PostScript

Ohio Section

"January 10th 2022 Happy New Year Edition"

Hamvention 2022
Sponsored by the Dayton Amateur Radio Association
May 20-22, 2022
Greene County Fairgrounds & Expo Center

Get Hamvention Alerts – text: Hamvention to 888777   Hamvention 2022 May 20 – 22

CQ CQ CQ de WB8LCD

Here we are. I hope your first few days of 2022 have been FANTASTIC and are an indicator as to how good 2022 is going to be for all of us!

Even with the conditions of 2021, I feel like my first year as OHIO Section Manager has been about as good as it could have been. I've been blessed to have met a whole bunch of really good people. I've made a lot of new friends. And I'm pretty sure I've probably aggravated a few people as well. I don't claim perfection, but I will always do my best for my fellow hams of the Ohio Section. I try not to burn bridges either. If you're one of the ones I've "aggravated" (feel free to substitute your own descriptive term), let's see if we can't get back on track in the coming year. I'm looking forward to a year of Ham Radio Fun, and in the process growing our ranks in the Ohio Section. As we do that, I hope that more of the general population of Ohio will recognize us, know what we do, and appreciate not only our love for our hobby, but our commitment to serving our communities.

I'm not a "one man" band. You have a lot of folks in the Ohio Section that work their butts off for you! I'll only name one by name, and that's my predecessor – Scott N8SY. Believe me when I tell you that Scott is still doing a lot on behalf of the Ohio Section. And that's in addition to what he is now doing at the National level for the ARRL. Ultimately, that is all done for *you*! Thank you, Scott. The Ohio Section Cabinet is also comprised of folks who have made it their personal responsibility to work on your behalf. They put a lot of time and effort into moving the hobby forward, especially here in the Ohio Section. They all deserve our thanks! Between PostScript and the Ohio Section Journal, a lot of content goes out to you on a weekly basis. That content comes from a lot of different sources, including many "regular" contributors. Thank you. I'm always open to articles, stories, photos, and other contributions* (Ham Radio related) of interest to the hams of the Ohio Section. Please, send them to me and I'll do my best to get them included.

I hope you noticed the photo on the opening page for the 2022 Hamvention. I know the plan is for a "go" this year, and I certainly hope it goes off as planned. As one of (if not THE) largest Ham Radio gatherings in the world, this is an institution of the hobby that deserves our support. Starting out as a local HamFest in 1952, it has grown through the years to what it is today. In my 53 years as a Ham, I know I've been there for somewhere around 40 times, probably more. It's OUTSTANDING! I have never been disappointed. Even if you only make it a "day trip", *you* need to be there. If you look around, you will find events such as the QRP groups Four Days In May (FDIM) that make it even bigger! You will not be disappointed. You will be amazed at all the stuff in the flea market. You will have a chance to participate in some seminars and learning activities live and in person that you might not otherwise ever get to. You will get a chance to meet and talk to some of the most serious Hams on the planet. You will get a chance to see all the equipment you have ever been interested in. Let me just say, if you don't make it to Hamvention, you are doing yourself a disservice. Really. It's that good.

Sunday, January 16, my plans (+/- snow and covid) are to be in Shade, OH for the Sunday Creek Ham Radio Federation's Hamfest. I plan to come down to Athens early Saturday evening to spend the night, so I don't have to get up too early on Sunday morning! Come on out and say HI!

A couple weeks ago, on the PCARS net, I listened for awhile before I made my check-in. We usually take Echo-Link check-ins first, followed by club officers and their announcements, and then general check-ins. The Echo-Link portion makes for a very interesting net. A regular check-in lately has been Gabe – BV5DJ from Taiwan. He's having breakfast while we're all finishing up our day! Another regular EL check-in is PCARS member Gary – WB2RPW from Eatontown, NJ. Gary had mentioned that he was baking some chocolate chip

cookies that evening. When it came around for my comments, I pointed out that I too enjoy chocolate chip cookies. (it's true!) A week later, a box showed up at my house via UPS. It was from Eatontown, NJ. Chocolate chip cookies! I've said it before, and I will say it again and again – Ham Radio people are the best people in the world!

I've been doing some work in my basement, which includes going through bunches of stuff containing lots of family artifacts and history. I found this long-lost jewel – my original Novice license!

Shown here along with my first QSL card! As a soon to be 15-year-old kid, it was one of the hi-lites of my life so far. My neighbor, Mr. Hillman – W8FZS was my inspiration to become a ham. (Mr. Hillman was my neighbor in Fairview Park – near Cleveland, my family moved to Aurora in the fall of 1966). I always referred and spoke to him as "Mr. Hillman" as we were taught to respect people who were older than us kids. But, within a week after receiving my license my dad took me back to the old neighborhood so I could show Mr. Hillman my license. As he looked at it, I started to say something to him with "Mr. Hillman…" – but he interrupted me and told me, that from now on, whenever we were together in the context of Ham Radio I should call him "Stan, because you are one of us now".   As a ham, I had joined an exclusive group of people and certain privilege came with that. I was now one of them.

My wish for all of us this new year is that we experience the kinship to one-another that only being in THIS fraternity can bring. We have something very special in common – the *Magic* of radio!

