



“February 06, 2023”

→ [National News](#)

→ [DX This Week](#)

→ [Upcoming Hamfests](#)

→ [VE Testing](#)

→ [Club Corner](#)

→ [Contest Corner](#)

→ [One Question Questionnaire](#)

→ [South 40](#)



CQ CQ CQ de WB8LCD

The pictures above were taken in my basement, as I write this. They are the “Estate Radios” of a local ham who passed away just over a year ago. I was contacted by his surviving spouse to see if I could help her dispose of his ham radio gear. It’s all in my basement now as I’m trying to help her dispose of everything without just dumping it. I’ve got a friend whose father passed away (long before I knew him). His father was a ham and had a whole Collins station, among other gems. The family thought it was all just “junk” and pitched it into the dumpster. Knowing the family as I do now, probably some really nice stuff which is now, gone forever. I can’t bare to see that happen to the hobby, nor to the surviving family members.

My point in showing it to you here is not to sell it to you (although many of the items are listed on the OH Section Web Site’s “Swap n Shop” listings) but more importantly to point out that this WILL happen to all of us! It can happen by chance, or it can happen by design. PRO-TIP: “By Design” is the way you want it to happen! Chances are pretty good, that without a plan, YOUR stuff could also end up in the dumpster. With a plan, your stuff could go to your club, could go to some new hams, or could at least have someone designated to help your family sell it and get a reasonable value for your years of collecting! You might also want to have someone notify the ARRL, the FCC, your clubs and other affiliations that you have now departed. If you have the means, you might also want to include your club and/or the ARRL in your estate plan. If you don’t have a plan (ahead of time) don’t worry, the Feds and your state government have a plan for you. It does not favor you, your family, or the organizations you belong to. You need to take care of that ahead of time.

Ohio Section Clubs: Looking for meeting topics and presenters? I’ll be revamping and making sure the Ohio Section Speaker’s Bureau is brought up to date so you can use it as a resource. Also, please call on any of the members of the Ohio Section Cabinet as they may be able to help you with their particular area of expertise. Anthony Luscre - K8ZT has a whole list of programs you may find interesting all ready to go! Check him out here: [K8ZT Presentations & Resources - Google Drive](#) . Located in that listing is “RATPAC” – a whole other listing of presentation! If you’re still stuck, send me an email. We’ll come up with something that will work for your club.

Also for **clubs** if you want your newsletter to be included in the 2023 OHIO Section Newsletter Contest, please send you newsletter, monthly to Liz Kline – KE8FMJ. ke8fmj@gmail.com
Liz is our newly appointed (01/01/2023) OH Section PIC and will be running the contest this year – please make sure she has *your club’s* newsletter.

I’m told the VOTA Leader Board should be up soon! Stay tuned..... I had hoped to put up the Ohio Section Leader’s Board for “Club Visitation” but I haven’t had any reports yet! Here’s what you need to do. Check out the Ohio Clubs (you can bring that up on the ARRL website, look for the ones in your area that meet on weeknight that is not the same as your club’s. Make a

commitment to visit one or two other clubs a month, other than your own. **PUT IT ON YOUR CALENDAR!** – then go. Maybe even get a couple of your buddies to go along with you. I promise – It'll be a good evening.

The following has been reported by several sources [edited]:

Bouvet DXpedition News

4 team members have spent 4 days on the island under difficult conditions. All team members are now back on the vessel and everyone is safe. Bouvet has proved to be a difficult destination to activate, and the team is now adjusting our plans before we return to the island.

The WX forecast for the weekend indicates a storm with 60 knot wind Sunday/Monday and depending on this storm we will assess the situation and go onshore when conditions are good. This will not be a fullscale operation as planned but a smaller setup. We have a good overview of the camp and the possibilities, and will attempt to continue building the camp. We have infrastructure on the island including access to the camp.

So it appears that this DXpedition is going to downsize its efforts in order to make sure that they can do something to make it successful instead of totally giving up because of the WX conditions.

--

73 - Chuck W8PT

OH Section ARES

As you've all heard, ARES has a new monthly reporting system rolling out to make the process simpler for all involved. But for the system, which uses forms 2 & 4, requires our information on EC's and DC's to match what is in the ARRL database. If you are an OH Section EC or DEC and find information that is not correct – please let me know ASAP! wb8lcd@arrl.org It's important that your name, mailing address, email address and phone numbers are all correct!

This morning I was at the PCARS VE Session. We had 8 candidates and more than 8 VE's in attendance. It was a good morning! There were several new licenses passed and a few upgrades too.

Hamfest season is starting and it looks like there are a whole bunch in the Ohio Section for 2023! Also coming up in April we're looking towards an ARES conference and NVIS day – more details on both to follow.



Get out there and have some Ham Radio Fun!
73,

Tom Sly - WB8LCD
Ohio Section Manager
wb8lcd@arrl.org
330-554-4650



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.

Next Net is Sunday February 12th

If you are a young ham, in the Ohio Section or elsewhere, please check in and say “Hello”! Even if you’re far away from OHIO you can check in via Echo-Link. Echo-Link is a good tool to have, and it can be accessed from your laptop, tablet or cellphone. But there is a process to get validated to the Echo-link system. It’s simple to do, but you need to get it done before the day of the net! Go to [Introducing EchoLink](#) for more information on getting started. If you’re an “Old Guy” (a gender neutral term meaning not a youthful operator) and you have some kids, grandkids, nieces, nephews or even some neighborhood kids who you would like to give a chance to talk to other kids about Ham Radio, this might be an excellent opportunity to give them that small nudge that could be the start of something positive they will carry with them through life!

National News

(from ARRL and other sources)

Dave Kalter Memorial Youth DX Adventure

**ANNOUNCING THE 2023 TRIP TO
CURACAO, July 13-18.**

Applications now being accepted.

The Caribbean Contest Consortium and Geoff Howard have once again agreed to let us use the PJ2T site for our 2023 trip. The support we give us is greatly appreciated. Especially thanks go to Uli DL8OBQ for being our on site representative. His travel and use of vacation to help the youth is noticed and allows us to make the trip. We will be once again applying for the call sign of PJ2Y.

Team applications for the 2023 trip are

[NOW being accepted, click to download the PDF form](#)

[Click to download the Word form](#)

Youth on the Air Camp 2023 Application Period Now Open

Applications are now being accepted for campers interested in attending Youth on the Air (YOTA) Camp 2023.

Licensed amateur radio operators ages 15 through 25 are encouraged to apply online at YouthOnTheAir.org. The Radio Amateurs of Canada will be the local host for the 2023 YOTA Camp. It is scheduled to take place July 16 – 21, 2023, at the Carleton University campus in Ottawa, Ontario, Canada.



Applications will be accepted through May 31, 2023, but for the best chance at being selected, applications should be submitted by 2359 UTC on January 15, 2023.

The application process is free. However, a \$100 deposit is required upon acceptance. If a camper is unable to pay the deposit, they may be able to apply for a scholarship or waiver. Camp Director, Neil Rapp, WB9VPG, said campers are responsible for their transportation to the camp location, though some assistance may be available. Travel during camp events is provided.

Campers will be selected by the working group and notified by February 1. To encourage attendance from across the Americas, allocations for campers are being held open for various areas of North, Central, and South America. If countries do not use their allocation, or should someone within an allocation decline acceptance, those positions will be filled from the remaining pool of applicants. As this will be an ongoing process, everyone will not receive notification of acceptance at the same time. Preference will be given to first-time attendees.

COVID-19 guidelines are still in effect and may have an impact on offering the camp. Currently, the outlook on offering the camp in July 2023 is positive. If the camp cannot be hosted, or would need to reschedule, all applicants will be notified as soon as possible. Appropriate requirements on masking and vaccination statuses will be announced as needed.

A [YouTube](#) video is now available about the 2023 YOTA Camp. For details and additional information, contact the Camp Director Neil Rapp, WB9VPG, at director@youthontheair.org.



There's More Space in Your Life Than You Think!

When it comes to NASA, most people look to the skies as rockets, rovers, and astronauts push the boundaries of space exploration, but the benefits of going above and beyond can be found here on Earth through products and services born from our innovation.

The technology transfer program—charged with finding the widest possible applications for our technology, benefitting the nation and the world—celebrates the technologies resulting from space missions in [the latest Spinoff publication](#).

The 2023 edition of Spinoff features more than 40 companies using NASA technology, research, and funding to create innovations like an eco-friendly, fungus-based alternative to meat and dairy products, apps with up-to-date information for hiking, biking, and farming, virtual lesson plans that teach students how to write computer code using Moon rock data, and so much more.

[Read the Publication](#)

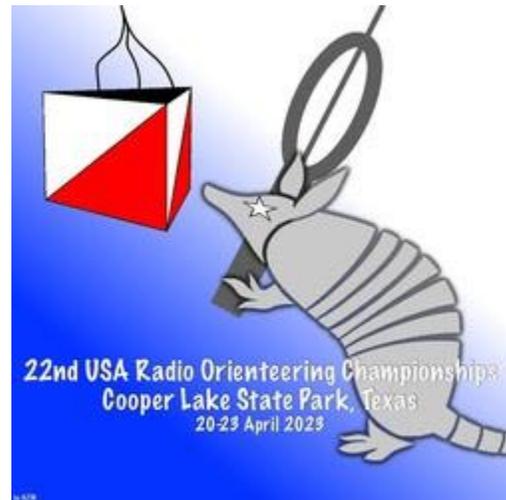
USA Radio Orienteering Championships Set for April 19 - 23, 2023

Registration is now open for the 22nd USA Radio Orienteering Championships.

