



“December 9th, 2024”

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CQ CQ CQ de WB8LCD

As far as I'm concerned, 2024 has just been a BLIP on the radar screen! It's fast coming to an end. Every year in January, I ask you all to set up some personal Ham Radio goals for yourselves. Now's the time to put the "pedal to the metal" and finish up – before the year is gone. Remember, antenna projects completed under cold, snowing, icy conditions *always* result in better SWR's and gain exactly in the direction of that "rare one" that keeps eluding you. Just work safely according to the conditions.... How about those long evenings? Get your butt in the chair and get on the air!

Don't worry. Come the first newsletter in January I'll have a few suggestions for your 2025 Ham Radio Goals.

This past year, I've managed to hit quite a few hamfests (including HAMVENTION! More on that later...) and one thing I've noticed is that a lot of the Hams out there look exactly like the guy pictured above, except for the red suit. There's a lot being said about bringing "youth" into the hobby. Youth is not a strictly defined term, so I think for most of us we could define it as anyone 55 and younger? Let's go with that for now. Perhaps we even need to break that up into some sub-categories. How about ages 6-16, 15-25, 25-40 and 40-55. That give us 4 distinct markets to recruit from, and each one of those will have a different approach that can be successful for us.

Everyone talks about getting the "youth" into the hobby, and I think most people immediately think of those bottom two segments. And please don't suggest that I think it's not important for us to market directly to them, it absolutely is! But who has the biggest influence on that group? Not us. It's the folks in that 25-40 and 40-55 group who are their parents and grandparents— and the holders of the family "cash" that would be used to support their participation in our hobby! From a marketing standpoint it's just as important to market to both groups to improve our success. We need everyone!

Let us know what you are doing to recruit new hams. Especially your success stories. I'd like to share them here.

Announcement: The Ohio ARES vhf simplex is back on for 2025! You don't need to be an ARES member to participate, and if you live just over the line in a contiguous state – please join us! Rules will be out shortly, but our contest will run concurrently with the ARRL VHF contest, but for only a few hours in the beginning of that contest. Logging and exchange will mimic the ARRL contest. We've tried to make it so that any contact you make for the Ohio ARES vhf simplex contest will also count for your participation in the ARRL contest! That makes it a WIN/WIN! Full rules will follow shortly.

Share the Magic of Radio.

73,

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



National News

(from ARRL and other sources)

Infineon Breaks New Ground with the World's Thinnest Silicon Power Wafer



image credit: [Infineon](#)

Infineon Technologies AG sets milestones after milestones with its silicon power wafers. A few months ago, the company announced a 300-mm Gallium Nitride wafer, which is the most advanced in the power electronics industry. Now, Infineon continues breaking new ground with a silicon-based power wafer, which is the thinnest ever produced. With a diameter of 300 mm and a staggering thickness of only 20 micrometers, these power wafers are twice as thin as the slimmest wafers produced to date and almost as thin as household-type aluminum foil.

But other than the obvious packaging advantages, is there any other benefit to thinner power wafers? Absolutely! Cutting the substrate lowers resistance, resulting in less power loss and huge efficiency gains. This quality of ultra-thin wafers will prove crucial in the latest AI data centers, where lowering the voltage from 230 V to 1.8 V is necessary. Infineon's ultra-thin wafers can greatly improve the overall efficiency of the data centers, and potentially improve performance as well. Infineon projects a reduced power loss by 15% in power systems, and reduced substrate resistance by 50%.

Of course, producing a thinner wafer has its challenges, mainly in terms of structural integrity. Infineon's engineers solved that with a unique wafer grinding solution, along with advanced wafer bow and wafer separation manufacturing techniques. Crucially, Infineon says that the 20-micrometer thin wafer can be seamlessly integrated into existing high-volume Si production lines, ensuring high yields, supply security, and low cost.

Infineon's latest power electronics innovation isn't just a concept – it has already been applied to the firm's DC-DC converters called Integrated Smart Power Stages, and delivered to customers. Not only that, but the company projects its ultra-thin wafers will replace existing wafers in the next three to four years.



In this week's newsletter, learn more about the [results of the agency's investigation into its Orion spacecraft heat shield](#) and updates on Artemis II and Artemis III; find out how to catch [December's celestial highlights](#), including Venus, Jupiter, and the

Geminid meteor shower; and discover how astronomers have used the unique capabilities of the Hubble Space Telescope to peer closer than ever into the throat of [an energetic monster black hole powering a quasar](#). Plus, more stories you might have missed.

MISSIONS

Artemis Moon Mission Updates



On Thursday, Dec. 5, NASA leadership discussed results of the agency's investigation into its Orion spacecraft heat shield after it experienced an unexpected loss of charred material during re-entry of the Artemis I uncrewed test flight. For the Artemis II crewed test flight, engineers will continue to prepare Orion with the heat shield already attached to the capsule. The agency also announced it is now targeting April 2026 for Artemis II and mid-2027 for Artemis III. The updated mission timelines also reflect time to address the Orion environmental control and life support systems.

“The Artemis campaign is the most daring, technically challenging, collaborative, international endeavor humanity has ever set out to do,” said NASA Administrator Bill Nelson. “We have made significant progress on the Artemis campaign over the past four years, and I’m proud of the work our teams have done to prepare us for this next step forward in exploration as we look to learn more about Orion’s life support systems to sustain crew operations during Artemis II. We need to get this next test flight right. That’s how the Artemis campaign succeeds.”