73,
Tom Sly – WB8LCD
ARRL OHIO Section Manager
330-554-4650

National News
(from ARRL and other sources)

ARLB001 W1AW 2022 Winter Operating Schedule

Morning Schedule:

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Time              Mode    Days
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1400 UTC (9 AM EST)   CWs     Wed, Fri
1400 UTC (9 AM EST)   CWf     Tue, Thu
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Daily Visitor Operating Hours:

1500 UTC to 2045 UTC - (10 AM to 3:45 PM EST)

Afternoon/Evening Schedule:

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2100 UTC (4 PM EST)    CWf      Mon, Wed, Fri
2100 "    "        CWs     Tue, Thu
2200 "  (5 PM EST)   CWb     Daily
2300 "  (6 PM EST)   DIGITAL  Daily
0000 "  (7 PM EST)   CWs     Mon, Wed, Fri
0000 "    "        CWf     Tue, Thu
0100 "  (8 PM EST)   CWb     Daily
0200 "  (9 PM EST)   DIGITAL  Daily
0245 "  (9:45 PM EST) VOICE    Daily
0300 "  (10 PM EST)   CWf      Mon, Wed, Fri
0300 "    "        CWs     Tue, Thu
0400 "  (11 PM EST)   CWb      Daily
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              Frequencies (MHz)
              -----------------
CW: 1.8025 3.5815 7.0475 14.0475 18.0975 21.0675 28.0675 50.350 147.555
DIGITAL: - 3.5975 7.095 14.095 18.1025 21.095 28.095 50.350 147.555
VOICE: 1.855 3.990 7.290 14.290 18.160 21.390 28.590 50.350 147.555
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Notes:

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

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

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

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

practice and at the beginning of alternate speeds.

On Tuesdays and Fridays at 2330 UTC (6:30 PM EST), Keplerian Elements for active amateur satellites are sent on the regular digital frequencies.

A DX bulletin replaces or is added to the regular bulletins between 0100 UTC (8 PM EST) Thursdays and 0100 UTC (8 PM EST) Fridays.

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

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

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

All licensed amateurs may operate the station from 1500 UTC to 2045 UTC (10 AM to 3:45 PM EST). Be sure to bring a reference copy of your current FCC amateur radio license.

The weekly W1AW and monthly West Coast Qualifying Runs are sent on the normal CW frequencies used for both code practice and bulletin transmissions. West Coast Qualifying Run stations may also use 3590 kHz.

The W1AW Operating Schedule may also be found on page 86 in the January 2022 issue of QST or on the web at, http://www.arrl.org/w1aw-operating-schedule .

DISASTER ZONE
Disaster Zone Podcast: Amateur Radio Systems

Our last line of communication when all other systems fail.

January 02, 2022 •

Eric Holdeman

Sometimes I think that amateur radio doesn't get the credit it deserves for what the various systems can provide before, during and after a disaster.

See my latest *Disaster Zone* podcast: "Amateur Radio Systems."

As we start a new year, thank your own volunteers for their efforts in making your jurisdiction more disaster resilient by what they do with their own equipment, time, knowledge and energy.

Here's the description of the podcast:

"Amateur radio is emergency management's last best hope for maintaining communications in a disaster when all other systems fail. This podcast is an interview with two leaders from the Seattle Auxiliary Communications Service (Seattle ACS) Tim helming and Catherine Middleton-Hardie. Seattle ACS supports the Seattle Office of Emergency Management In my experience, they are one of the premier organizations of their type. In the podcast you will learn all about the different types of amateur radio organizations, the equipment, frequencies and wide variety of missions and activities that amateur radio operators support. And, a bit about how Seattle ACS is organized and maintains their operational readiness."

Thanks to Chris Woolverton – N1CJW for submitting the above item.

ARRL The National Association for Amateur Radio® is pleased to announce the hiring of Josh Johnston, KE5MHV, into the role of Director of Emergency Management. Johnston is from Ozone, Arkansas, and comes to ARRL with 16 years of experience as the Director of Johnson County (Arkansas) Department of Emergency Management. He holds an Extra class Amateur Radio license as well as being an **ARES**® Emergency Coordinator, Volunteer Examiner, and ARRL-registered Instructor. Johnston is also certified in FEMA NIMS as well as CISA AUXCOMM Communications Unit Leader (COML). He holds a Bachelor of Science in Emergency Administration and Management from Arkansas Tech University.

"I am happy to welcome Josh to the ARRL staff and to add his talent and knowledge to our team," said ARRL CEO David Minster, NA2AA. "His contribution will help ARRL continue to support our dedicated volunteers of the Amateur Radio Emergency Service, improve opportunities for training, and advance our relationships throughout the EmComm community." With extensive experience in inter-agency cooperation and planning, Johnston is well versed in the different aspects of emergency management and leading both professional and volunteer operators. He has experience in communications planning and execution in the field and at the local and state level. As an Arkansas Master Certified Emergency Manager and past Board Member of Arkansas Emergency Management Association, where he served as president for 2 years, Johnston has experience working with government and agency representatives as well as being boots-on-the-ground in the field.

Johnston will be based at ARRL's headquarters in Newington, Connecticut and will be working with staff and member-volunteers, and coordinating with the ARRL Board's new Emergency Communications and Field Services Committee (EC-FSC)

ARES Resources

· [Download the ARES Manual [PDF]](#)

· [ARES Field Resources Manual [PDF]](#)

· [ARES Standardized Training Plan Task Book [Fillable PDF]](#)

· [ARES Standardized Training Plan Task Book [Word]](#)

· [ARES Plan](#)

· [ARES Group Registration](#)

· [Emergency Communications Training](#)

The Amateur Radio Emergency Service® (ARES) consists of licensed amateurs who have voluntarily registered their qualifications and equipment, with their local ARES leadership, for communications duty in the public service when disaster strikes. Every licensed amateur, regardless of membership in ARRL or any other local or national organization is eligible to apply for membership in ARES. Training may be required or desired to participate fully in ARES. Please inquire at the local level for specific information. Because ARES is an amateur radio program, only licensed radio amateurs are eligible for membership. The possession of emergency-powered equipment is desirable, but is not a requirement for membership.

How to Get Involved in ARES: Fill out the [ARES Registration form](#) and submit it to your local Emergency Coordinator.