The event will be held April 19 - 23, 2023, at Cooper Lake State Park in Texas, and is hosted by the [New Mexico Orienteers](#), Albuquerque, New Mexico, using maps provided by [North Texas Orienteering](#) Association.

The [White Rock Lake Amateur Radio Club](#) will provide communications support.

The name Radio Orienteering has been transitioning to this new name but it is actually the same radio navigation sport known as Amateur Radio Direction Finding (ARDF). The sport involves using special radio receivers to find hidden transmitters in timed events.



USA ARDF Co-coordinator Gerald Boyd, WB8WFK, said the event is open to everyone of all age groups, and three medals will be awarded for first, second and third place in all groups. "We have events beginning with the Sprint," said Boyd. "Participants will have 60 minutes to find their transmitters. After that, three more events, the Fox -O, and two Classics events, all lasting three hours." Results of the competitions on April 20 - 23, 2023, will help determine the members of Team USA who will compete in the ARDF World Championships scheduled for the fall of 2023 in Liberec, Czech Republic.

Charles E. Scharlau, NZ0I, USA ARDF Co-coordinator, said they are hoping for a good turnout. "It is difficult to estimate attendance this year. We can accommodate up to 100 persons," said Scharlau. "Historically, we've had about 35 or fewer competitors in non-pandemic years, but we are hearing rumors of many people who are eager to get out and do things, so perhaps attendance will be up this year."

Scharlau said this year everyone participating in or attending the event will need to pay a \$5.00 parking fee at the park.

Detailed information about registration and the event site can be found [here](#). More information about Radio Orienteering is available on the [ARRL website](#).

ARRL Foundation Accepting Applications for Grants in February

The ARRL Foundation is now accepting applications for grants to amateur radio organizations. The grants program awards limited funding to organizations for eligible amateur radio-related projects and initiatives, particularly those with a focus in educating, licensing,



and supporting amateur radio activities. Youth-based projects and initiatives are especially encouraged. The ARRL Foundation grants program accepts proposals on a cyclical model three times a year, in February, June, and October. Proposals for the February grant period are being accepted through February 28. Awardees will be notified approximately 1 month after the closing of each cycle.

Additional information and a link to the grant application can be found at www.arrl.org/amateur-radio-grants.

World Radio Day Special Transmission

In honor of World Radio Day, February 13, 2023, radio station SAQ in Grimeton, Sweden, and amateur radio station SK6SAQ, are scheduled to be on the air to send out a peace message to the world, using the *unique* 1924 200 kW Alexanderson alternator on 17.2 kHz CW.

Test and tuning transmissions will begin approximately at 13:00 CET (12:00 UTC) and SAQ will be on the air for 20 - 30 minutes. Startup and tuning of the Alexanderson alternator will begin at 15:30 CET (14:30 UTC) and transmission of the peace message from SAQ will start at 16:00 CET (15:00 UTC).

SK6SAQ has picked a set of unique frequencies with a "connection" to SAQ's transmission frequency on 17.2 kHz, and will be QRV between 10:00 CET (09:00 UTC) and 17:00 CET (16:00 UTC) on the following frequencies:

- 3517.2 kHz CW
- 7017.2 kHz CW
- 14017.2 kHz CW
- 3755 kHz SSB
- 7140 kHz SSB



The Grimeton building site in Sweden, contains the Alexanderson alternator, which was built in 1924.

QSL cards will be available and there will be live coverage on [YouTube](https://www.youtube.com).

For more information about the World Radio Day event and SAQ Grimeton visit their [website](http://www.saq.se).

Club Corner

This is YOUR corner 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 your club is up to. Are you going to have a special guest at your meeting or are you having a special anniversary?

Just send 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 article. Any photos please include as a .jpg or .bmp – the time you save me in doing all the conversions will be greatly appreciated.

The Bellbrook Amateur Radio Club will be sponsoring a General License Class beginning Saturday, February 18, 2023, from 9:00 am until 12:00 pm in the Bellbrook Amateur Radio Club (BARC) Clubhouse at 51 South East Street, Bellbrook, OH 45305 (lower level). The sessions are over four Saturdays (February 18, 25, and March 4, 11) with the Exam on Wednesday evening March 15. The exam will be at the Dayton Amateur Radio Association (DARA) Clubhouse, 6619 Bellefontaine Road, Huber Heights.

The textbook will be the ARRL General Class License Manual, which is available at URL: <https://www.amazon.com/dp/1625951108> or from the American Radio Relay League.

The class and the exam are free. The application fee for the new license holder is \$35 and is payable to the FCC upon successful completion of the exam. There is no fee to upgrade an existing license. Details of the fee and how to pay are provided by the Examiners upon passing the test.

Questions? Please select the "Contact" tab at <https://bellbrookarc.org/wp/>

DARA Tech Class

The next DARA Technician License Class starts Saturday 18 Feb 2023 at 09:00 to 12:00 in the DARA Clubhouse.

The sessions are 4 Saturdays (18, 25 Feb, and 4, 11 Mar) with the Exam on Wednesday evening 15 Mar.

Here is the URL for the book <https://www.amazon.com/dp/1625951558>

The application fee for the new license holder is \$35 and is payable to the FCC upon successful completion of the exam. Details of the fee and how to pay are provided by the Examiners upon passing the test.

Please feel free to distribute widely!

Thanks for the help,

73 de N8NMG – John

QCEN and OHKYIN are teaming up to offer instruction for ham radio licenses.

Ham Radio License Instruction
For February and March 2023

What: Sessions each Monday evening from 7 to 9 p.m. starting Feb 6th
Feb 6th and 13th in person at the Red Cross building, 2111 Dana Ave., Cincinnati, OH 45207

Feb 20th and 27th on-line

March 6th in person at the Red Cross

March 13 on-line

Instruction for two license levels –for Technician (entry level) and for General (upgrade)
Materials: Course material will be from either the ARRL Ham Radio License Manual, 5th Edition, or the ARRL General Class License Manual, 9th edition, depending on the class of license desired.

Cost: Free, except for the book, which should be purchased by the individual student.
Sponsors: The OHKYIN Amateur Radio Society, and the Queen City Emergency Net.

Lucas County ARES

ICS-100 in-person class to be held on March 2nd from 8:30AM through 5PM with a 1 hour lunch break. [Email](#) W8MAL to enroll.

Skywarn Training will be held on March 14th from 6pm-8pm at the Maumee Branch of the Toledo Lucas County Public Library. More information will be posted once it becomes available.

Want to know where to go to get the courses you need? It's all Right Here!

- [Ohio EMA Training Calendar](#)
- [Login to the DPS Training Campus](#)
- [Create a new account on the DPS Training Campus](#)

NOTE:

- Most courses are in-person but some course may be hosted virtually (this will be noted).
 - Seats available listed are as of the release of this update and will change quickly.
 - All classes will be posted on the DPS training campus at least 60 days prior to the start of the course.
 - Please read the [Training Policy & Catalog](#) for more information on Ohio EMA trainings.
-

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, go 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.

VE Sessions

The following information is for ALL exam sessions:

It is now an FCC requirement to have an FCC FRN; active email address and active phone number before taking any exam. Please bring your FCC FRN, original license, a copy of your license (if a licensed ham), a valid photo ID and \$15.00 - Cash preferred.

Effective April 19, 2022, the FCC will charge a \$35.00 application fee for amateur radio licenses. The fee will apply to new, renewal, rule waiver, and modification applications that request a new vanity call sign. License upgrades will not have a fee applied. The fee will be per application. *VE's will not collect the fees at exam sessions.*

All Things Amateur Radio Association (ATARA)

We host testing sessions every second Tuesday of the month in Lancaster. To sign up please visit our website <https://atara-w8atr.fun> and contact us at hamexams@atara-w8atr.fun.

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

Clark County Amateur Radio Association (CLARA)

What: CLARA sponsored A.R.R.L. VE Testing - Walk-ins allowed. Pre-Register via email preferred.

When: On every second Saturday of each even numbered month starting at 10:00 AM
Feb 11th; Apr 8th; Jun 10th; Aug 12th; Oct 14th; and Dec 9th, 2023.

Where: Springview Government Center - Emergency Operations Center; 3130 E Main St; Springfield OH 45503 This is US-40 aka "old national road". From Route 40 enter Old Columbus Road, at the fork stay left driving straight onto Ogden Rd, then immediately turn left into the parking lot behind the EMA. Walk to the door with the "Employees Only" sign.