ORION HEAT SHIELD FINDINGS



MISSIONS

Artemis Campaign Updates

Artemis is the first step in the next era of human exploration. Together with commercial and international partners, NASA will establish a sustainable presence on the Moon to prepare for missions to Mars. NASA's Artemis blog is your source for launch updates and other mission operations.

[OFFICIAL NASA BLOG](#)

ARRL Student Membership

ARRL Student Membership was established to increase youth participation and long-term involvement in amateur radio. Student members can access ARRL membership benefits including the digital versions of ARRL magazines, and the extensive courses and training materials available through the ARRL Learning Center.

Please note: ARRL requires age verification for all student members. Parental/Guardian consent

is required for applicants under 18 years of age. Student memberships are not eligible for add-on printed membership magazine subscriptions. Student membership benefits are subject to other restrictions and exclusions.

Student Membership options:

- **Option 1: Full Student Membership.** Dues rate \$30 per year. This low-cost membership option is available to US Amateur Radio licensees under the age of 26 years. Applicant must be a resident of the US, its possessions, or Puerto Rico. A full member may vote in ARRL elections for Division Director, Vice Director, and Section Manager. Other restrictions and exclusions may apply.
- **Option 2: Free Student Membership.** This no-cost, Associate membership option is available to full-time students aged 21 years or younger. Applicant must be a resident of the US, its possessions, or Puerto Rico. Free Student Membership excludes access to the ARRL E-mail Forwarding Service, and Associate members may not vote in ARRL elections. Other restrictions and exclusions may apply.

Become an ARRL student member today!

To JOIN with a Student Membership - <https://form.jotform.com/241074273604047> **or**
To RENEW a Student Membership - <https://home.arrl.org/action/My-Account/Pay-Balances>

2025 Youth on the Air Camp Application Period Open

Applications are now being accepted for campers interested in attending the 2025 Youth on the Air Camp. Licensed amateur radio operators, ages 15 through 25, who want to attend are encouraged to apply online at YouthOnTheAir.org. The camp is scheduled to take place June 15 - 20, 2025, in Thornton (Denver), Colorado and the [Denver Radio Club](#), an ARRL Affiliated Club, is the local host.



The current application period is for the fifth camp for young amateur radio operators in North, Central, and South America. For the best chance at being selected, applications should be submitted by 2359Z on January 15, 2025. 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.

Applications will continue to be accepted through May 1 and up to 50 campers will be accepted. The application process is free, but a \$100 USD deposit is required upon acceptance. Should a potential camper be unable to pay the \$100 deposit, they may apply for a scholarship or waiver. Campers are also responsible for their own arrival and departure transportation to the camp location. Travel assistance may also be available, especially for those traveling from outside of the USA and Canada. Travel during camp events is provided.

For details about the camp, visit the camp web page at YouthOnTheAir.org or email Camp Director Neil Rapp, WB9VPG, at director@youthontheair.org.

Next weekend, the ARRL 10-Meter Contest begins on Saturday, December 14 at 0000 UTC (Friday evening in North America), and concludes on Sunday, December 15 at 2359 UTC. Stations may contact any other station, regardless of location, using CW and phone. All stations send a signal report. Stations located in the US and Canada (including Alaska and Hawaii) send their state or province; Mexican stations send their state; DX stations send a serial number. Contest rules are available at contests.arrl.org/10m/.

Voyager 1's dwindling power supply is threatening the 47-year-long mission | CNN

Voyager 1's power supply is absolutely amazing!

The TWT (traveling wave tube) tubes for the transmitters are Watkins-Johnson products. The Plutonium power generators for all the space probes are built in Idaho at the Idaho National Lab near Idaho Falls, ID.

<https://www.cnn.com/2024/12/03/science/voyager-1-radio-transmitter-power-supply/index.html>

73 -- Dan / K7REX

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.

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.*

AE8FP Amateur Radio Test Team administers ARRL-VEC testing in the Central Ohio area. Our test dates for 2025 are as follows: January 18, April 12, July 19, and October 18. Time and location for these dates are 10:00am at the Westerville Fire Station #111, 400 W. Main St in Westerville, Ohio. The listed dates are co-sponsored by the Central Ohio Radio Club (CORC).

Pre-Registration is required, and open the 1st of each testing month. All information is available at www.ae8fp.net <<http://www.ae8fp.net/>>

All Things Amateur Radio Association (ATARA) hosts testing sessions every second Tuesday of the month in Lancaster. Our testing sessions use Examtools, a digital testing platform, and administers the exams on tablets. Simply sign up for a free account at <https://hamstudy.org/register> and then search for our session and register through the Hamstudy website. Reach out with any questions to Jarrod – KE8MBL 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 10th; Apr 13th; Jun 8th; Aug 10th; Oct 12th; and Dec 14th, 2024. 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

The Findlay Radio Club

The Findlay Radio Club sponsors an Exam Session the second Saturday of every month except September when we have our Hamfest. The Exam Session takes place at the Findlay Radio Club, 1333 West Sandusky St., Findlay Ohio 45839. The session begins at 9 AM. Pre-registration is recommended, but not required. You can pre-register at hamstudy.org. We can also give Exams remotely on-line on your schedule if you can't make to a session.

The club has meetings on the first and third Thursdays at the clubhouse at 7:30 PM. The meetings are also available on Zoom. Contact N8ET if you would like to log in. All are welcome.

We also meet at the club on Sunday afternoon from 2 until 5 (or later!) to talk about anything Ham Radio. The sessions are geared toward new Hams. Everyone brings their questions and equipment they would like to show off or learn how to use. This Sunday we are going to install and learn to use Fligi, Flmsg, and Flamp. In past sessions we have built antennas, fired up new rigs, and generally had a good time!