Ohio amateur radio emergency report

Yearend report 2021

ARES Around Ohio
Ohio's amateur radio operators continued to train and supply important community service over the year 2021. Using their own radio equipment, these operators continued to educate themselves through NIMS and other sources to present a trained, ready resource to counties and Ohio.
According to [independentsector.org](#), the 2021 hourly value of a volunteer was $28.54.
Ohio ARES (Amateur Radio Emergency Service) members provided 58,202 hours of training, meeting, and service valued at $1.661 Million. In addition, each of our over 955 members provided an average of $300 in radio equipment, saving our communities and the state $286,500.
ARES operators provided 17,000 hours of service for 678 "public service" events (parades, rides, runs, and competition) and they provided 6579 hours of service in 113 emergency events (the majority being weather-related).

ARES members work hard to present a trained resource to our partners. We have over 1,000 active members. 732 have completed the four NIMS courses (100, 200, 700, 800) to be considered "Level 2" operators. 196 have added either 300-400 or the Professional Development Series to qualify for management positions. 74 have completed Auxcomm training, 10 are COML, 2 COMN, and 4 COMT rated. Ohio ARES keeps an extensive training database on all ARES members. Including such credentials as firefighting, EMT/Medic, police and many other credits, we now have over 10,000 certificates on file. We submit this level of training across the state is unrivaled by any other state.

The Ohio Auxcomm Team
The Ohio Auxcomm Team operates station W8SGT at the Ohio EOC. Over 2021, 139 unique Ohio operators contacted the station over 941 times during our 41 weekly readiness HF voice nets. There were numerous contacts from outside Ohio, including PA, SC, TN, VA, WI and WV.   The station is set up for voice, digital and Winlink operation on HF, VHF and UHF frequencies. Our operators are well trained and at the 'top of the list' for net control and emergency skills. Most have experience in the emergency services, all have experience participating in actual emergencies. Some represent our skills elsewhere, such as an annual trip for two of our operators to communicate with the New York Marathon. These operators are dedicated to the program, attending the EOC each Tuesday evening for the weekly readiness nets. Our operators develop and maintain antennas and equipment interfaces as needed.

Ohio Digital Emergency Net
A critical service of amateur radio is transmitting formatted ICS forms. The Ohio Digital Emergency Net (OHDEN) is part of Ohio ARES with the purpose of operating digitally to send these messages. Holding weekly readiness checks over 12 months, 80 unique operators totaled 788 contacts averaging 65 per month. These Came from an average of 18 counties per month.
There are several layers of HF voice nets in Ohio to organize and send messages. These nets are mentioned because they are included as a part of our larger "Simulated Emergency Test" sponsored by the ARRL each October.

Local Emergency Nets
Ohio counties in which there is an active ARES program conduct regular local nets on VHF/UHF frequencies. Many also conduct local digital nets. Ohio county ARES units conducted 4,319 voice nets and 693 digital nets accumulating 27,109 hours. These times are included in the general ARES report above. These local nets carry the specific purpose of service our county partners from EMA, hospital and other agencies.
It should be noted that most "Skywarn" severe weather nets are conducted on a local basis, communicating with the National Weather Service. These times are in addition to activity cited above. However, ARES and the Auxcomm team continue a program aimed at providing blanket coverage of the state through digital voice systems when needed.

The "Watch Desk Project"
Storm systems usually bring serious static and RF noise making communication on HF bands extremely difficult. By linking the two major digital voice repeater systems in Ohio (Yaesu's "System Fusion" and the P-25 based "DMR" system) we offer coverage through over 225 repeaters saturating the state. This creates a significant ability to communicate static-free with handheld radios. This "Watch Desk Project" has been used in cooperation with the EOC's Watch Desk during severe weather outbreaks. It is a valuable resource that stands ready when needed.

We Test Our Readiness

In order to test our readiness to be a viable resource Ohio ARES participates in the ARRL-sponsored "Simulated Emergency Test" in early October each year. Ohio generally places in the top three ranking nationwide. This year's scenario was a derecho with heavy wind damage followed by days of sub-zero cold resulting in loss of power and communication. Thirty one counties and over two hundred operators were active for the exercise as was the Ohio Auxcomm Team and W8SGT. W8SGT received 35 digital messages (205, 213, others plus Winlink forms) 31 formal voice messages and many tactical communications over the daylong period.

Another important test is the "Ohio ARES VHF Plus" radio contest. Conducted as a contest, this event in early January is actually a test of residential VHF/UHF antennas and stations. It affords operators the chance to plot where their "simplex" signals (non-repeater) may be heard. This gives the knowledge of how they would participate in a large-scale disaster or prolonged power outage that would take away repeaters.

Members of our teams appreciate the cooperation and acceptance of our partners at all levels! We will continue to study and practice to maintain our service at acceptable levels.

Submitted by OH SEC Stan Broadway – N8BHL

Contest University is coming to Orlando!

NOAA and USFWS call for public comments re: Pacific Remote Islands

Perhaps you are aware that on December 21, 2021 the U.S. Federal Register published a request from National Oceanic and Atmospheric Administration (NOAA) and the U.S. Fish and Wildlife Service (USFWS) for comments and input regarding an upcoming new Monument Management Plan for the Pacific Remote Islands Marine National Monument (PRIMNM). This Monument encompasses approximately 495,189 square miles (1,282,534 square kilometers) in the central Pacific Ocean that include the seven islands and atolls encompassing DXCC entities: KH1 Baker/Howland; KH3 Johnston; KH5 Palmyra/Jarvis/Kingman Reef and KH9 Wake Island.

In 2019, Don Greenbaum N1DG was appointed as the Citizen-at-Large representative on the NOAA/USFWS Community Group providing input on drafting this new management plan for the PRIMNM. Don has done an outstanding job advocating for amateur radio in this role to ensure it continues to retain "recreational"

compatible use status at the environmentally protected islands within PRIMNM.