For more information contact Roland W. Ude, W8BUZ, (937) 605-4951 Email:

buzz@baylorhill.com

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

Huber Heights Amateur Radio Club

Huber heights amateur radio club does ARRL VE testing the second Saturday of each even numbered month. Feb, Apr, Jun, Aug, Oct, Dec. 9:30-11:00 For more information contact Jim Storms – AB8YK at ab8yk@hotmail.com

The Lake County Amateur Radio Association

The Lake County Amateur Radio Association is holding its **2023** Amateur Radio license exams at the **Kirtland Library**, 9267 Chillicothe Road, on the following dates:

Saturday, February 4

Saturday, April 1

Saturday, June 3

Saturday, August 5

Saturday, October 7

Saturday, December 2

This bi-monthly schedule is the first Saturday of every even-numbered month (e.g., February being the second month, etc.). They are held at the Kirtland Library, 9267 Chillicothe Road. It is 1.7 miles south of I-90 on Route 306 (Chillicothe Rd). The library is on the left, just beyond the Marathon gas station.

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

To register, you will need a NCVEC 605 Form, which will be available at the test. If you would like to complete one ahead of time, be sure it is the Sept 2017 version or later. You can find it by Googling “NCVEC quick-form 605” and clicking on the url for a pdf of the form. Please note **the FCC requires you to provide a FRN** (FCC Registration Number). Social Security Numbers are no longer accepted. If you are new to ham radio and don’t have a FRN, Google “New FRN” and follow the fcc.gov link.

If you are currently licensed, be sure to **bring a copy of your license to the exam.** The cost of the exam itself is \$15.00, and if you wish to pay by check, it should be made out to the ARRL/VEC. Identification with your picture is also necessary, such as a driver's license. If you have any questions, please contact Scott Farnham, KO8O, at (440) 256-0320, or scottfarnham@roadrunner.com

In addition to the \$15 test fee, the FCC now charges \$35 to add you to the Amateur Radio database. The FCC will e-mail successful candidates instructions for payment directly to them. Payment must be made within 10 days of the e-mail. This charge does not apply to upgrades.

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.k8qjk.org> for exam dates on our calendar and navigate to our Learning Center/Taking the Exam link for information and requirements. Our experienced VE team looks forward to serving the Amateur Radio community in Central Ohio. Contact me at ve_testing@k8qjk.org to register.

Lisbon Area Amateur Radio Association

Beginning Feb 11, 2023 Testing on the 2nd Saturday of each month at the Columbiana County EMA located at 215 S Market St. Lisbon, OH 44432. Walk-ins OK. Check in at 1:00PM. For more information go to www.K8GQB.com or contact NN8B at nn8b.oh@gmail.com

Madison County

The Laurel testing group will offer testing on the first Thursday of January, March, May, July, September and November. Tests are held at 7:00PM at the Madison County EMA located at 271 Elm St. London, OH. No fee.

The Milford Amateur Radio Club (MARC)

VE testing is held 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

Northern Ohio Amateur Radio Society (NOARS)

VE sessions are held the first Saturday of odd-numbered months (EXCEPT FOR March and July) at 10 AM in the North Olmsted Library, 27403 Lorain Rd., North Olmsted. Registration is preferred, but walk-ins are welcome. For more information or to register, contact Elaine, KC8FOS at ewilkinson1951@gmail.com. There will be a VE session held March 12th at the NOARS Winterfest held at Lorain County Community College in the John A Spitzer Conference Center, 1005 Abbe Rd N, Elyria, OH 44035. Please email Elaine – KC8FOS at ewilkinson1951@gmail.com to register.

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

One of the benefits of being an ARRL Affiliated Club is having access to the Club Commission Program. Affiliated clubs can use this program to receive a commission for promoting membership in ARRL. When you sign a new member, the club gets \$15, and when a member renews through the club, you get \$5.

Members can renew anytime without losing any of their membership time. Details and forms are available on the ARRL website, at www.arrl.org/affiliated-club-benefits. FAQs are also available to help explain the program. It does take some effort and a bit of paperwork, but the club reaps the reward in cash. If your affiliated club is not participating in this program, ask them to investigate it.

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 – The Year in Review

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



This week, the main topic is the DX Year in Review. Each year, Joe, W1JR, produces a document called the DX Year in Review. This is distributed via Bernie, W3UR. Both Bernie and Joe have kindly given me permission to repeat this here.

Joe, W8GEX, sent me a pic of the most recent QSL cards that he has received. They are below. Thanks Joe for keeping me informed!



Keep me informed of new equipment or new countries you have worked, or achievements you have earned.

DAH DIT DIT DIT DAH DAH DIT DIT DIT DAH

Special Edition – 2022 DXCC Year End Review – by Joe Reisert, W1JR – January 1, 2023

DX in 2022 was quite improved over 2021. Solar activity is on the rise mainly affecting the upper HF bands, especially 10 and 12 meters. Covid (CV) and its variants are still out there and causing problems but many DXers found workarounds. Despite CV, some DXpeditions were successful during the year although many others were postponed or cancel led due to flight problems and various personal reasons. FT8 is filling in the gaps as we'll see later.



JH1AJT, Zorro (R), with the Prince of Bhutan (L)

2022 in Review: I dedicate the 2022 DXCC Year End Review to the memory of JH1AJT, Zorro-san (Little Fox) Miyazawa who became a Silent Key in March 2022 at age 73. Zorro was the founder of FGC (Foundation for Global Children) in

2010. Along with his travelling he, organized many DXpeditions to rare and semi-rare DXCC entities such as E3, A5, XZ and XU to name a few.

About 270 entities were active during 2022, about the same as in 2021. The only entity active on the top 10 on the Club Log DXCC Most Wanted List (In order of rarity: P5, 3Y/B, FT/W, BS7H, CE0X, BV9P, KH7K, KH3, 3Y/P & FT/G) was FT8WW. The only other entity active in the top 20 was VK0MQ on Macquarie Island. Some semi-rare DXCC entities such as 3B9FR, 4U1UN, 9N7AA, S01WS, ST2NH, TR8CA, TT8SN, TZ4AM, and VK9DX(N) were active off and on during most of the year. CW activity decreased except during contests. Meanwhile FT8 activity at times averaged over 75% of the stations on the DX bands.

Some recent DX gatherings and conferences were cancelled due to CV or were on Zoom such. Others will resume in 2023 such as the International DX Convention (Visalia) in April. The Dayton Hamvention will be in May as usual. However, the former Crown Plaza in Dayton, the gathering spot for many DXers closed in October 2021.

The Arecibo Observatory 1,000 ft. (305 Meter) diameter dish antenna sometimes used for Amateur Radio purposes was destroyed in 2020. Now the National Science Foundation has decided not to rebuild the antenna but instead replace it with an education center concentrating on STEM (Science, Technology, Engineering and Mathematics etc.)

Ham Radio and the Internet: There is no doubt that the Internet has had a profound influence on DXing. The DX Cluster Network is made up of many DX Cluster nodes. Many DX Cluster nodes such as DX Summit, DXHeat, VE7CC and the RBN (Reverse Beacon Network) etc. are great resources for timely DX spot activity and DX info.

When spotting DX on the DX Clusters, make sure to show the mode of operation such as CW, SSB, FT8, FT8/FH especially when the frequency spotted is not in the expected frequency spectrum. Please don't ask for skeds etc. Most DXpeditions aren't watching the DX Cluster and most users don't appreciate these interruptions.

Radio Propagation: The only known day of 0 (zero) sunspots was on June 8th. DX radio propagation was fair in early January with solar flux near 100 but improved to around 125 by early February and reached 150 by the end of March. It peaked again in mid-April and reached 165 in mid-May. Near mid-September solar flux started to average around 150. By the end of the year it averaged 110-165. Check DX.QSL.net/propagation.

As guidelines radio propagation is usually best when the A index is <15, the K index is <4, the solar wind is <375 kms and solar flux is >125. The solar flux should improve as the sun heats up during solar cycle (SC) 25. Remember that Frank, W3LPL is now reporting up to date timely HF propagation in every issue of The Daily DX based on the NOAA/SWPC web pages.

Also check out QSO Today which has been interviewing many prominent and interesting people in ham radio who talk about the hobby, radio propagation etc.

Recent solar forecast papers say an early peak above projections portends an earlier and higher SC peak. So far this has been happening. Check SWPC Solar Cycle Progression. Watch for long path propagation to improve. We'll just have to wait and see. It still remains to be seen if there is a link between the four Jovial planets - Jupiter, Saturn, Neptune and Uranus to the long-term solar cycle as some writers have proposed.

Band by Band Activity in 2022 (Frequencies in MHz):

160 Meters: DX activity was low to moderate especially on CW except during contests when activity filled the band. The cancellation of many planned DXpeditions due to CV really hurt 160 DX. FT8 activity has increased around 1.840. Try to avoid using frequencies on 160 meters that are divisible by 5 (e.g., 1.820, 1.825, 1.830 etc.) since broadcast birdies are often present.

75/80 Meters: Nowadays DX activity has been low to moderate on these bands except during contests and DXpeditions. DX was also hurt by the cancellation of many DXpeditions due to CV. On the other hand, FT8 activity has increased around 3.573.

