



“July 10th, 2023”

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CQ CQ CQ de WB8LCD

Field Day is the largest 24 hour event in Amateur Radio. I hope you all had a good time and learned some things that will further your enjoyment of the hobby. Here's what it looked like at some other locations:





Keep sending me your photos and I'll keep putting in a few each week!

I was thinking about how we perceive Field Day, and other Ham Radio activities, and I started thinking, if I had to pick the #1 Ham in the Ohio Section for each year it would be *impossible* to do! We can break it down – Who has the most DXCC confirmations? Who worked all US counties in the shortest amount of time? Who has the most confirmed satellite grids? Who builds the best homebrew projects? Who has activated the most Parks? Libraries? Churches? Breweries? Is there some mathematical weighting to each of these factors so they could all be added together for a final score? Not likely. I've often said that Ham Radio is dozens of hobbies within a hobby. None of us can do it all.

I think my survey question from just before Field Day told another part of the story – about 80% of participants would be there to have fun, and 20% would be there to be competitive. So now I gotta ask, did the guy who had the most fun do better than the competitive guy who came in in last place? My whole point is this: It doesn't matter! Do it to the degree you can, and you're right in there with the 80% having fun! The other 20% who enjoy the dogfight – they're having fun too. But we're all here, all engaged to whatever degree possible.

That leads me to believe, the only “losers” in the sport are those who “don't show up when they could have.” There's lots of excuses available, sure, some are legitimate, but most are just excuses! Get out there and do something! There's a big difference between having 50 years of experience as a ham vs having 1 year of experience and just repeating it 50 times. My wish for you all is that you stay motivated and engaged. After all, Ham Radio is the Greatest Hobby in the World!

Check out the listings of Fests coming up – lots to choose from in the Ohio Section, and even more if you don't mind travelling to the surrounding states. Check out the contests coming up, the special event stations, the license upgrade classes, the new skills you could learn at club meetings or even on YouTube. The whole point is Get Up And Do Something!

I was sorry to miss the Mansfield Trunk Fest this weekend. I pushed myself a little too hard over the 4th of July holiday and had a problem with my knee. Drs. appointment on Tuesday will determine how much running around I can do over the next few weeks.....

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.

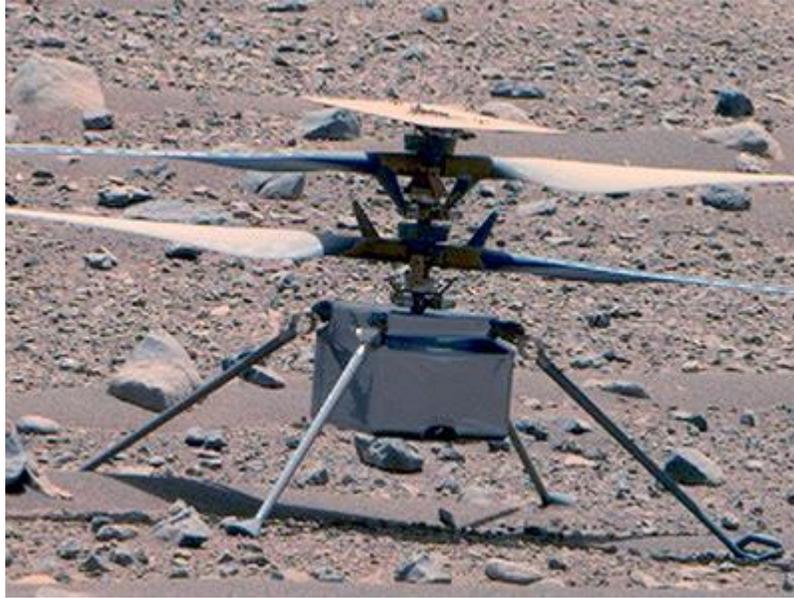
The purpose of this net is to encourage youth activity in amateur radio and to help new hams get more comfortable on the air.

Next Net is Sunday July 9th

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)



Mars Helicopter Phones Home

As the first aircraft to fly on another world, NASA's Ingenuity Mars Helicopter is the definition of a trailblazer. Ingenuity has achieved remarkable milestones on the red planet since launching in July 2020, completing 52 flights, flying for 91.4 minutes, covering 7.5 miles, and reaching altitudes of up to 59.1 feet. Its accomplishments **pave the way for future aerial exploration on Mars** and other celestial bodies, but trailblazing doesn't come without its complications.