This Federal Register's request for comments is the result of 2 years of drafting that plan with input from NOAA, USFWS and the Community Group participants. More information on that group can be found here: https://www.fws.gov/refuge/pacific_remote_islands_national_marine_monument/PRIMNM-Community.html

Please know that INDEXA is closely following the status of the new Management Plan and has submitted comments on behalf of you and the nearly 1,000 other members of the INDEXA organization requesting amateur radio be included in the new Plan. Our INDEXA comments as well as the other submitted comments are a matter of public record and can be found and read on the website: https://www.regulations.gov/document/NOAA-NMFS-2021-0122-0001/comment

At this time, INDEXA would like to encourage interested members to submit individual comments in support of amateur radio inclusion in PRIMNM's new Management Plan. Your comments can easily be submitted online at the link below. Deadline for submittal is January 20, 2022. You can read the document and instructions for submitting comments here: https://www.federalregister.gov/documents/2021/12/21/2021-27535/pacific-remote-islands-marine-national-monument-monument-management-plan

On behalf of the INDEXA Board of Directors, I extend a heartfelt "thank you" in advance for your help in this important matter as we obviously wish to retain amateur radio access to these rare, remote and protected DXCC entities.

Very 73 and Happy New Year,
Hal W8HC INDEXA Secretary-Treasurer

MGT-347 INCIDENT COMMAND SYSTEM FORMS REVIEW
Hosted by: Franklin County EM & HS (TEEX)
February 1, 2022 (Morning)

Course Description: This ICS-Forms course is a 4-hour workshop and students will learn about and use the most common Incident Command System (ICS) forms. The course will prepare you to work with the ICS Forms used in the Incident Command Planning process to assist in the development of an Incident Action Plan (IAP). You will be introduced to the forms and will practice how to develop and write effective objectives to manage an expanding all-hazards incident. The course will allow you to learn and experience the benefits of using the forms in responding to emergencies or managing planned events.

Application Deadline: January 18, 2022

Course Registration time: 7:30 am to 8:00 am

Course Time: 8:00 am to 12:00 pm

Training Location: Franklin County Emergency
                                   Management & Homeland Security
                                   5300 Strawberry Farms Blvd.
                                   Columbus, OH 43230

Recommended Participants: The target audience for this course should include entry-level personnel from local agencies, including representatives from the Fire Service, Emergency Medical Services (EMS), Law Enforcement (LE), Public Health (PH), Public Works (PW) and Emergency Management (EM) and any other appropriate disciplines interested in the course.

Required Prerequisites: Applicants must provide the following prerequisites to Pam Tickle at pktickle@franklincountyohio.gov as soon as possible for consideration to attend the course. Preferably the most recent version of the IS-100 Introduction to the ICS, IS-200 Basic ICS for Initial Response, IS-700 an Introduction to the NIMS and IS-800 National Response Framework. **Copies of the certificates of completion must be sent to Pam Tickle, pktickle@franklincountyohio.gov, after registering for the class for final approval to attend the course.**

Enrollment: Students must enroll via the Department of Public Safety Training Campus website: https://trainingcampus.dps.ohio.gov/CourseMill/home.html. Course registration will generally close 10-working days prior to the course start date and applicants can check enrollment/approval status via the Department of Public Safety Training Campus website.

Course Costs: There is no charge for participants to attend this course. However, Lodging, Meals, Per Diem and all other travel expenses are the responsibility of the student or the parent organization.

State Point of Contact: Lisa Jones, DSC 2, Ohio EMA, SAA Training Point of Contact, (614) 799-3824 ljones@dps.ohio.gov.

It is the goal of Ohio EMA to ensure that all students have the tools necessary for successful course completion. If students require additional accommodations, they should make the Ohio EMA training office aware, and staff will confidentially meet reasonable requests.

Mission Statement
To coordinate activities to mitigate, prepare for, respond to, and recover from disasters.

Club Corner

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

Let me 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?
Just sent it to: webmaster@arrl-ohio.org   Please! Format as below:

If you want me to publish your club information, or even an article you have written, please send it in WORD format (.docx). Please use Times New Roman font size 12 for the body of the aritcle. Any photos please include as a .jpg or .bmp – the time you save me in doing all the conversions will be greatly appreciated.

VE Sessions

Alliance Amateur Radio Club
AARC(W8LKY) will not be operating normal activities in the month of January 2022.
We have canceled our January VE Session - January 22, 2022.

CARS
VE testing from CARS - Cuyahoga Amateur Radio Society - at Elmwood Recreation Center, 6200 Wisnieski Parkway in Independence, Ohio 44131 Time: 9:15 AM (Walk-ins allowed) Always the 2nd Sunday of the odd month. Go to CARS www.2cars.org 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 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

US Coast Guard Auxillary   January 22, 2022 at 0900 (local) at the Shrine Building, 6401 Fruit St. Huntsville, OH 43238. For more information contact Sam Holland – KD8JJJ at 937-592-2412 or Michael Robinsons – KI0DE at 614-744-4469 msrobin1980@gmail.com

Lucas County ARES vehicle in the Christmas parade

In case you have not seen this, I have the link on UTube for you to watch. This was in Maumee.

https://youtu.be/b_YZe56g99o

Brent WD8PNZ

NE Ohio Discord for Hams

N8EI December 17, 2021News

A group of people wanted to take another stab at a Discord server for connecting amateur radio enthusiasts around Northeast Ohio. Discord is a popular platform for gamers and other tech and maker-related enthusiasts to have text chat, voice chat, share files, and even share media like what they're listening to. While we're calling it "Northeast Ohio Amateur Radio", it's definitely not limited to just hams in the area — it's open to all.

As Wikipedia describes it: Discord is a VoIP, instant messaging and digital distribution platform. Users communicate with voice calls, video calls, text messaging, media and files in private chats or as part of communities called "servers". Servers are a collection of persistent chat rooms and voice chat channels which can be accessed via invite links.