60 Meters: More entities have now received permission to operate on this band albeit many are often limited to 15 watts and a dipole antenna. Well over 250 DXCC entities have been active on 60 meters. Most DX activity is now concentrated around channel 3 at 5.357 and almost entirely on FT8. The FCC is still considering non-channelized operation near channel 3 for USA stations. The ARRL awards program does not recognize 60-meter contacts for awards. USA stations on 60 Meters are limited to 100 watts output power and a dipole antenna. Use of gain antennas requires reduced transmitter power.

40 Meters: 40 meters is still the workhorse band during nighttime and in local winter. Much activity has shifted to the FT8 mode around 7.074. CW and SSB DX activity are especially high during contests. USA stations cannot operate SSB below 7.125 so it is best to stay above 7.128 for safety.

30 Meters: 30 meters is still very popular especially for low power stations. This band is usually open a few hours before sunset to after sunrise but it can be open almost all day during local winter. There is lots of FT8 activity around 10.136. The USA power limit is still 200 watts transmitter output power.

20 Meters: It is still the go-to DX band especially during daylight although much of the CW activity has moved to the digital modes near 14.074. SSB activity is still high. As radio propagation improves some of this activity may move to the higher HF bands.

17 Meters: Low sunspot activity had really hurt the higher HF bands especially before October. However, 17 meters has been less affected and often opens shortly after 20 meters. There is lots of FT8 activity around 18.100. All modes seem to be doing well on this band.

15 meters: With increasing sunspots 15 meters is starting to open and support worldwide DX. FT8 activity near 21.074 is high.

10 and 12 Meters: These bands are beginning to support good DX. Vigilant DXers are taking advantage of the improved radio propagation. There is activity during the summer months when F2 propagation is poor but is often assisted by sporadic E propagation. 10 Meters was wide open from October through December especially during DX contests.



W7GJ Lance, during his September 2022 TO7GJ 6 Meter EME DXpedition to Mayotte Island. He hopes to go to ZD9 in 2023.

6 Meters: In recent years DX seems to have gone mostly digital. MSK144 is popular all year around 50.260 while FT8 is most popular around 50.313 and 50.323 during band openings. EME (Earth Moon Earth) DX using digital modes such as Q65 is becoming very popular during local moonrise and moonset.

TEP (Trans-Equatorial Propagation) and other related propagation associated with the equatorial ionospheric anomaly are increasingly common with increased sunspot activity. K6MIO released a report on TEP explaining its mechanisms (ref. 1).

Over 200 stations contacted TO7GJ (FH) during a recent EME DXpedition. Three top 6 meter DXers have confirmed 280 or more entities and three North American DXers confirmed 200 or more.

2022 Month by Month DX Activity Sample:

January: This January was very productive even on the upper HF bands with over 210 entities active. Notable semi-rare stations included CE0YHO, VK9DX(N), 3X2021, SV2RSG/A, 3B9FR and XV1X to name a few.

February: Likewise, February saw Z21A, TU5PCT, Z81D and HV0A. As usual there was lots of DX contest activity.

March: Solar flux increased DX on 15 Meters and above. DX wise FH/K6ZO, FH/FR5DX, TZ1CE, 9N7AA, FJ/KP4DO, 9X4X, 5UA99WS, 7Q7M, 5X4E, FJ/DK6AS, C56DF, D60AB, FW1JG, XX9ET and TY2CP were all active.

April: This month did not disappoint with YJ8RN, XT2MAX, JX/LB4MI, HC8MD, TX5N (FO/A 54K), VP2V/N2EIN (10.5 K), 9N7AA, 9N7CI, 9N7WE, FW1JG, C91AHV and E51WL (N).

May: A special operation was VU4W (Andaman I.) working 33.5 K with 57% being FT8. Also active were HK0/PY8WW, 4U1ITU, C5C and 6O1OO.

June: This was also an active month with 9X2AW, JG8NQJ/JD1 (JD1/M), VK0MQ (Macquarie 5.5K), D2UY, Z21RU (53K), XZ2B, 7O/DL7ZM, 5A1AL, OJ0MR and FP/KV1J (3.6K).

July: 7Q7RU, PY0FUN, Z66X (2.6 K), 3A/F6EXV, 3A/PB9DX (20 K) and K7K (NA070-11K) were all active.

August: As usual this was a quiet DX month but H44MS as well as 4W/JH2EUV were active.

September: Activity increased with J5JUA, E41MS, ZL7/K5WE (18.5K), FH/OK1M, VK9XX, 5J0DX and FO/F6BCW (FO/M).

October: 3C3CA, D60AE, TX7G (FO/M), TY0RU (124 K), P29RO (OC240) and FJ/SP9FUY were very active.

November: This month it was reported that for one week over 230 entities were reported as active. Activity started with 5V7RU, VK9CM, A35GC, T33T, T88WA (29K), K8H (KH8-14 K), TY5AF, J5JUA, TL8AA/TL8ZZ, 4U1ITU, VK9XX and 3D2AG/P (3D2/R).

December: YOTA call signs were everywhere from dozens of countries. Also 9M6NA, H44SHD, VK9WX (W), XT2AW, S21DX (10K), 3D2AG/P (14.5K) and FT8WW were active.

Unauthorized Operations: During the year many so called pirate operations were prevalent including but not limited to YK9R, FT5XU, YI1BGD (now QRT), 1A0UN, JW6VDA, VQ9LT, RI1FJ, ZL8AC and ZL9HR etc. DXpedition call signs such as FT8WW (sometimes during activation) were often pirated. Many EZ call signs were spotted (probably E7 stations copied incorrectly) but EZ operation has been unauthorized since 2006. Also, many call signs were busted or copied incorrectly and posted on the DX Clusters. WFWL (work first, worry later) still applies so don't waste your time and \$\$\$ working suspected pirates.

The CQ Marathon website maintains a large list of incorrectly spotted call signs. Many thanks to John, K9EL who is stepping down after many years running this website and turning it over to Mark, WC3W.

DXpeditions: They are the lifeblood of working the rare to semi-rare DX entities. They usually have obstacles since these entities are often in remote locations that makes travel difficult. Permission to operate from these locations can sometime be difficult to obtain and travel can be very costly. Despite this, some EME DXpeditions took place at semi-rare locations.

This year was no exception with many delays and cancellations. Hurricanes and severe storms damaged antennas on some DXpeditions. Temperatures above 35C (95F) along with high humidity and critters were sometimes a problem. Power outages and local RF interference sometimes made it difficult to copy weak signals.

Operating techniques: The INDEXA Summer 2022 newsletter discussed many operating tips. This past year was a tough one worldwide. Needless to say, the RST report on CW is now almost always 599 and 59 on SSB! FT4 and FT8 and especially the F/H (fox & hound) mode are more complex.

The DX Code of Conduct is a great operating guide. Don't tune up your transmitter on the common DX frequencies or on top of a DXpedition station. Split frequency operation on rare DX stations is almost always a must. Unfortunately, many stations call right on the DX station frequency or tune up on same which causes panic. Deliberate QRM is always forbidden. The old adage still applies. Always Listen, Listen, Listen before you start to transmit!

Also don't spot rare DX on the DX Cluster unless you know it's legit and surely don't spot rare DX call signs for test purposes. It causes lots of bells to ring worldwide and unnecessary worry. Finally, don't post rare call signs to thank someone for receiving a QSL etc. Those watching the cluster do not appreciate this type of boasting.

Digital Operations: RTTY hasn't died but activity except during RTTY contests is fading. WSJT-X is often the dominant DX mode with sometimes 75% of all DX activity. WSJT-X is managed by K1JT and his development team. It can often decode signals that are barely audible. FT8 sensitivity is up to 10 dB better than CW. The developers of WSJT-X have just announced availability of candidate release WSJT-X 2.6.0-rc5. General availability release 2.6 is likely early in 2023.

FT8 can be a band opener during times of poor propagation. It also allows smaller stations to participate in DXing. The use of a Panadapter is highly recommended and assists in observing where the activity is concentrated. A recent mode known as Q65 became available. It is highly recommended for EME, ionospheric scatter, and other weak signal work on VHF, UHF and the microwave bands.

According to mode analysis by Club Log, FT8 was often the dominant DX mode at 75-80% of communications outside of contests and during weekly CW Ops Tests (CWT). DXpeditions often use the F/H (Fox and Hound) split frequency mode several KHz above or below the normal FT8 channels.

Operating FT8 has a learning curve. Since most of the activity on the channel is displayed, it is fun to see many well-known DXers now operating FT8.

DX Contesting: DX contests as usual were everywhere this year and lit up the sometimes quiet bands using CW, SSB and digital modes. CWops have been busy all year and were honored to receive the Yasme Excellence Award.

Early reports are that it was a normal contest year with greatly increased 10 meter DX activity especially from October through December. The WA7BNM Contest Calendar is a great source of contest activity. The ARRL Contest Update is a monthly newsletter that often has interesting tidbits on upcoming contests and operating etc. Remember that contesters should stay healthy so you can operate long hours of continuous activity in the contest. The next Contest University (CTU) is scheduled for the Hamvention in May 2023.

When spotting DX on the DX Clusters, make sure to show mode of operation such as CW, SSB, FT8, FT8/F/H especially when the frequency spotted is not in the expected frequency spectrum. Please don't ask for skeds etc. Most DXpeditions aren't watching the DX Clusters.