The next meeting (Feb 15) will cover the same topic. Bring your laptop!

Geauga Amateur Radio Association (GARA)

Amateur License exam sessions are offered for all license classes (Technician, General, Extra). Walk-ins are always welcome - no prior registration is required. No fee for the exam.

The GARA schedule of exams are these Sundays at 2pm. Dates for 2024 are Jan 14, March 10, May12, July 14, Sept 15, and Nov 17, 2024. All sessions are at 2:00PM each month



Exams are held at the Geauga County Department of Emergency Services and Emergency Operations Center, 12518 Merritt Road, Chardon, Ohio 44024. The EOC is located just south of the University Geauga Hospital and just east of the Geauga County Safety Center (Sheriff's Office), off of State Route 44 between State Route 322 and State Route 87 on Merritt Road.

Please arrive a few minutes before 14:00 to allow adequate time to process the necessary paper work and take your test. Bring your 1) photo ID, 2) email address, 3) FCC FRN, 4) a printout of your current license if taking the General or Extra exam.

Additional info may be obtained from Jackie Welch, N8JMW by email n8jmw2@gmail.com or calling at 440-228-2716. More information is available from the Geauga Amateur Radio Association website <https://geaugaara.org>

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. 10:00AM til Noon. 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 **2024** Amateur Radio license exams at the **Kirtland Library**, 9267 Chillicothe Road, on the following dates:

Saturday, February 3	Saturday, August 3
Saturday, April 6	Saturday, October 5
Saturday, June 1	Saturday, December 7

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)

The Lancaster and Fairfield County Amateur Radio Club (LFCARC) hosts exam sessions on the first Saturday each month at 10:00 am in Lancaster Ohio at the Fairfield County EMA, 240 Baldwin Dr., Lancaster Ohio.

To register for an exam, [Click Here](#).

Questions: Contact me at ve_testing@k8qik.org.

Lisbon Area Amateur Radio Association

LISBON AREA AMATEUR RADIO ASSOCIATION (LAARA) 2024 SCHEDULE.

VE TESTING IS AT THE COLUMBIANA COUNTY EMERGENCY MANAGEMENT

AGENCY
AT 215 SOUTH MARKET STREET, LISBON, OH 44432.

SIGN IN AT 1 PM AND TESTING AT 1:30 PM.

VE TESTING DATES FOR 2024

JAN 13; FEB 10; MAR 9; APR 13; MAY 11;
JUN 8; AUG 10; SEP 14; OCT 12; NOV 9; DEC 14.

WE CAN ALSO GIVE THE TEST AT OUR REGULAR MEETINGS
THAT ARE NORMALLY ON THE 3RD THURSDAY OF EACH MONTH.
LAARA MEETINGS ARE HELD AT THE COLUMBIANA COUNTY
EMERGENCY MANAGEMENT AGENCY AT THE SAME ADDRESS AS ABOVE. SEE
THE K8GQB.COM WEB SITE FOR UPDATES.

MEETING TIME IS 6:30 PM.

WE HAVE ACTIVITY MEETINGS ON THE ODD MONTHS AND
BUSINESS MEETINGS ON THE EVEN MONTHS.

Madison County

The Madison County Amateur Radio Club Laurel testing group offers 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. There is no Fee for testing. Pre-Registration is not required but preferred. Walk-ins are welcome. You are required to have an email address and a copy of your FRN or current ham radio license. For more information or to get pre-registered send email to Exams@mcarco.org .

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)

Six VE testing sessions in 2024. Registration is appreciated but walk-ins are welcome. Contact Elaine, KC8FOS for more information or to register. ewilkinson1951@gmail.com or 216-337-4235 Saturday, Jan 6. Fairview Park Library. 21255 Lorain Rd., Fairview Park. 10 AM. Sunday, March 10. NOARS Hamfest. Lorain County Community College. 1005 Abbe Rd. N., Elyria. 9 AM.

Saturday, May 4. Fairview Park Library. 21255 Lorain Rd., Fairview Park. 10 AM. Saturday, July 20. NOARSfest. Lorain County Community College. 1005 Abbe Rd. N., Elyria. 9 AM. Saturday, September 7. Fairview Park Library. 21255 Lorain Rd., Fairview Park. 10 AM. Saturday, November 2. Fairview Park Library. 21255 Lorain Rd., Fairview Park. 10 AM.

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

Tusco Amateur Radio Club W8ZX

VE Testing sessions are held on the second Saturday of every even numbered month at the Dover Faith Church, 420 N Wooster Ave, Dover, OH 44622. Pre-registration is not necessary. Doors open at 0830 for registration, exams begin at 0900. Cost is \$15. You are required to have an email address and a copy of your FRN or current ham radio license. For more information please go to www.w8zx.net/exam or email VETEAM@N8BAG.NET.

Silvercreek ARA (SARA)

Holds six exam sessions per year for all license classes. Pre-registration requested but not required.

Exam sessions for 2024:

Saturday, December 7th - Sharon Center UM Church (Wadsworth/Medina Co.)

Exam sessions for 2025:

Saturday, February 1st - Smithville Brethren Church (Smithville/Wayne Co.)

Saturday, April 5th - Sharon Center UM Church (Wadsworth/Medina Co.)

Saturday, June 7th - Sharon Center UM Church (Wadsworth/Medina Co.)

Saturday, August 2nd - Smithville Brethren Church (Smithville/Wayne Co.)