Discord is available as an app on all major computer operating systems, phones, and tablets. It's also usable inside of a web browser.

If you want to hop in on the groundfloor, learn a new platform, and help grow conversation in amateur radio check out the:

Your Club news should be listed here!

I know you're out there doing things! Send me a write-up (MSWord please) and some photo's (.jpg please) and we'll get your club hi-lited here for the other OH Section Clubs to see! Send to WB8LCD@ARRL.ORG

DX This Week – 2022 Dates

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

Happy New Year! By the time you get this, most of us will be back to work, albeit in the Covid styles we have been developing. I have about a 50-minute drive from Waynesville to Cincinnati each morning. I miss the interaction with my group, but I don't miss the traffic! Let me know if you received anything you want to share under the tree this year.

Solar conditions continue to slowly improve, and this is reflected in the cluster spots that were posted in the past week. The Midwest DX Cluster spots were. Alaska, Argentina, Asiatic Russia, Australia, Azores, Belgium, Belize, Bhutan, Bosnia-Herzegovina, Brazil, Bulgaria, Canada, Cayman Islands, Chile, China, Colombia, Costa Rica, Croatia, Cuba, Czech Republic, Dominican Republic, Ecuador, England, Fed. Rep. of Germany, France, Grenada, Hong Kong, Indonesia, Italy, Japan, Kenya, Luxembourg, Mexico, Montenegro, New Zealand, Oman, Panama, Peru, Philippines, Poland, Puerto Rico, Republic of Korea, Serbia, Singapore, Spain, United States, Uruguay, Venezuela, and Wales.

DAH DIT DIT DIT DAH   DAH DIT DIT DIT DAH

I received several nice cards this week including EP2ABS – Abbas in Tehran, Iran and FR4OM, Jean Philippe on Reunion Island. Let me know what you worked and received!
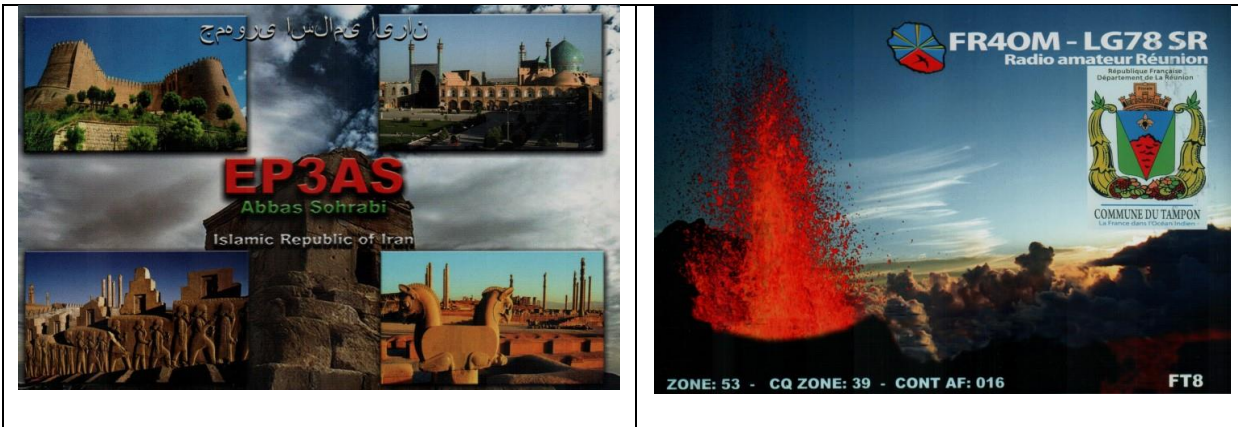
DAH DIT DIT DIT DAH   DAH DIT DIT DIT DAH

There are some important dates you should make a note of. These include the State QSO Parties, international DX contests, and regional DX contests. I have worked many normally difficult entities during contests and found it very easy (sometimes) to get them in the log. I have about 90 dates that I would suggest that you keep in mind. However, you don't need to write them down and I did not want to send WB8LCD, Tom, to editor purgatory while he tried to align and post all of these dates in this week's journal. So, I have created two items to make it easy for you. The first is a .pdf copy of the dates. The second may be useful if you have slight computer skills. I have created a .csv of the dates that conforms to the Google calendar format. You can import this .csv and viola', the dates are on your Google calendar. Both files can be found at www.aj8b.com/files. Let me know if you have any questions.

Finally, the latest edition of the SouthWest Ohio DX Association Newsletter is available for your reading. It can be accessed at https://www.swodxa.org/newsletters/ Just click on "Current Newsletter"

Have a safe week and Gud Hunting

CQDX CQDX CQDX CQDX CQDX CQDX CQDX CQDX CQDX

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:

HD8M Cancelled March 2 to March 12, 2022 By WB2REM, Jim Millner

January 3, 2022

The HD8M team has decided that we will not be making the DXPedition to the Galapagos Islands originally planned for March 2-12, 2022. This decision was made after much discussion and consideration and was made after consulting with persons in Ecuador who are closely attuned to the nature of the global SARS CoV-2 pandemic (aka COVID-19, aka Coronavirus) and how it is spreading there and the impact it is having on Ecuador and the Galapagos. Given all the factors, many of which are shifting rapidly, and that team members were coming from various places in North America and would therefore need to travel through multiple

countries, airports, and way points in order to reach the destination, it has become clear that the risks now make it unwise to proceed at this time.

The team is hoping to find another opportunity to make a trip to the Galapagos at some future date.