DXCC and ARRL Matters: There are many interesting resources on the ARRL website including Contest Update the K7RASolar Update the DX Bulletin and The Propagation Forecast Bulletin. They are worth checking out on a regular basis. The ARRL DXCC List is a very helpful publication for DXers and is available at a cost of less than \$6.00. New publications were published in 2022 which were primarily aimed at improving technology and assisting newcomers to the hobby such as licensing manuals. The 100th edition of the ARRL Handbook was substantially revised. The ARRL QSL bureau is another service for ARRL members.

LOTW (Logbook of the World) is operated by ARRL and is becoming very popular worldwide. It now has over 1.6 billion records with over 165,000 users. Contacts are constantly being uploaded. You can check out if your QSO has been logged on LOTW.

There are now over 1,600 persons that have qualified for the top of the ARRL DXCC-Honor Roll. Over 220 persons have reached the ARRL DXCC Challenge 3,000 level. You can

see the latest ARRL DXCC Standings here. Participants in ARRL contests using the low power category will now be limited to 100 Watts (instead of 150 Watts).

Finally, reports in the news media tell us that Bougainville, an autonomous region in Papua New Guinea (P29), has voted to become an independent nation in 2027. If this happens, it could be added to the active DXCC list.

QSLing: Postage costs and shipping costs have gone through the roof. USA rates are increasing in January 2023 and also in other countries. DXpeditions are often asking for \$3.00 and sometime up to \$5.00 for a QSL confirmation. A few countries are still not accepting mail. The USPS announced in mid-December that it is temporarily suspending mail service to over 15 countries. Paper QSLs can often be ordered either by email, web sites or several OQRS services (Online QSL Requests Service). Paper QSLs are becoming a lost art form. LOTW can often be used by those operators who don't require a paper QSL.

Club Log is also a great resource for log checking and QSLing info especially OQRS. Some DXpeditions upload their logs often so you can verify your QSO and hence eliminate duping. Nowadays most contests require log submission to the contest sponsor shortly after the contest is over.

Technology: The state-of-the-art is constantly improving our equipment. Receivers and transceivers are becoming more sophisticated and can better handle strong signals both with improved filtering and software. It is interesting to note that this is the 75th anniversary of the invention of the transistor which had a profound effect on the design of our receivers and transmitters. More vacuum tube power amplifiers are being replaced with solid state amplifiers.

Accessories are a necessary part of operating. Nowadays building is often being replaced by buying. Many commercial sources are available. Likewise electronic flea markets and Hamfests are often a great source of inexpensive equipment and accessories.

One of the areas constantly changing is antennas. As solar cycle 25 continues its rise more emphasis will be concentrated on gain and multiband antennas for the upper HF bands. These antennas do not need to be as large and placed as high as antennas in the lower HF region.

Variations of hex and spider beams are now becoming common since they are relatively small. These antennas are already being widely used by recent DXpeditions. Even a simple half wave dipole at 25 feet AGL or higher can be very effective on the upper HF bands. Remember to keep transmission lines losses low since coax losses increase as frequency increases.

Another technical subject is the problem of RF feedback, powerline radiation and radiation from antenna feedlines. These are discussed in detail in ref. 2 and ref. 3. Recent videos and papers by N6MTS are very informative in describing how to use a vector network analyzer such as the NanoVNA to check out the performance of common mode current chokes (check the Internet).

A more recent area of concern is RFI from the switching power supplies used on solar power arrays and is addressed in ref. 4. A new solar power array installation nearby my home has severely impacted my operating and overloading large sections of the HF spectrum, especially 30 meters. Thus, it is limiting my weak signal operation.

RIB (Rig in a Box) is now being tested and upgraded by C6AGU/AA7JV. This is a small remote station that can be left on land when there are environmental restrictions. It is operated remotely from a boat or via the Internet.

IOTA: Poor radio propagation and CV just about shut down travel to most rare and new IOTA (Islands on the Air) activity. A few exceptions were RI50WS (AS104), K7K (NA070), RI0QQ (AS092), P29RO (OC240), XF1S (NA169) and S21DX (AS140). The IOTA website is www.iota-world.org. An IOTA dinner will be held in Visalia in April 2023.

YOTA (Youngsters on the Air): This is very important for the future of our hobby. Many operators are allowing youth to operate from their own station especially during the SSB contests, on the digital modes such as FT8 and some even on CW. Several groups have introduced CW training such as CWops with CW Academy, the Long Island CW Club and K1USN that transmit slow speed CW for practice.

December this year was designated YOTA month with numerous stations sporting call signs with YOTA from around the world. Several scholarships are now available to youth under 25 years of age such as WROF, NCDXF, the ARRL Foundation and ARISS. YOTA camp is scheduled for July 16-21, 2023 in Ottawa, Canada.

Safety: This can never be stressed enough. With many hams confined to working at home there is a need for antenna and tower repair. As hams are aging, it is most important to employ professional expertise for antenna work especially when tower climbing is required. Climbing harnesses are mandatory and should never be disconnected from the tower. Old school safety belts are no longer considered safe.

Silent Keys (SK): This is always a tough subject to discuss. The CV pandemic has also been a factor. Many prominent DXers and major contributors to our technology and success of our hobby have died this past year, some from CV. The Silent Key listing in the latest QSTs has recently decreased but I wonder if this is due to under reporting.

The following is a partial list of SK DXers and others that contributed to our hobby. They are generally listed in the order as they have departed us during this past year: F2YT, XW1A, W7CD, YV1OD, JH1AJT, DL7UXG (DXNL), KC6AWX, W7LR, W3TMZ, OK1RD, LA1EE, G3LIK, G3SXW, DJ9ZB, RZ3CC, DL1DA, V31MD, HI8X, CO2LP, HZ1AN, UA0SE, K6TA, K2QMF, GI4FUM, W4EA/W4ETO (ETO), HS1YL, ZL1AIH, UT5UGW, W2HD, CN8KD, W9WU, K7NV, DJ2BW, EA5BYP, OH5NQ, V85SS, UR8GX, G3JUL, W1YL, AA5B, W7OM, N6OJ, K5YJ and W9EVT.

And now the Drum Roll: DX is still affected by travel restrictions due to CV. There were approximately 70 entities that were NOT believed to have been active during 2022*.

Africa (19): 3B6, 3C0, 3Y/B, 9Q, 9U, E3, FT/G, FT/J, FT/T, FT/X, FT/Z, S9, TJ, TN, VK0/H, VQ9, ZD8, ZD9 and ZS8.

Antarctica (1): 3Y0/P.

Asia (10): 1S, A5, BQ9P, BS7H, EZ, P5, T6, VU7, XU and YK.

Europe (2): 1A0, and R1F.

North America (9): CY0, CY9, FO/C, KG4, KP1, KP5, TI9, XF4 and YV0.

Oceania (21): 3D2C, C2, E6, FK/C, H40 (Temotu), KH1, KH3, KH4, KH5, KH7K, KH8/S, KH9, T2, T30, T31, T32, VK9M, VP6D, ZK3, ZL8 and ZL9.

South America (8): CE0/X, CE0Z, HK0/M, PY0/S, PY0/T, VP8/G VP8/O and VP8/S.

*Please note that some rare entities may not be on this list for 2022 because operations were short, set up schedules or only on VHF, EME (Earth-Moon-Earth) etc.

Those DXCC entities that are not believed to have been activated in ten (10) or more years have increased and now includes: 3Y/B, 3Y/P, BQ9P, BS7H, CE0X, EZ, FT/G, HK0M, KH3, KH7K, KH8S, KP5, YK, YV0 and ZL8. This means that an avid DXer working hard at DXCC may take well over 10 years to make it to the DXCC Honor Roll. This list also serves as a guide to those planning DXpeditions to rare entities. As for me, the top of my need list for the DX Challenge has not changed in many years and not surprisingly goes to P5, BS7H, FT/W and BQ9P in that order.

Upcoming DXpeditions: The 3Y0J DXpedition to Bouvet Island is planned by a Norwegian group in January 2023. CY0 (Sable I.) is hoping to be QRV early in March 2023. Also, TN, 9U, 3B7, 1S and others are all promised for early in 2023 but delays to some of these have already been announced.

Remember to stay tuned and check the www.ng3k.com/misc/adxo.html for future operations.

Looking ahead to 2023 and Beyond: As stated above, solar cycle 25 should be really cranking up in 2023. DX has really changed in the last few years with FT8. Some DXers chase the ARRL DXCC Honor Roll, the DXCC Challenge or the CQ DX Marathon. Well over 1,600 DXers worldwide have confirmed all 340 on the present DXCC entities list. More than 230 DXers have now achieved the very difficult DXCC Challenge 3000 level. Fernando, EA8AK now has an amazing 3271 entities and still leads the DXCC Challenge.

It's time to improve or repair if necessary, your 10 thru 15 meter antennas as well as keeping your 80 and 160 meter antennas in repair. Then there are the never-ending DX Contests, DX Marathon, DXCC Challenge and IOTA chasing. There are lots of things to do. Don't let the airways slow down for lack of activity. HF radio conditions on the higher HF bands are improving. Try to stay active and join the fun. Also don't forget to support the various DX foundations around the world that help make DXpeditions possible!