Saturday, October 4th - Sharon Center UM Church (Wadsworth/Medina Co.)

Saturday, December 6th - Sharon Center UM Church (Wadsworth/Medina Co.)

All sessions begin at 10:00am. For directions and test information visit <https://w8wky.org/license-exams/>. Pre-Registration to expedite paperwork is requested, but not required at <https://w8wky.org/sara-ve-registration-form/>. Sign up and if you aren't ready or can't make it, just notify the VE team lead.

West Chester Amateur Radio Association (WC8VOA) Exam sessions are held one Saturday each month at 10:00 AM-Noon at the VOA Bethany Relay Museum located at 8070 Tylersville Rd, West Chester, Ohio 45069. For more information and links to register, please see our website: <https://wc8voa.org/licensing/>

Radiogram Portal Update

You have read in this newsletter about the creation of a Radiogram Portal, a web-based application that allows hams and non-hams alike to utilize the National Traffic System to move messages from one point to another. Developed by Jonathan Taylor, K1RFD, author of Echolink, the Portal introduces the capabilities of the NTS and provides the ability to enter a message into the system. Messages converted into radiogram format by the software are then retrieved by authorized traffic handlers (“radiogrammers”) for entry into the NTS. These messages also provide third-party radiograms for practice in formal message handling and net operation.

We have had approximately 70 applicants authorized to become “radiogrammers” and we are very grateful for their offers of help, but they would really benefit from more messages to generate and relay. Check out the website, <https://nts2.arrl.org/radiogram/>, and give it a try. Then let others know about it. Information can be presented to clubs, ARES groups, via newsletters, and of course, to families and friends. No, it doesn’t quite compete with email and text messaging for ease, speed and instant gratification, but it is unique and an introduction to preparedness for emergencies.

Conclusion to the 2024 Fox Hunt Season with the Hocking Valley Amateur Radio Club (HVARC)

Submitted by: John Adams (AF8E)

On November 16, 2024, the Hocking Valley Amateur Radio Club (HVARC) wrapped up its 2024 Fox Hunt season in style with a challenging and exciting event held in Hocking County, Ohio. As with all fox hunts, this hunt was a blend of skill, strategy, and a bit of friendly competition.

The hunt kicked off promptly at 10:00 AM, with two hunters, Phil Stanley (W8NZB) and Kirk Groeneveld (KC8JRV). The fox for this hunt was John Adams (AF8E), and he was located at the Dorr Run trailhead of the Wayne National Forest ATV Trails, near Haydenville. The location, with its thick woods, challenging terrain, and limited access provided hunters with a tough task. The terrain of Southeastern Ohio can prove to be difficult for VHF operations.

Phil (W8NZB) was the first to locate the fox in a time of 2 hours and 23 minutes. Kirk (KC8JRV) followed a short while later, with a time of 2 hours and 50 minutes. In consideration of his victory, Phil was awarded with the “travelling trophy”, a stuffed fox. He will also have the option of being the fox for the next hunt.

This event marked the end of the 2024 season. But don't worry, there's much more to look forward to in the spring! The HVARC will be returning with fresh challenges, new locations, and the same great spirit of competition in the Spring of 2025.



ARLD045 DX news

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

MALDIVES, 8Q. David, HB9ILL will be QRV as 8Q7IL from December 9 to 18. Activity will be on 40, 30, 20, and 10 meters using SSB. QSL to home call.

SINGAPORE, 9V. Orion, OE3OGC is QRV as 9V1CF until December 10. Activity is in his spare time on 40 to 10 meters using SSB and FT8. This includes plans to activate Bukit Timah, SOTA 9V/SG-001, and the Coney Island National Park, POTA SG-0013. QSL to home call.

UNITED ARAB EMIRATES, A6. Special event station A60BHR will be QRV from December 11 to 16 to honor Bahrain's National Day. QSL via operators' instructions.

BAHRAIN, A9. Special event station A91ND marks Bahrain's National Day until December 16. QSL via EC6DX.

MOROCCO, CN. Ralf, DB4REB is QRV as CN2REB until January 30, 2025. Activity is holiday style on the HF bands using CW, SSB, and FT8 from Agadir and also from some POTA locations along the coast. QSL direct to home call.

CUBA, CO. A group of operators are QRV as T46W from Cayo Santa Maria, IOTA NA-204, until December 10. Activity is on 160 to 6 meters. QSL via LoTW.

BOSNIA-HERZEGOVINA, E7. Special event station E71YOTA is QRV during the month of December during the Youth On The Air operating event. QSL via ClubLog.

SAINT MARTIN, FS. Operators K9EL, K9NU, W9MR and W9AP are QRV as TO9W until December 13. Activity is on the HF bands. QSL via W9ILY.

REPUBLIC OF KOREA, HL. Special event station HL0YOTA is QRV during the month of December during the Youth On The Air operating event. QSL via ClubLog.

WAKE ISLAND, KH9. Allen, KH7AL is QRV as KH7AL/KH9 while on work assignment. Activity is in his spare time on 40 to 10 meters using primarily SSB and CW. His length of stay is unknown. QSL direct to home call.

BELGIUM, ON. Special event station OQ24YOTA is QRV during the month of December during the Youth On The Air operating event. QSL via ClubLog.

NETHERLANDS, PA. Special event stations PA24XMAS, PD24ELF and PI24XMAS are QRV until the end of December. QSL via operators' instructions.

EGYPT, SU. Special event station SU8YOTA is QRV during the month of December during the Youth On The Air operating event. QSL via ClubLog.