Sincerely,

The HD8M DXPedition team:
Jim - WB2REM, Chris VO1IDX, Mitch - KH6M, John - N4NNY, Bob - KE2D

WSJT-X 2.5.4 GA Release
(from the WSJT Development mailing list)

 Please welcome two new members of the core WSJT Development group:

Chet Fennell, KG4IYS, and Uwe Risse, DG2YCB. Each brings important
skills and experience to the project, after the loss of Bill Somerville, G4WJS. The newly constituted group has been working to redefine standard operating procedures for new releases. WSJT-X 2.5.4, a bug-fix release correcting these two flaws in release 2.5.3, is now available as a General Availability (GA) release.

Changes from v2.5.3 are:

- WSJT-X: Repair a defect that caused occasional crashes when in QSO with stations using nonstandard callsigns.

- MAP65: Correct a bug that prevented "Best-fit Delta phi" solutions from being displayed to the user.

Links to WSJT-X 2.5.4 installation packages for Windows and Linux are available
here: http://physics.princeton.edu/pulsar/k1jt/wsjtx.html

Thanks to John Nelson, G4KLA, the installation package for macOS will be added soon.

You can also download the packages from our SourceForge site: https://sourceforge.net/projects/wsjt/files/ It may take a short time for the SourceForge site to be updated.

WSJT-X is licensed under the terms of Version 3 of the GNU General Public License (GPL). Development of this software is a cooperative project to which many amateur radio operators have contributed. If you use our code, please have the courtesy to let us know about it. If you find bugs or make improvements to the code, please report them to us in a timely fashion. The authors and Copyright holders of WSJT-X request that derivative works should not publish programs based on features in WSJT-X before those features are made available in a General Availability (GA) release of WSJT-X. We will cease making public Release Candidate (RC) pre-releases for testing and user early access purposes if this request is ignored.

Bugs should be reported by following instructions found here in the User Guide:

https://www.physics.princeton.edu//pulsar/K1JT/wsjtx-doc/wsjtx-main-2.5.4.html#_bug_reports

We hope you will enjoy using WSJT-X 2.5.4.

-- 73 from Joe, K1JT; Steve, K9AN; Nico, IV3NWV; Chet, KG4IYS; and
Uwe, DG3YCB.

My friend and fellow PVRC member K3RA, Rol Anders is running an Extra Class Licensing course on Zoom beginning Thursday January 20th through Thursday March 31st. The 11 weekly live meetings will start at 2330Z and run for three hours. The course is sponsored by the National Electronics Museum. Send an email to roland.anders@comcast.net for more details.

DAH DIT DIT DIT DAH   DAH DIT DIT DIT DAH

CONTEST CORNER

Below is a list of upcoming contests in the "Contest Corner". I think this is important for someone who is trying to move up the DXCC ladder since entities that are on the rarer side and easiest to work in contests. Some of my best "catches" have been on the Sunday afternoon of a contest when the rarer entities are begging for QSOs. Of course, the gamble is that if you wait until Sunday, conditions may change, or they simply won't be workable. However, it is not a bad gamble. Of course, why not work the contest and have some fun!
Check out the WA7BNM Contest Calendar page (https://www.contestcalendar.com/) and CQ Magazine for more contests or more details.
The contests in red are those that I plan to spend some significant participation time on. PLEASE let me know if you are working contests and how you fared.
Thanks!

Jan. 22-23	BARTG RTTY Sprint	http://bartg.org.uk/wp/contests
Jan. 22-23	North American SSB QSOP	http://ncjweb.com/naqp
Jan. 26	UKEICC 80 M Contest CW	https://ukeicc.com/80m-rules.php
Jan. 28-30	CQWW 160M CW Contest	http://cq160.com/rules.htm
Jan. 29-30	REF CW Contest	https://tinyurl.com/78z37kdj
Jan. 29-30	Winter Field Day	www.winterfieldday.com
Feb 12-13	CQWW WPX RTTY Contest	www.cqwpxrtty.com
Feb 25-27	CQWW 160M SSB Contest	http://cq160.com/rules.htm

ARLD001 DX news

This week's bulletin was made possible with information provided by HK4D, W2APF, 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.

GUINEA, 3X. Jean-Philippe, 3X2021 is QRV from Conakry. Activity is on the HF bands. He has been QRV on 20 meters using SSB around 2100z. QSL via Clublog.

BARBADOS, 8P. Chris, WA7RAR is QRV as 8P9CB from St. Phillip. Activity is in his spare time on 30 to 10 meters using CW and SSB. QSL to home call.

FEDERAL REPUBLIC OF GERMANY, DA. Special event station DM60CSJ is QRV until July 31 to celebrate the 60th anniversary of Club Station Jesewitz. QSL via bureau.

KYRGYZSTAN, EX. Andrea, HB9DUR is QRV as EX0DX as Bishkek until January 10. QSL to home call.

SWITZERLAND, HB. Members of USKA Schaffhausen are QRV with special event station HB50SH during 2022 to celebrate the club's 50th anniversary. QSL via LoTW.

COLOMBIA, HK. Special event station 5K6RM is QRV until January 10 during the annual Manizales Fair. Activity is on 160 to 6 meters using CW, SSB, and various digital modes. QSL via bureau.

THAILAND, HS. Look for E20AX/p to be QRV from Samet Island, IOTA AS-107, from January 8 to 10. Activity will be on 40 to 10 meters using CW, SSB, and FT8 with two to three stations active simultaneously. They may try to be active on 80 meters. QSL via E21EIC.

NORWAY, LA. Special event station LA100B is QRV during 2022 to celebrate NRRL's Bergensgruppen 100th anniversary. QSL via LoTW only.

BRAZIL, PY. Look for ZY6A to be QRV from Friars Island, IOTA SA-023, from January 13 to 16. Activity will be on the HF bands. QSL via QRZ.com.

GREECE, SV. Special event call SX1CAF commemorates the first flight over Greece 110 years ago. QSL via eQSL only.

NORFOLK ISLAND, VK9N. Rob, VK2FBBB is QRV as VK2FBBB/VK9 until January 16. Activity is on 80, 40, 15, and 10 meters using SSB, generally in the 0500 to 0900z time frame. QSL to home call.

