The contest is always held on the first Saturday following the Labor Day holiday. Each year this event has grown and we anticipate another year of growth with even more participating Amateur Radio Operators.

Let me remind you that the OSPOTA contest was conceived with three main goals in mind:

- To promote public awareness of amateur radio and Ohio's beautiful state parks system;
- To contribute to the recognition that Ohio has a very diverse and wonderful ecology;
- To promote camaraderie within the ranks of Ohio's Amateur Radio Operators

Your participation has allowed these goals to be achieved. We agree it is a lot of fun to get out in a natural setting with your radio and see how well you can do at working operators in the beautiful Ohio State Parks.

This will be the 15th annual OSPOTA – Make plans now to be active in OSPOTA 2022.

Don't forget – we have an OSPOTA E-mail Group located at: <https://groups.io/g/OSPOTA>

The [OSPOTA IO Group page](#) is used for messaging and sharing of information about OSPOTA for all the fans and participants in the OSPOTA contest. The [E-mail Group](#) is where the action is.

Since we do allow spotting to encourage more contacts during OSPOTA, Facebook is being used before and during the contest for instant updates and to share stories and photos.

As the contest draws near, we'll be posting on the OSPOTA E-mail Group page the anticipated 'who's going to be at what Ohio State Park' or 'Planned Park' list as we have in past years. Send your planned park activation information to PlannedParks@ospota.org. Please, include the call sign that will be used and the Ohio State Park you plan to be at. If your plans change, just let us know and we'll update the list. Remember, more than one person or group can be at an Ohio State Park – there are no reserved State Parks.

Notes: Some Ohio State Parks are being managed by local park systems, but they are still listed and considered to be Ohio State Parks according to ODNR (Quail Hollow & Tinkers Creek).

So – pick a park and make your plans now for OSPOTA 2022 !!!!! Take care & 73 from the entire OSPOTA contest Committee, KB8UUZ, WG8X, W8PT, W8KNO, KB8UHN

Tom, KB8UUZ OSPOTA Chairman OSPOTA

Questions? Email: INFO@ospota.org

When the OSPOTA contest is over, send Logs and Summary Sheets to: Logs@ospota.org

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](#)

One Question Questionnaire

Hey Gang,

Last weeks question “**DO YOU LIVE IN AN AREA WITH AN HOA RESTRICTION ON ANTENNAS?**”

Survey Says: 10 (15.63%) yes, 54 (84.38%) no. The new question is:

WILL YOU BE PARTICIPATING IN OH STATE PARKS ON THE AIR (OSPOTA) THIS YEAR EITHER FROM A PARK OR AS A HOME STATION? YES OR NO?



You'll find the "One Question" questionnaire on the Ohio Section Website! <http://arrloho.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.

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>



Final... Final

Last month's Ohio Section Journal had just two lines in this section. But I've got a whole lot more to talk about this month. I know we're at the end of a long newsletter, but I hope you'll take the time to read through this. First off a couple of "Thank You's" that are well deserved:

First off – John Ross – KD8IDJ who has been our Section PIO for the past few years. John has done an excellent job for us, especially with the Section Newsletter Contest, but has retired from this position to move up to a position with the ARRL. You'll be hearing a lot more from John in that capacity and we certainly wish him well in that new position.

Next I would like to thank all of the Section Cabinet members – Technical Coordinator Jeff Kopcak, K8JTK – Section Emergency Coordinator Stan Broadway, N8BHL – Section Traffic Manager David Maynard, WA3EZN – Section Youth Coordinator Anthony Luscre, K8ZT – and State Government Liaison Bob Winston, W2THU. Although not listed as an official "Cabinet" member, I also want to include Jim Yoder, W8ERW – OH ARES Data Manager. These guys do a lot of good work on behalf of the members of the Ohio Section, and Amateur Radio in general.

Starting Monday (August 1) I'll be looking for a replacement for John in the position of PIO, and I'm also going to be looking for someone to fill the position of ACC as well as some regional ASM's. If you're interested in working for the Ohio Section – please let me know!

Now, I also want to thank Scott – N8SY – former Section Manager and current Vice Director of the ARRL Great Lakes Division. Scott continues to do A LOT for the benefit of the OHIO Section! I couldn't begin to list here everything Scott still touches on a regular basis, but he has been an enormous help to me since I have been the OH SM.

Finally, I want to thank John Levo – W8KIW and Bill Salyers – AJ8B for their weekly columns in PostScript and Ohio Section Journal. John’s “Ohio South 40” column keeps the Amateur Radio activities in the SE quadrant of the state well represented to the rest of us. There’s a lot of good things going on there and they are an important part of the OH Section. Bill’s “DX this Week” is a look into the world of DX and a lot of the individuals you may come across on the air. Bill’s column in this newsletter is his 200th consecutive contribution!

What I’ve just mentioned above is the example of what I often talk about – Amateur Radio gives you an opportunity to meet some of the nicest people you’ll find anywhere! In over 50 years as a Ham, I have never gone anywhere where being recognized as a ham by other hams, I was not made to feel like I was a welcome part of the local community. You are ALL a part of what makes this the Greatest Hobby in the World!

And I thank you all for that.

73, de
Tom WB8LCD OH Section Manager
WB8LCD@ARRL.ORG
330-554-4650

“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

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>



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

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 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!!”



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!

[TOP^](#)