BELIZE, V3. Mike, VE7ACN will be QRV as V31CN from Manta Island on Glover's Reef, IOTA NA-180, from December 8 to 17. Activity will be on 80 to 20 meters using mainly CW, with some SSB and FT8. QSL to home call.

ST. KITTS AND NEVIS, V4. Mike, KC1NGS is QRV as V47NH from Nevis, IOTA NA-104, until December 17. Activity is on 40 to 10 meters using SSB. QSL via LoTW.

BRITISH VIRGIN ISLANDS, VP2V. Look for operators AG9A, K2KW, K5PI and KD4D to be QRV as VP2V/home calls from Anegada, IOTA NA-023, from December 9 to 17. Activity will be on the HF bands using CW, SSB and possibly various digital modes. This includes being an entry as VP2VMM in the upcoming ARRL 10 Meter contest. QSL via LoTW.

INDIA, VU. Operators VE3LYC, VU2RS, VU3WEW and VU3DXA will be QRV as AU2S from Sagar Island, IOTA AS-153, from December 9 to 13. Activity will be on the HF bands. QSL via VE3LYC.

ANDAMAN AND NICOBAR ISLANDS, VU4. Krish, W4KVU is QRV as VU4A until December 11. Activity is on 160 to 6 meters using SSB, and FT8 in MSHV mode. QSL direct to home call.

LATVIA, YL. Special event station YL24YOTA is QRV during the month of December during the Youth On The Air operating event. QSL via ClubLog.

Please see December QST, page 59, and the ARRL and WA7BNM contest websites for details.

Upcoming *Hamfests*



Ohio Hamfests

2024 & 2025

01/19/2025 - Sunday Creek Amateur Radio Federation Hamfest

Location: Shade, OH

Type: ARRL Hamfest

Sponsor: Sunday Creek Amateur Radio Federation

Learn More

03/16/2025 - Toledo Mobile Radio Association Hamfest and Computer Fair

Location: Perrysburg, OH

Type: ARRL Hamfest

Sponsor: Toledo Mobile Radio Association

Website: <http://www.w8hhf.org>

Learn More

04/05/2025 - Cuyahoga Falls Amateur Radio Club 69th Hamfest

Location: Cuyahoga Falls, OH

Type: ARRL Hamfest

Sponsor: Cuyahoga Falls Amateur Radio Club, Inc.

Website: <https://www.cfarc-hamfest.org>

Learn More

05/15/2025 - Four Days In May

Location: Fairborn, OH

Type: ARRL Convention

Sponsor: QRP Amateur Radio Club International

Website: <http://qrparci.org/fdim>

07/12/2025 - Mansfield Mid Summer Trunkfest 2025

Location: Ontario, OH

Type: ARRL Hamfest

Sponsor: Intercity Amateur Radio Club

Website: <http://w8we.org>

07/20/2025 - Van Wert Hamfest

Location: Van Wert, OH

Type: ARRL Hamfest

Sponsor: Van Wert Amateur Radio Club

Website: <http://w8fy.org>

If you have information for your 2025 hamfest get it into the ARRL! As soon as I see them approved and added to the ARRL site, I'll start getting them listed here.

DX This Week – #312

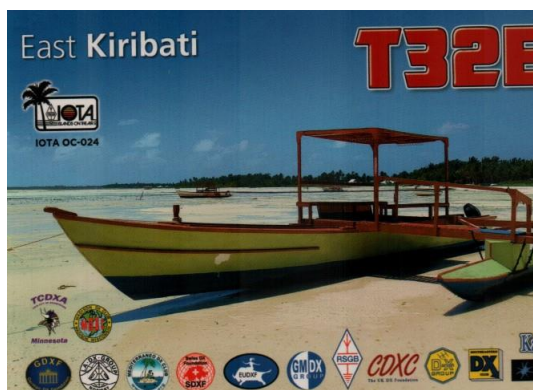
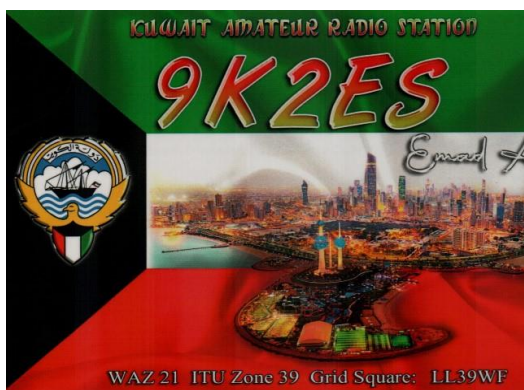
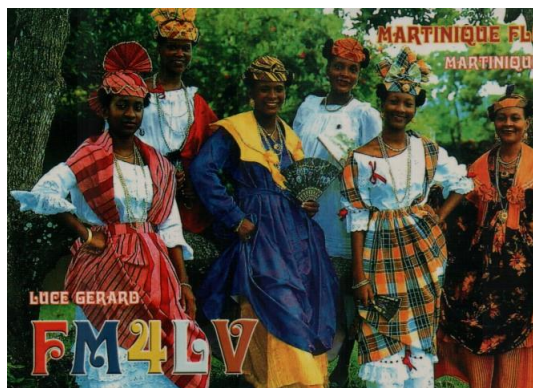
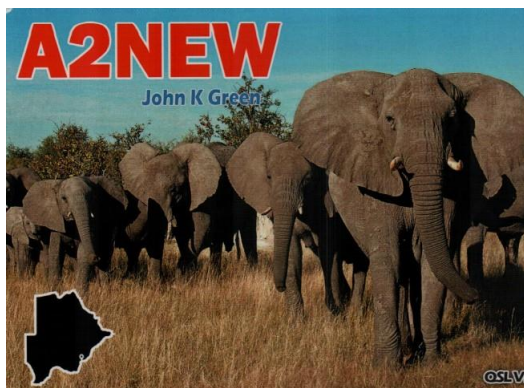
Bill - AJ8B (thedxmentor@gmail.com / www.aj8b.com)



We are getting close to Christmas! I have two ideas for stocking stuffers that you can pass along to those who buy your stocking stuffers, or for you to buy for yourself!