MONTSERRAT, VP2M. Thaire, W2APF will be QRV as VP2MDX from January 9 to February 18. Activity will be holiday style on 80 to 6 meters using CW and SSB. QSL to home call.

INDIA, VU. Members of the West Bengal Radio Club will be QRV with special call sign AU1GSI from Sagar Island, IOTA AS-153, from January 9 to 16 to draw attention to the annual holy dip ritual Ganga Sagar Mela 2022. Activity will be on 40, 20, and 15 meters. QSL via operators' instructions.

MEXICO, XE. In celebration of the 90th anniversary of the FMRE, look for a number of stations to be using the 4A90 prefix until the end of March 2022. QSL via operators' instructions.

Please see January QST, page 76, and the ARRL and WA7BNM Contest web sites for details.

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Upcoming *Hamfests*

We **DO** have some hamfests scheduled for 2021!! Yes, take a good look at the list. The sad news is, if it doesn't show up here now, it's been cancelled!

******Starting in December we will be listing all the upcoming 2022 Hamfests! And, there are a bunch already. Stay tuned.*******

Ohio Hamfests	
2022	
01/16/2022 - **Sunday Creek Amateur Radio Federation Hamfest** **Location: Shade, OH** **Sponsor: club members** **Website: QRZ KC8AAV** **Learn More**	03/12/2022 - **MOVARC Hamfest** **Location: Bidwell, OH** **Sponsor: Mid-Ohio Valley Amateur Radio Club** **Learn More**
03/13/2022 - **Winter Hamfest** **Type: ARRL Hamfest** **Sponsor: Northern Ohio Amateur Radio Society** **Learn More**	03/20/2022 - **Toledo Mobile Radio Association Hamfest and Computer Fair** **Location: Perrysburg, OH** **Sponsor: Toledo Mobile Radio Association** **Website: http://tmrahamradio.org** **Learn More**

04/09/2022 - [**Sixty-Sixth Cuyahoga Falls Amateur Radio Club Hamfest**](#) **Location: Cuyahoga Falls, OH** **Sponsor: Cuyahoga Falls Amateur Radio Club, Inc.** **Website:** [**http://www.cfarc.org/hamfest.php**](#) [**Learn More**](#)	**04/24/2022 -** [**Athens Hamfest**](#) **Location: Athens, OH** **Sponsor: Athens County Amateur Radio Association** **Website:** [**http://www.ac-ara.org/**](#) [**Learn More**](#)

05/20-22/2022 - [**Dayton Hamvention**](#) **Location: Green County Fairgrounds, OH** **Sponsor: Dayton Amateur Radio Association** **Website:** [**https://hamvention.org**](#) [**Learn More**](#)

06/04/2022 - [**FCARC Summer Hamfest**](#) **Location: Wauseon, OH** **Sponsor: Fulton County Amateur Radio Club** **Website:** [**https://k8bxq.org/hamfest**](#) [**Learn More**](#)	**07/09/2022 -** [**Mansfield Mid Summer Trunkfest**](#) **Location: Mansfield, OH** **Sponsor: Intercity Amateur Radio Club** **Website:** [**http://www.w8we.org**](#) [**Learn More**](#)
07/17/2022 - [**Van Wert Hamfest**](#) **Location: Van Wert, OH** **Sponsor: Van Wert Amateur Radio Club** **Website:** [**http://W8FY.ORG**](#) [**Learn More**](#)	**08/13/2022 -** [**Cincinnati Hamfest**](#) **Location: Owensville, OH** **Sponsor: Milford ARC** **Website:** [**https://CincinnatiHamfest.org**](#) [**Learn More**](#)

09/25/2022 - [**Cleveland Hamfest**](#) **Location: Berea, OH** **Sponsor: Hamfest Association of Cleveland** **Website:** [**http://www.hac.org**](#) [**Learn More**](#)

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For Immediate Release: January 4, 2022

1. Ohio EMA Offers Rebates to Homeowners for Tornado Safe Rooms
2. Application Period is Open January 4 - February 4

COLUMBUS, Ohio — Homeowners throughout Ohio now have the opportunity to apply to receive reimbursement for the purchase and construction/installation of a tornado safe room inside or outside their homes.

A safe room is a structure specifically designed to provide protection in extreme weather events. The Ohio Emergency Management Agency's (Ohio EMA) rebate program provides a rebate of up to 75 percent to homeowners selected for the program.

Ohio EMA is accepting applications for its Ohio Safe Room Rebate Program, January 4 through February 4, 2022.

"In neighboring Kentucky last month, a catastrophic tornado killed close to 100 people, and Ohio has seen its own share of deadly tornadoes as well," said Governor Mike DeWine. "Because our entire state is vulnerable to tornadoes, we're offering these rebates to help cover some of the costs associated with the added protection of a safe room."

Last year, the National Weather Service (NWS) confirmed that twenty-eight tornadoes touched down in Ohio, including the December 11, 2021 EF-1 tornado in Hardin County, and two separate "tornado outbreaks" in October 2021 that totaled fourteen different tornadoes.

"Safe rooms offer protection to a tornado's strong winds and resulting airborne debris and provides near-absolute protection for occupants," said Ohio EMA Executive Director Sima Merick. "We urge Ohioans to apply for these grants."

This is the ninth year for the Ohio Safe Room Rebate Program. To date, more than $1.9 million in rebates have been awarded to homeowners for the construction of more than 250 safe rooms across the state.

Safe rooms can be constructed/installed in one of several places in the home, including in the basement; beneath a concrete slab-on-grade foundation or garage floor; or in an interior room on the first floor. A safe room may also be buried in the yard or be a stand-alone structure near the home.

The deadline to apply to participate in the Ohio Safe Room Rebate Program is February 4, 2022 at 5:00 PM.