Finally: We hope this review has been informative especially for historical purposes. I have tried to rearrange the subjects this year. Any suggestions are appreciated. Most prior year editions can be viewed on the “K8CX Ham Gallery.” They are listed on the Table of Contents.

Once again, I am honored to be asked by Bernie, W3UR to write this review for the 18th year and for his valuable inputs and help. Thanks also to John, K9EL for his inputs and especially to Frank, W3LPL for his many helpful comments and inputs. Finally, thanks to my son Jim, AD1C for his computer help!

Happy New Year and best of DX in 2023.

73, Joe Reisert, W1JR

NOTE: Obviously all the opinions etc. expressed are solely mine as are any errors that I have made. This End of Year Review is copyrighted. Therefore, copies or use of this review MUST first be approved by Bernie, W3UR and then a courtesy copy of the reprint sent to Joe@Reisert.org.

References:

1. “F-Region Propagation and the Equatorial Ionospheric Anomaly” by K6MIO
2. “Common-Mode Chokes” by W1HIS
3. “A Hams Guide top RFI, Ferrites, Baluns, and Audio Interference” by K9YC
4. “Can Home Solar Power and Amateur Radio Exist” by K1KP, QST, April 2016.

DAH DIT DIT DIT DAH DAH DIT DIT DIT DAH

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:

9A – Croatia - NF4A, Charlie, plans to be back in Croatia starting February 28th in preparation for the ARRL International SSB DX Contest. He will team up with the 9A1A multi-multi team on March 4 and 5. Leading up to the contest he will be operating from the 9A1A club station at Jarun in Zagreb using his 9A5PC callsign. All QSOs will be uploaded to LoTW upon his return home. QSL via NF4A and LoTW.

DU – Philippines - SP5APW, Jacek, is planning to be QRV as DU1/SP5APW from two IOTA groups between March 9th and 26th. First stop will be from Marinduque Island (OC-244) from March 9-14 followed by Calayan Island (OC-092) from March 18-26. He'll have an IC-7300 and

FT-857D running 100 watts into a wire antenna and a three element Yagi on 6 meters. Activity will be on SSB and FT8 on HF and Digital on VHF. QSOs will be uploaded to Club Log and LoTW. QSL via SP5APW using OQRS on Club Log. He has a website at OC-092.blogspot.com

ZD7 - St Helena Island DK7MG, Andy, along with his wife, will be on St. Helena Island from Saturday February 11th to Saturday February 25th. While there he plans to operate from at least one of the following summits (SOTA). Diana's Peak (ZD/SH-001), White Point (ZD/SH-002), Flagstaff Hill (ZD/SH-003) and The Haystack (ZD/SH-004). During these operations he'll be signing ZD7MG/p and on CW only. He'll be using a KX2 (10 watts max) and maybe an MX-P50M amplifier (about 40 watts). During the day he will most likely be found on 15 or 17 meters using verticals. He is hoping to have ZD7CTO, Derek, go with him to some of the SOTA.

3B9 - Rodrigues Island - HB9FHV, Richard, is located on St. Francois beach on the east end of Rodrigues Island until February 2nd. He's running 200 watts from a KX3 and RM HLS300 amplifier as 3B9/HB9FHV/P. He has a dipole for 40, 20 and 15 meters. Listen for him on 20 meters SSB. QSL via QRZ.com and eQSL.

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. 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!

Date(s)	Event	Info
Feb. 8	VHF-UHF FT8 Activity	www.ft8activity.eu/index.php/en
Feb.11	FISTS Winter Saturday Sprint	www.fistsna.org/operating.html
Feb. 11	Asia-Pacific Spring Sprint (CW)	http://jsfc.org/apsprint

Feb. 11	RSGB 1st 1.8 MHZ Contest CW	http://bit.ly/3TxCrxl
Feb. 11-12	CQWW RTTY WPX Contest	www.cqwprrty.com
Feb. 11-12	Dutch PACC Contest	http://pacc.veron.nl
Feb. 11-12	KCJ Topband Contest	www.kcj-cw.com/e_index.htm
Feb. 11-12	OMISS QSO Party	www.omiss.net/Facelift/qsoparty.php
Feb. 11-12	SARL Field Day Contest	http://bit.ly/H0IqQf
Feb. 11-13	YL OM Contest	https://ylrl.org/wp/yl-om-contest
Feb. 12	CQC Winter QSO Party	http://bit.ly/2Qayte1
Feb. 13-17	ARRL School Club Roundup	www.arrl.org/school-club-roundup
Feb. 14	PODXS 070 Club Valentine Sprint	http://bit.ly/2Rp8LTk
Feb. 15	AGCW Semi-Automatic Key Evening	www.agcw.de/contest/sta
Feb. 15	RSGB 80m Club Championship, DATA	http://bit.ly/3TxCrxl
Feb. 15	VHF-UHF FT8 Activity	www.ft8activity.eu/index.php/en
Feb. 18-19	ARRL CW DX Contest	www.arrl.org/arrl-dx
Feb. 19	FISTS Winter Sunday Sprint	www.fistsna.org/operating.html
Feb. 22	UKEICC 80m Contests CW	https://ukeicc.com/80m-rules.php
Feb. 23	RSGB 80m Club Championship, CW	http://bit.ly/3TxCrxl
Feb. 24-26	CQWW 160M SSB Contest	www.cq160.com/rules.htm
Feb. 25-26	Hiroshima Worked All Squares	www.hs-contest.org
Feb. 25-26	REF SSB Contest	https://tinyurl.com/p4bbva92
Feb. 25-26	South Carolina QSO Party	http://scqso.com
Feb. 25-26	UBA CW DX Contest	http://bit.ly/W0gZiE
Feb. 25-26	North American RTTY QSO Party	http://ncjweb.com/nagp
Feb. 26	High Speed Club CW Contest	www.highspeedclub.org
Feb. 26-27	North Carolina QSO Party	http://ncqsoparty.org/rules
Feb. 27	RSGB FT4 Contest Series	http://bit.ly/3TxCrxl

ARLD005 DX news

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

BOUVET, 3Y. A large group of operators will be QRV as 3Y0J. Activity will be on 160 to 10 meters using CW, SSB, and FT8 F/H. QSL via M0OXO.

TIMOR-LESTE, 4W. Satoshi, JH2EUV is QRV as 4W/JH2EUV until March 3. Activity is on 40 to 10 meters using FT8. QSL to home call.

SAMOA, 5W. Operators Pista, HA5AO, George, HA5UK and Paul, W7IV are QRV as 5W0DX from Savai'i Island, IOTA OC-097, until February 28. Activity is on 80 to 10 meters using CW, SSB, RTTY, and FT8 with three stations. QSL via operators' instructions.

SENEGAL, 6W. Willy, ON4AVT will be QRV as 6W7/ON4AVT from Warang from February 6 to March 31. Activity will be on 80 to 10 meters using SSB and various digital modes. This includes being active on Satellite QO-100. QSL to home call.

KUWAIT, 9K. Special event station 9K9NLD is QRV until February 28 to commemorate Kuwait's National Liberation Day. QSL via operators' instructions.

EAST MALAYSIA, 9M6. Operators 9M8LJW, 9W8VYY, 9W8AKN, 9W8ZAL, 9W8ERY, 9W8EDY and 9W8AAZ are QRV as 9M8SOTA from the mountains in Sarawak. Activity is on 80 to 10 meters, including 60 meters, using CW, SSB, and FT8. Their length of stay is unknown. QSL via LoTW.

NEPAL, 9N. Robert, S53R is QRV as 9N7AA from Kathmandu and is active on 30, 12, and 10 meters. He has been active using FT8 on 30 meters between 1100 to 1400z. QSL direct to S57DX.

BURUNDI, 9U. Elvira, IV3FSG and Vladimir, OK2WX will be QRV as 9U5R and 9U4WX, respectively, from February 4 to 27. Activity will be on 80 to 6 meters using CW, SSB, and various digital modes. QSL 9U5R via IK2DUW and 9U4WX via IZ8CCW.

THE GAMBIA, C5. Andre, ON7YK is QRV as C5YK from Bijilo until February 24. Activity is on 20 to 10 meters using all modes. QSL direct to home call.

WALLIS AND FUTUNA ISLANDS, FW. Jean-Gabriel, F4CIX, is QRV as FW1JG and expects to be here until January 2024. He is active on 40 to 6 meters using SSB and FT8. QSL via LoTW.

PANAMA, HP. Members of the Panama Radio Club are QRV with special event call sign 3E30PCARA during February to celebrate its 30th anniversary. QSL to address on QRZ.com.

OGASAWARA, JD1. A group of operators will be QRV as JD1YCC from Chichijima, IOTA AS-031, from February 7 to 13. Activity will be on 2 meters, 70 centimeters, and 23 centimeters with EME. QSL via LoTW.