First, how about a ticket for a Hamfest or the Dayton Hamvention®? How about a ticket to the DX Dinner? Just a couple of suggestions. Do you have any others?

Below are some recently received QSL cards. They include A2NEW - John in Botswana, FM4LV – Gerard in Martinique, 9K2ES – Emad in Kuwait, and T32EU – A German Dxpediton to East Kiribati. What did you receive?



DAH DIT DIT DIT DAH DAH DIT DIT DIT DAH

Over the past year or so, I have come to know Ralph, K9ZO. Ralph was a guest on 3 DX Mentor podcast/Youtube episodes with 2 more planned. Ralph, Joe – W8GEX, and I became weekly email pals exchanging ideas about new podcast episodes, his Contesting on a Budget series and a variety of other topics. Although I had never met Ralph in person, his warmth, kindness, and fellowship were always present, even through the ZOOM sessions.

Joe, W8GEX, informed me of his passing this past week. The DX community, the Ham fellowship, and the general population have lost a truly good guy. I thought I would pass along the message that is on his QRZ.com page. Rest in Peace my friend.

It is with deep sadness that I must report K9ZO as Silent Key. Ralph bravely fought a long battle with cancer.

Even in his last days, Ralph continued to be a great mentor, offering advice and encouragement to his fellow DXers and Contesters.

His call, K9ZO, will echo in the pile ups and contests for eternity.

Thanks for being such a great friend, Ralph.

73 for now,

Gary KC9EE

DAH DIT DIT DIT DAH DAH DIT DIT DIT DAH

Here is what is happening in the World of DX:

This section of DX News comes from Bernie, W3UR, editor of the DailyDX, the WeeklyDX, and the How's DX column in QST. If you would like a free 2-week trial of the DailyDX, the only source of real-time DX information, just drop me a note at thedxmentor@gmail.com

The **9L5A** group, activating **Sierra Leone**, says there are many complaints about their log. They note that they regularly update it manually by overwriting what comes in from the livestreaming. Some QSOs do not appear live but will be there after the next normal update, "which is now daily." They say, "There is no need to send a multitude of messages that we don't have time to process while we're on an expedition." They are making 10,000 QSOs per day "with an almost perfect balance between CW, SSB and FT8." The pileups are large. They say if they weren't so dedicated to being on the air they could be enjoying the beach and 31C water temperature.

ZA/NS5K, Ron Lewis, thinks several stations will be on the air Christmas Eve (December 24) from Durres and Tirana, **Albania**, looking for as many stations in the USA as possible, particularly starting around 0200Z. Look for them on or near 14200 and 7200. Ron will be using his ZA/NS5K callsign and he says two high school students are also approved to use that call while working North America.

VK2YUS, Chris, updates on his next **Vanuatu** activity. From Port Vila he will have **YJ0CA** on the air approximately December 10-16, including the ARRL 10 Meter Contest, single operator on SSB. All his activity will be SSB only, with an IC-7300, 400W amp, and simple wire antennas and verticals, for 40-10. To avoid local nighttime noise levels, he will mostly op between 2100-1000Z. Chris logs on paper and uses paper QSL cards for confirmations, not using the online log and confirmation systems. He will send out cards in January from Australia. His QSL Info is on QRZ.com.

KH7AL/KH9, Allen, recently started a new job on **Wake Island** as an electronic technician and has Mondays off, local time, which is GMT minus 12, "but a day ahead of the US." He will most likely be on the air early mornings or late afternoons local time "to avoid the peak heat of the day." His assignment is three months on, one month off, work rotation, and the job opportunity was a big change for he and his family, but he's committed to at least a year and will see how it goes.

The KH7AL/KH9 station is a Yaesu FT-891 to dipoles for 40, 30, 20, 17, 15 and 10. He does not have a digital capability presently. For CW, he says "I'm not sure my CW skills are up for running the kind of pile I met yesterday... yet." His first day on the air he got 115 QSOs on 20 in 80 minutes before he QRT-ed, mostly Japan but he also got China, New Caledonia, Australia, Uruguay, Brazil (10,000 miles away), Bulgaria, Greece, Finland, Argentina, Thailand, Norway, Estonia, Spain and Russia.

Allen notes that his mentor, NL7RR will likely be visiting again in February and likely they will both get on the air. Also, two others he works with are interested in getting ham licenses. He figures maybe they'll get a club going. (See QSN section below)

3D2Y FOR IMMEDIATE RELEASE – December 2,2024

Contact: Jamie Williams M0SDV

Our time here on **Rotuma Island** is coming to an end, and what an adventure it has been. This morning the team got to work early taking down the antennas, cleaning equipment and packing it away before the heat of the sun was too intense to work.

Life here is simple and there isn't many resources available on the island so this trip has been on of overcoming adversity and working together as a team. We have been through 5 power generator, numerous station fixes / rewires. We have even had to pack the entire station away to survive the rain and wind.