Residents selected for the program are eligible for a rebate up to 75 percent of the cost to install or construct a safe room – up to a maximum of $4,875.

For more information and to apply, visit the Ohio EMA Safe Room Rebate Program webpage.

Additional Information: The Ohio Safe Room Rebate Program will use a computerized random selection process to select applicants. A priority list of applicants will be created from the selected applicants. Chosen homeowners will be notified by email of their position on the priority list on or after February 21, 2022. Ohio EMA anticipates grant funding will become available this year and having a list of participants who meet program requirements will expedite the rebate process.

Funding for the rebate program is through a partnership with the Federal Emergency Management Agency's (FEMA) Hazard Mitigation Assistance (HMA) grant programs. Ohio homeowners would be responsible for 25 percent of the construction costs and any additional costs over the 75 percent maximum rebate of $4,875.

Safe rooms must meet FEMA requirements in FEMA publications 320 and 361 and cannot be constructed/installed prior to the rebate drawing and notification from Ohio EMA to proceed with construction. Ohio EMA plans to offer this rebate program on an annual basis.

Homeowners with questions should call Ohio Emergency Management Agency Mitigation Specialist Dan Clevidence at 614-799-3533.

NanoVNA: What Is It?

N8EI December 3, 2021Techinfo

This is the first in a series of articles on the NanoVNA. As more articles are posted, the links at the bottom of this article will be updated.

Before discussing the NanoVNA and why a ham might want one, what a "VNA" or a vector network analyzer is needs to be discussed. A VNA is a measurement instrument that measures the response of a network of electronics either through its reflection measurements (e.g. SWR, Smith Chart plots, etc.) or through measurements (e.g. detected power, etc.). A VNA is particularly valuable because it plots information against two axis, such as SWR across a frequency range or power observed passing though something connected to both ports. A VNA can be used similar to an antenna analyzer to measure antenna efficiency but also to test the power of a (low powered) device such as a signal preamp or check the power-passing/rejecting of a filter. It does this by having one port that emits a set of signals across a frequency range and that can monitors reflections back to it. The second port can monitor forward activity such as power, magnitude, phase, etc.

Traditionally, a VNA was a $10,000+ instrument available to only professional radio/RF engineers. However, in 2017 a Japanese ham going by "edy555" released an open source project that constructed features of a VNA on top of an STM microcontroller based on some earlier work done by a group of hams in Texas on an SDR. From that work, a Chinese ham named Gen Hu ("hugen") created a fully assembled system and offered it for sale. Based on that work, edy555, hugen, and others have continued to refine both the software and guide additional hardware development. The result today in 2021 is the NanoVNA-H and the NanoVNA-H4 that are at the forefront of the NanoVNA product line.

While there are a number of "NanoVNA" devices, the community behind the system generally supports the mainline NanoVNA-H4 as the product of choice. The H4 is available from Gigaparts and R&L Electronics.

Beyond just the hardware device itself, there is software available to hook a NanoVNA into a computer to perform a variety of tasks. There are also a number of various "threads" of firmware available for the NanoVNA that change or improve the device depending on a user's needs.

Future articles will dive into choosing a firmware and then using the device for a variety of tasks.

All Articles in the NanoVNA Series:
Part 1 – NanoVNA: What Is It?
Part 2 – NanoVNA: Devices & Firmware

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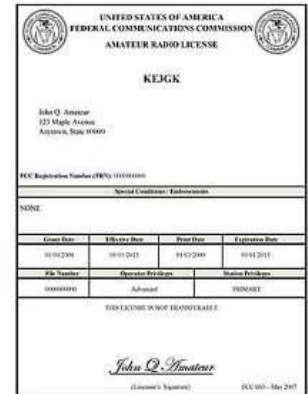
Licensees also will be able to print out an official authorization — as well as an unofficial "reference copy" — from the ULS License Manager. I've created a set of instructions on how you can request an **"official" printed copy of your license***

One Question Questionnaire

!!!!! I would really like to hear from as many of you as possible on this one. While I know what I think the answer is going to be, the bigger the sample, the more accurate a survey like this is likely to be.

How about going to http://arrl-ohio.org and giving me a click? (It's in the bottom left corner of the page) I'll have more to say about this in the next OH Section Journal!

How much do you think you will spend directly on Ham Radio in 2022?
A) Less than $100? B) $100 - $2000 C) $2000+ ?

From the last Poll: *"Have you been a Net Control Operator for a net at least once in the past 90 days?"*

47% said YES and 53% said NO. I invited comments from those who said YES – Jim – W8NRX makes some very good points: I do NCO duties for the Woodchuck Amateur Radio Club of Parma at least once a month. Why be an NCO? I've only been licensed 11 months, but I think this is important. It's great radio handling skills and traffic management, skills you should become comfortable with for emergencies. It also lets me get to know more club members, as not all of them come to in-person meetings due to Covid. And last it supports the club in general; a healthy club with activity attracts more people.

Ohio Section Cabinet

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

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

Want to Share your Club Newsletter With Others?

We have a webpage where you can download and read all of the newsletters that I get from around the state and even other sections!

Here's the link to the page…. http://arrl-ohio.org/club_news/index.html

Please, if you don't see your club newsletter posted, it's because I'm not receiving it. Just have your newsletter editor contact me and I'll get your club's newsletter listed on the site!!

We all learn and steal (I mean, share) from each other's work. So, get me your newsletter!!! Send it to: webmaster@arrl-ohio.org

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   and we'll get them added to the Ohio Section Emailing list.

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!!"

PostScript is produced as a weekly newsletter. I want to thank everyone that has contributed articles and ideas to make this an even better news source. I sincerely hope that you have enjoyed this edition and will encourage your friends to join with you in receiving the latest news and information about the Ohio Section, and news and events happening around the world!