US VIRGIN ISLANDS, KP2. Gene, W8NET, will be QRV as N8N from St. Croix, IOTA NA-106, from February 6 to 10. Activity will be on 80, 40, 20, 17, and 10 meters using SSB and FT8. He plans to activate three POTA locations while there. QSL direct to home call.

BRAZIL, PY. A number of operators are QRV as ZX89L until February 15 to celebrate the 89th anniversary of the founding of LABRE. QSL via LoTW.

SEYCHELLES, S7. Peter, G4HSO is QRV as S79/G4HSO until February 21. He is active from 3 different locations. Activity is holiday style on the HF bands using CW, and the mode VarAC. QSL via LoTW.

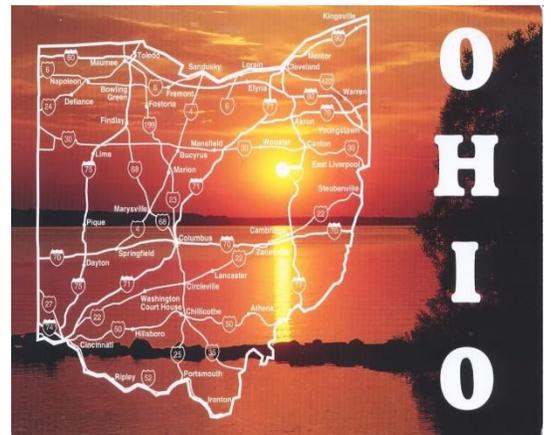
ANTIGUA AND BARBUDA, V2. Greg. N9GB will be QRV as V26DX from Antigua, IOTA NA-100, from February 9 to 16. Activity will be holiday style during his evenings on 40 to 6 meters using CW, SSB, and some FT8. QSL via EB7DX.

The K1USN Slow Speed CW Test, ICWC Medium Speed CW Test, OK1WC Memorial, RSGB 80-Meter SSSB Club Championship, Worldwide Sideband Activity Contest, ARS Spartan CW Sprint, NAQCC CW Sprint, QRP 40-Meter CW Fox Hunt, Phone Weekly Test, A1Club AWT, CWops Test, VHF-UHF FT8 Activity Contest, Mini-Test 40 and Mini-Test 80 are scheduled for February 6 to 8.

Please see February QST, page 69, and the ARRL and WA7BNM Contest web sites for details.

Upcoming *Hamfests*

We **DO** have some hamfests scheduled for 2023!! Yes, take a good look at the list. And YES! They are starting to book up for 2023 already!



<p>03/11/2023 - MOVARC Hamfest Location: Bidwell, OH 45614, OH Sponsor: Mid-Ohio Valley Amateur Radio Club Learn More</p>	<p>03/12/2023 - Winter Hamfest Location: Elyria, OH Sponsor: Northern Ohio Amateur Radio Society Website: http://winterhamfest@noars.net Learn More</p>
<p>03/19/2023 - Toledo Mobile Radio Association Hamfest Location: Perrysburg, OH Sponsor: Toledo Mobile Radio Association Website: http://www.tmrahamradio.org Learn More</p>	<p>04/15/2023 - Cuyahoga Falls Amateur Radio Club Hamfest Location: Cuyahoga Falls, OH Sponsor: Cuyahoga Falls Amateur Radio Club, Inc. Website: http://www.cfarc.org Learn More</p>
<p>04/22/2023 - Tusco Amateur Radio Club Hamfest, Electronics, and Computer Show Location: Dover, OH Sponsor: Tusco Amateur Radio Club W8ZX Website: http://www.w8zx.net Learn More</p>	<p>04/30/2023 - Athens Hamfest Location: Athens, OH Sponsor: Athens County Amateur Radio Association Website: http://www.ac-ara.org/ Learn More</p>
<p>05/07/2023 - Lucas County Amateur Radio Emergency Service Trunk Sale and Swap Meet Location: Toledo, OH Sponsor: Lucas County Amateur Radio EmergencyService Website: http://swap.lucasares.org Learn More</p>	<p>05/13/2023 - 05/17/2023 RV Radio Network Location: Berlin, Ohio, OH Type: ARRL Operating Specialty Convention Sponsor: RV Radio Network Learn More</p>

<p>05/19/2023 - 05/21/2023 Dayton Hamvention Location: Xenia, OH Sponsor: Dayton Amateur Radio Association Website: http://Hamvention.org Learn More</p>	
<p>05/27/2023 - Scioto Valley Amateur Radio Club Hamfest Location: Piketon, OH Sponsor: Scioto Valley Amateur Radio Club Learn More</p>	<p>07/08/2023 - Mansfield Trunkfest 2023 Location: Mansfield, OH Sponsor: Intercity Amateur Radio Club Website: http://iarc.club Learn More</p>
<p>07/16/2023 - Van Wert Hamfest Location: Van Wert, OH Sponsor: Van Wert Amateur Radio Club Website: http://w8fy.org Learn More</p>	<p>08/12/2023 - Cincinnati Hamfest Location: Owensville , OH Sponsor: Milford ARC Website: https://CincinnatiHamfest.org Learn More</p>
<p>08/20/2023 - WARA Tailgate Swap Meet Location: Cortland, OH Sponsor: Warren Amateur Radio Association Website: http://w8vtd.org Learn More</p>	<p>09/24/2023 - Cleveland Hamfest Location: Berea, OH Sponsor: Hamfest Association of Cleveland Website: http://www.hac.org Learn More</p>

TUSCO AMATEUR RADIO CLUB'S 2023 HAMFEST, COMPUTER & ELECTRONICS SHOW

Saturday April 22, 2023

Tuscarawas County Fairgrounds

259 S. Tuscarawas Ave, Dover, OH 44622 *Enter through Tusc. Ave. gate*

Talk/Check In: W8ZX on 146.730 PL: 71.9 (Disabled during Hamfest)

Main Door Prize: Yaesu FT-891 All Mode HF + 50MHz Transceiver

Includes RT Systems ADMS-891-USB Programming Kit



Admission: \$5.00 Donation at the door

Presale: One admission ticket @ \$5 + extra prize tickets as you wish @ \$4 for one, \$6 for two, or \$10 for three, or multiples thereof. Any request received after April 1, 2023 will be held for pick up at the door. Winners MUST be present for door prizes; main prize can be sent.

Tables: \$10.00 Plus Admission

Open: 6:00 am for set-up, 8:00 am to 1:00 pm for public

FREE close parking available



DEALERS WELCOME!

Door Prizes

****120 Volt power available (Please bring your own extension cords)****

A SELF ADDRESSED, STAMPED ENVELOPE MUST BE RECEIVED BY APRIL 1, 2023 TO ENSURE THE RETURN OF A RESERVATION CONFIRMATION. RESERVATIONS MUST BE PAID IN ADVANCE!

Check out our web page! www.w8zx.net

Find our group on Facebook!

For additional information and / or to reserve tables please contact:

Rick Dingman KE8URA 330-934-0575 or Cindy Gray KE8JNN 330-340-4946

Or Email: w8zx@n8bag.net

Mailing address for presale reservations: Rick Dingman KE8URA 303 N. 5th St. Dennison, OH 44621

OHIO'S



Boy am I glad to get January behind me, but with income tax preparations and getting the planning for things at the farm underway I'm really not looking for February to be much better. However with February being a few days shorter than others and with some clubs already making Hamvention and Field Day plans the remaining Winter days will at least seem shorter and not that many.

I spent some time passing out some contacts during the recent Winter Field Day while looking for some participating stations from this part of the state. There seemed to be a reasonable number of stations on the air and conditions good. I even noted some ten meter FM activity. The most unusual contact was a station in New York who was set up in a park. His shelter was a tarp on the ground and another tarp draped over him and the equipment. Talk about roughing it!



Eric McFadden, WD8RIF, provided a nice report about the WFD activity the **Athens County ARA** had operating from the Red Cross Building in Athens. They spent all 24 hours on the air even tho the overnight shift tended to be lonely. A total of 343 contacts made it into the log. Thanks to Eric for providing the photos.



The last time out it was mentioned at least one new ham license was in the works waiting for the FCC's holiday shutdown applications backlog to get caught up and a license issued. Well that has now happened and a big shout out goes to Matthew McCutcheon of Hillsboro. Matt now holds a KE8WKK call sign and has already been on the air. We also have learned that Tobias Coey of Athens is now KE8WJJ.

The **Fayette ARA** recently held their monthly breakfast gathering at the Tim Horton's in Washington CH and welcomed a delegation of six members from the **Highland ARA** who traveled to Washington CH to show their support as FARA tries to get back on track following its shutdowns of gatherings during COVID. Jeff Dreher, KE8DVH, announced the next gathering will be on Saturday morning, February 18 at the Tim Horton's. It starts at 10 AM.

On Saturday, February 11 the **OHKYIN ARC** will observe the 12th Anniversary of their monthly Brunch Bunch gathering. It will be at the Price Hill Chili in Cincinnati and starts at 1 PM.

Thanks to Devin Spielman, KE8PEQ, for letting us know the **OHKYIN ARC** re-elected the 2022 officers for another term. Those returning are: President, Ryan Owens, AC8UJ; Vice President, Cesi DiBenederri, KD8OOB; Secretary, Steve Case, N8PUP; Treasurer, Drad Hast,

KE8JTM; and directors Drew MacDonald, KE8JTL and Dennis McGrath, KD8ILY. Bruce Vanselow, N8BV will serve as a director and Trustee.