The final QSO count for our operation will sit between 30 - 32,000 QSOs, opposed to the 40k which Club Log shows containing a number of dupes. We will upload the final 'Golden log' once we have departed here. QSL is via Charles

M00XO if there is any not in log queries, please use the not in log function on the OQRS page and don't email Charles directly.

Despite all on island operators holding valid Rotuma licenses, we are still working with TAF Fiji for the allocation of the remote operator licenses. TAF are happy with this arrangement ensuring us that we have not breach licensing during our operation. Due to the high number of remote operators on our team, there is a delay in processing the licenses.

On Tuesday morning we will complete our packing process ready to fly out of Rotuma on Wednesday morning. We will then start to make our way back to our homes after 4 weeks travelling. We would like to thank our sponsors for making this project come to life and thank you to the DX community for the QSOs made during our time here on Rotuma.

FW7AA on Wallis & Futuna is now QRT. We made 15K+ contacts which is an average rate of 1K+ QSOs/per day. It's like Field Day that goes on for 2 weeks. Thanks to everyone in the pileups. OQRS will be enabled when we get home next week.

Bob and I are currently in Nadi, Fiji at the Club Fiji Resort. We arrived well after dark and will setup our 2 Elecraft K3 stations + 2 DX Commanders tomorrow morning our time. After some discussion we decided not to erect our 160 antenna. We would only get 2 nights usage from it, and it is time consuming to setup and teardown.

Look for 3D2NB on the air, we have an excellent location right on the water.

73,
Al, K7AR

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!

The ARRL 10 Meter Contest.

The Objective is for as many Amateurs worldwide to exchange QSO information with as many stations as possible on the 10 meter band.

The contest will be held the second full weekend of December. Starts 0000 UTC Saturday; runs through 2359 UTC Sunday (**December 14-15, 2024**)

The exchange is as follows: All stations send a signal report. W/VE stations, including Alaska and Hawaii) send their state or province. (District of Columbia stations send “DC”.) Mexican stations send their state or province. DX stations send a serial number.

Contest	Start Date	End Date
ARRL 10M Contest	12/14/2024	12/15/2024
EUCW 160M Contest	1/4/2025	1/5/2025
YB DX Contest - SSB	1/11/2025	
North American QSO Party, CW	1/11/2025	1/12/2025
YB DX Contest	1/11/2025	1/11/2025

North American QSO Party, SSB	1/18/2025	1/19/2025
ARRL VHF Contest`	1/18/2025	1/20/2025
CQ 160M CW	1/24/2025	1/26/2025

OHIO'S



Since our last visit, N8ZNR and I have attended our first ham radio club Christmas Party with attendance at the **Portsmouth RC**'s annual feast and auction. And what an evening it was! Those folks in Portsmouth really know how to kick the holiday season off on the right foot. Now it's off to put our energies into the December 10 **Highland ARA**'s event where we kind of pull everything together to make it an enjoyable evening for the over 80 people already with reservations. Someone once said "you don't have to be in a club to enjoy ham radio! That is 100% correct. But by supporting your local club by attending its holiday gathering and being with people sharing a mutual interest is a good way to kickstart celebrating the holidays.

As mentioned, this past week's round of celebrations started with the Portsmouth RC on Saturday evening at their dinner in Wheelersburg. The attendance was less than normal, but those there had a fun time with great food, a fund raising auction and a lot of socializing. Then on Tuesday evening the **Hocking Valley ARC** held their annual dinner and a brief meeting in Logan. On December 5 the annual carry-in and club election for the **Clinton County ARA** took place in Wilmington. December 7 saw the clubs in Ross County and Cambridge each with an early afternoon gathering. The Pike County Airport near Waverly was the site for the **Scioto Valley ARA** gathering and the Cambridge Denny's dished up the food for the **Cambridge ARA**'s annual Awards Banquet. On December 9 the **Parkersburg ARK** holds their annual Christmas Dinner at the Emmanuel Baptist Church starting at 5:30. A catered meal will be served to over 80 **Highland ARA** members and friends at the Methodist Church in Hillsboro on the 10th. There's still some time to give N8ZNR a call at 937-760-6070 for information or reservations. The 10th also finds the **DeForest ARC** holding their annual carry-in dinner and elections at the Adams County ABCAP in West Union. The Club will furnish the meat for the 6:30 meal. Judy Taylor, WD8EOP, says the the West Virginia Museum of Radio and Technology in Huntington will host the **Tri-State**

ARA holiday dinner on December 17 at. The Club will furnish the turkey and ham and asks members to coordinate side dishes with Judy at WD8EOP@gmail.com. Also on the 17th the **Athens County ARA** holds their annual holiday dinner at the Athens Applebees on State Street in Athens. The winner of the annual WC8V Memorial Trophy will be announced during the dinner. Members of the **Marietta ARC** will observe the season at DaVinci's in Williamstown, WV with its holiday dinner on December 18 at 6PM. The **Lancaster Fairfield County ARC** will hold their Christmas dinner on December 21 at the West Fair Street Pizza Cottage starting at 7 PM.

Word from AJ8B, Bill Salyers, is that because of all the parties ahead of the holidays the **Southwest Ohio DX Association** a restaurant meeting location for the December 11 meeting was unable to be found. Therefore it was decided to hold a completely virtual meeting instead. The topic for discussion will be "DXpedition to Fredonia". Hopefully a location will be able to be found for the January 9 meeting.