Although classes have been underway for a couple of weeks, it may not be too late to join the Technician License class being conducted by the **Athens County ARA**. The classes are being held from 7 until 9 each Monday evening through March 20 at the Red Cross Building in Athens. There is no fee for the class but please contact Jeff Slattery, N8SUZ, at 740-541-0972 or n8suz@arrl.net first. An ARRL VE session will be on March 20.

Beginning Monday, February 6 the **Queen City Emergency Net** and the **OHKYIN ARS** will co-sponsor a weekly ham radio class. There are six classes running through March 13 with three requiring in-person attendance and three will be conducted on-line. The in-person ones take place at the Greater Cincinnati Red Cross Building on Dana Avenue. Instruction will cover entry level licenses as well as upgrades to General. With the exception of the appropriate *ARRL License Manuals*, the class is free. For more information check out www.hamtutor@ohkyin.org.

Speaking of classes and tests, two other Southern Ohio clubs have announced their first test sessions for the New Year. According to VE Team Leader John Harmus II, WB8GRX, the **Scioto Valley ARA** will conduct a test session on Saturday, February 18 Pre-registration is requested for the session that will begin at the Ross County Service Center in Chillicothe at 9 AM. Tom Mongold, Jr., KD8LDS, has posted a pre-registration for the March 18 **Highland ARA** session at the Highland County EMA Office in Hillsboro. Pre-registration is requested at <https://www.10C0D48ADAC23A7FEC16-hara9>, but walk-ins will be accepted if space is available. As mentioned above, on March 20 the **Athens County ARA** will hold a session following the conclusion of their license class in Athens. The **Milford ARC** and the **Portsmouth RC** hold test sessions prior to their monthly business meetings. For the MARC that is on the third Thursday of the month at the Miami Township Civic Center at 6 PM and for the PRC it is the first Monday of each month at the Portsmouth American Legion Post.

Newly elected **Highland ARA** President Ken Lightner, KE8JEL, reminds hams in the Highland County area of a couple upcoming club events. On Saturday morning, February 11, the monthly Brunch Bunch gathering will take place at the Hillsboro Burger King beginning at 10 AM. Then on Valentine's Day, HARA members can take their "sweeties" to the Club's business meeting. It starts at 7 PM at the Highland County EMA Office in Hillsboro.

After hearing very positive reports about the recent **Sunday Creek ARF** hamfest, there seems to be an up tick in hamfest interest in general. And that is important as it may mean larger attendances. Since hamfests are usually the major source of income for clubs holding them, the larger numbers of people through the doors (as either vendors or lookers) is most important. On March 11 the **Mid Ohio Valley ARC** will hold their annual hamfest at the Fellowship of Faith Church at Bidwell. We're hoping to receive more information about this show to share with you.

We've been hearing reports of a number of area hams planning to head to Florida for the annual Orlando HamCation show starting February 10. N8ZNR and I have been to it a number of times and as long as the weather is good we find it to be worth the trip. I believe it to be the second

largest ham gathering East of the Mississippi. If you enjoy HamVention© I'm certain you will enjoy the Orlando show.

If the trip to Orlando is a bit far, a good and friendly hamfest will be in Cave City, KY on March 4. Sponsored by the **Mammoth Cave ARC**, the doors of the Cave City Convention Center open at 7:30 AM Central Time. Admission is \$5. The indoors exhibit area is usually filled with all kinds of equipment and if the weather is half-way decent, there are a number of vendors that set up under the outdoors pavillion. It is easy to get to as it is less than a mile from the I-65/Cave City interchange with several hotels within a mile.

Although it's a few weeks away and not in the usual coverage area for this column, the **TUSCO ARC** hamfest will be held at the fairgrounds in Dover on April 22. This is their first one since 2019 and the first time held at the fairgrounds. I personally haven't been to it, but I'm told it is worth making the trip. Again a few weeks away (but in the South 40 area) is the April 30 **Athens County ARA** Hamfest in Athens at the city recreation center. It might be wise to go ahead and mark your calendar because it is always a good one.

Tickets to the annual **Southwest DX Association's** 38th annual DX dinner are now on sale. It will be held during Hamvention® on Friday, May 19 at the Dayton Marriott. A cash bar starts the evening's activities at 5:30 PM with dinner served at 7. This year's keynote speaker will be Adrian Ciuperca, KO8SCA. Adrian is a well-known DXer and a part of the international team presently underway to spend 22 days on the South Atlantic island of Bouvet. This 3Y0J DXpedition to the world's most remote island is anticipated to put the second most needed country by DXers on the air. Check out the www.swodxaevents.org website for more information and how to order your tickets.

SWODXA's Bill Salyers asks "have you ever thought of being DX instead of just working DX?" If so, here's an opportunity to be the chassee instead of the chasor and spend a week signing a VP5 call sign from a fully equipped station at the Harbour Rock Villa in the Turks and Caicos Islands. This is compliments of the SWODXA who is currently selling 500 raffle tickets for some lucky ham to have the experience. Check the Club's website for the low down on how you might win the opportunity to spend a week in an amateur radio paradise. The winner will be announced at the May 19 DX Dinner during Hamvention.

For the convenience of its members the **Queen City Emergency Net** delayed its January meeting to coincide with Winter Field Day and held it the morning of the event's start. On the agenda was the election of the officers to serve during 2023. According to Tom Delaney, W8WTD, the 2022 officers were mostly held over to serve in 2023. Delaney will again serve as the Club president with Bob Garfield, W8MRG as the vice president. Rob Blocher, N8JMV, returns as the secretary and Bob Bross, W8NFM, will handle the money. Richard Turner, KA8HXR, and Francis Smith, N8PEE are directors. The Club also has a Communications Manager who is Steve Lewis, N8TFD. Tom also noted the Club logged more than 450 contacts during the Winter Field Day operation.

Jerry Lockhart, W8HIC, reminds us the **Portsmouth Radio Club** will meet at the American Legion Post 23 (across from the courthouse) in downtown Portsmouth on Monday evening, February 6. The meeting will be preceded by a Laurel VE session at 5 PM with the business meeting will beginning around 6:30. Any amateur in the Scioto County area is urged to attend. Michael Love reminds amateurs in the Ironton/Lawrence County area of the monthly meetings and test sessions of the **Southern Ohio ARA**. They occur on the third Monday of each month at the Lawrence County Joint Response Center. Testing begins at 6 PM with the business meeting to start around 7.

Through Highland County EMA Director Dave Bushelman we learn the Wilmington National Weather Service Office will be conducting a mix of virtual and in-person weather spotting classes this Spring. Although the dates and times for the in-person classes have not been finalized, the dates for the virtual ones will be February 22, March 7 and May 2. Wilmington NWS Storm Warning Meteorologist Brandon Peloquin states more information and registration for these sessions are currently available on the Wilmington NWS website at <https://www.weather.gov/iln/spottertrainingschedule>. Anyone whom has participated in one of Brandon’s training sessions knows his presentation is excellent and well attended.

Thanks to David Bushelman, Tom Delaney, Jeff Dreher, John Hartmas II, Ted Jacobson, Ken Lightner, Jerry Lockhart, Michael Love, Eric McFadden, Tom Mongold, Jr., Bill Salyers, Jeff Slattery and Devin Spielman, for their contributions to this week’s column.

Please remember, if it’s an amateur radio event, club happening or newsworthy item taking place in the Southern Ohio region-IT’S NEWS TO US! Keep those items coming in.

Until next time, have a great February and remain radio active.

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

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

!!!! I would really like to hear from as many of you as possible. How about going to <http://arrl-ohio.org> and giving me a click? (It’s in the bottom left corner of the page) While you’re there, you can click the Big Red Arrow to enter into this months Handbook Giveaway!



This weeks Question:

Outside of ARRL and Club dues, how much do you estimate that you donate to Ham Radio activities and organizations on an annual basis?

- A) Less than \$100
- B) \$101 - \$500
- C) More than \$501

From last weeks question:

When you travel, do you ever visit the local club meetings?? OUT OF A TOTAL OF ONLY 49 VOTES – 35% YES (17) AND 65% NO (32)

AND THE WINNER OF THE JANUARY 2023 HANDBOOK GIVEAWAY IS W8MSW!
CONGRATULATIONS!

Ohio Section Cabinet

Section Manager – Tom Sly, WB8LCD	Section Traffic Manager – David Maynard, WA3EZN
Section Emergency Coordinator – Bret Stemen KD8SCL	Section Youth Coordinator – Anthony Luscre, K8ZT
Technical Coordinator – Jeff Kopcak, K8JTK	Affiliated Clubs Coordinator – Amanda Farone – KC3GFU
State Government Liaison – Bob Winston, W2THU	Public Information Coordinator – Elizabeth Klinc - KE8FMJ



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@arrloho.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://arri-ohio.org/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! Occasionally you may find an error or two in this newsletter – be assured, they were put there on purpose to make sure you’re reading the newsletter carefully!