At the **Portsmouth RC**'s Christmas Dinner I learned of a neat program the Club has undertaken to get new hams on the air quickly. Those who pass a test administered by the PRC and then join the Club will receive a handheld preprogrammed for the local repeaters. Although only a handheld this allows the new ham to at least get on the air for nets and activities while they figure out what base or mobile radio suits their need. At the dinner Vice President Tom Williams, KD8WTG, presented Wallace "Wally" McClurg, KF8CHL, with a radio. Wally was the first person to receive a radio under this retention program. Great idea.



The **OH-KY-IN ARS** will cross the river for their December Brunch Bunch breakfast. The December 14 gathering is at 1PM at the Houston Road Red Robin in Florence, KY.



Also on December 14 the **Tri-State ARA** will conduct the always popular "Get On The Air With Santa" at Huntington's Museum of Radio and Technology. At the event parents, grandparents or just friends visiting the Museum of Radio and Technology will have the opportunity let their children talk to Santa and let him know what they would like to see under the Christmas tree on the 25th. While the older folks are exploring the many exhibits of radios, televisions and other electronic items, the kids can occupy themselves with activities geared to their ages. Last year N8ZNR and I traveled to Huntington to visit the event and found it well worth the trip. I would strongly recommend the visit as a Christmas gift to yourself. There is no admission charge, but donations are always appreciated.

Diana Stuckey, KB9NPO of Bainbridge, has a rare kidney condition and is in need of a living kidney donor. Should such a donor (18 to 70 in good health) come forward, she could receive the needed transplant within a year. More information can be found at wexnermedical.osu.edu/kidneydonor. Please spread the word.

The **Athens County ARA** will begin their annual Technician License Class on January 13 at the Red Cross Building in Athens. The course will run for nine consecutive Monday evenings with each starting at 7PM. A testing session will take place on March 17. With the uptick of GMRS interest in neighboring Meigs County this class could lead to an increase in the ham population in that part of the state.

It seems 2024 has just began and I read in the **Southwest Ohio DX Association**'s newsletter the announcement of their January 9 meeting. Thomas Witherspoon, K4SWL, will present a discussion about "POTA and SOTA".

The first 2025 hamfest in Ohio's South 40 Region will be the **Sunday Creek ARF**'s January 19 event at the community building on old US 33 in Shade, Ohio. jeramy_duncan30@yahoo.com for more information.

Although several months away, a couple South 40 clubs already are planning for special event operations in the upcoming year. The **Highland ARA** anticipates activating K8HO to observe the 220th anniversary of the founding of Highland County. According to the Noble County Historical Society, talks with the **Cambridge ARA** to operate a special event station commemorating the 100th anniversary of the September 3, 1925 crash of the Shenendoah are being finalized.

The **DeForest ARC** will conduct a VE session on Thursday, December 12 at the Adams County EMA Office, 31 Logans Lane in West Union. The 6:30 test is

The **Southern Ohio ARA** is currently conducting a raffle with the winner to receive a Glock 19 Gen 3 pistol. Only 100 tickets are being sold with the drawing to be held once all tickets are sold. More information can be found on the www.w8soe.org website.



The **Highland ARA**'s monthly Brunch Bunch will be the morning of Saturday, December 14 at the Hillsboro Burger King at 10 AM. The Burger King is in front of Rural King on North High Street. All are welcome to attend. The **Bainbridge Area** hams will gather at 8:30 at the Dutch Restaurant near Bainbridge. Any ham in the Highland, Pike or Ross County areas are welcome to attend.

The **Clinton County ARA**'s outgoing President Mark Atwell, WX8A, and incoming Secretary Steve Lamb, W8SBL, have announced the new officers for 2025. Lee Kolodziej, KC2VFX, assumed the Presidency with Sara Lamb, KS8P, as Vice President. Andrew Adrian, W9AMA, remains the money guy and Steve Lamb, W8SBL, switches places with his wife to become the new Secretary. K8IO, Paul Jellison, returns as the Technical Vice President and joins Gary Poland, W8PU; Dave Gordley, K8DEG; Dave Chesney KE8GII and Mike Boyle, WF8B as Directors.

The **Bellbrook ARC** will observe the 121st year since the Wright Brothers had the first successful manned airplane flight at Kitty Hawk. On December 17 the Club will activate Special Event Station W8W to commemorate the birth of manned flight. They will operate on 40, 20 and 15 meters from 1400z until 2100z using all modes. Check the www.bellbrookarc.org website for exact frequencies and how to apply for a certificate confirming your contact.

Hopefully the Artic weather conditions are behind us for a bit. That might give us a chance to finally finish putting up the outside Christmas decorations or repair those the recent strong winds caused to fail. Although the decorations may have been damaged, let's hope your antenna farm still survives. In the meantime, don't forget Christmas day is quickly sneaking upon us and the shopping days are limited. Don't forget to spend a little time on the radio in between your decorating, shopping and volunteering with community organizations.

Until next time.

John Levo, W8KIW

jlevo@cinci.rr.com or highlandara@gmail.com or 937-393-4951 (landline-leave a message)

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](#)

https://arrl-ohio.org/wp-content/uploads/2024/07/print_your_license.pdf

Ohio Section Cabinet

Section Manager – Tom Sly, WB8LCD	Section Traffic Manager – Dan Rinaman AC8NP
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... <https://arrl-ohio.org/section->

[swap-shop/](#)

<https://arri-ohio.org/section-swap-shop/>

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. You might want to list your location so that prospective buyers know where you're at. 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

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:

<https://arri-ohio.org/ohio-section-newsletter/>



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....

<https://arrl-ohio.org/ohio-club-newsletters/>

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: <https://arrl-ohio.org/ohio-section-newsletter/>

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!