On April 26, NASA lost contact with Ingenuity as it embarked on its most recent quest. **Due to some hilly terrain**, it had gone out of range from the Perseverance rover, which serves as its means of communication with Earth.

Ingenuity went 63 days without communication until finally overcoming the hurdle and "phoning home," as NASA phrased it, on June 28, establishing a connection with the space agency once again.

Team lead Josh Anderson said blackouts are expected as the mission's goals sometimes require "pushing beyond communication limits," but the restored connection is still a relief. **"We're excited to be back in communications range with Ingenuity** and receive confirmation of Flight 52," he said in a press release.

ARLP027 Propagation de K7RA

The average daily sunspot number for June 2023 was the highest in 21 years, according to Spaceweather.com.

From a July 3 email alert from Spaceweather.com:

"SUNSPOT COUNTS HIT A 21-YEAR HIGH: It's official: The average sunspot number in June 2023 hit a 21-year high. Solar Cycle 25 has shot past its predecessor, Solar Cycle 24, and may be on pace to rival some of the stronger cycles of the 20th century."

Could we see another Cycle 19, the biggest in recorded history, even back before the birth of radio?

Not too long ago, we heard that this cycle should peak in summer 2025. Later that was revised to 2024. Now I am seeing occasional references to a cycle peak at the end of this year.

From my own records, average daily sunspot numbers for April through June 2023 were 93.7, 125.8 and 143.9, a nice upward trend.

Some popular news outlets seem confused by the difference between sunspot number and number of sunspots and have quoted another higher average.

Here is the difference. If they are just counting the total number of sunspots for the month, this is far different from average daily sunspot numbers. The sunspot number is somewhat subjective, but it gets ten points for each sunspot group, and one point for each sunspot in those groups.

But I stand by my numbers. They are all from NOAA and appear at the end of each bulletin.

But they may be referencing International Sunspot Number, which may be different from the SESC numbers from NOAA.

Here is an example of confusing sunspot numbers with number of sunspots: <https://bit.ly/3NCQCAI>

This one is also confusing, saying there were 163.4 sunspots in June. <https://bit.ly/3PMu6Ym>

But what does this mean? It could be either 163 or 164 sunspots, but not a fractional number, unless it expresses an average. The minimum sunspot number is 11. This would be one sunspot group containing one spot. They are always whole, not fractional integers.

There was one new sunspot region (group) on June 30, three more on July 1, one more on July 2, another on July 4, and one more on July 5.

Countdown to W4DXCC

September 29 and 30, 2023, Pigeon Forge, TN

NEW LOCATION !!!

What:

18th Annual W4DXCC DX and Contesting Convention

When:

September 29 and 30, 2023

Where:

Ramsey Hotel and Convention Center, 3230 Parkway, Pigeon Forge

Why:

Fellowship, learning, fun, food and most importantly, renewed friendships!

Please visit W4DXCC.com now for more information and to order your conference and banquet tickets!

It's time to make your hotel reservations!!

The Ramsey is only minutes from our previous venue and their

convention/banquet area is outstanding. It's very easy to get to and close to everything. The Ramsey offers a full breakfast buffet, a fireplace in the lobby, a lounge and bar - including a Tiki bar by the pool. Due to many fun things happening in Pigeon Forge, please make your hotel reservations asap by calling 865-428-2700. When you call, be sure to tell them you are with W4DXCC by SEDCO for our special room rate. You cannot make reservations online.

See you soon,

Dave Anderson, K4SV

Convention leader

Dave@w4dxcc.com

Morse Code is still thriving in amateur radio, 24 years after its last commercial use.

On July 12, 1999, the original dot/dash system, invented by Samuel F. B. Morse in 1837, gave way to the rapid development of analog and digital communications. The final message sent in Morse code for commercial use was the same one that Morse hammered out on his telegraph key 155 years earlier in 1844, which was, "What hath God wrought?" But this time the message was followed by SK, meaning silent key, or deceased. The International Maritime Organization replaced Morse code with the Global Maritime Distress and Safety System -- an automated ship-to-shore and ship-to-ship system that use satellites and/or terrestrial radio systems with digital selective calling technology. Morse Code is also still used in aviation. Pilots listen to a Morse code identifier to verify that their navigation receivers are tuned to the correct radio aid, such as a VHF Omni-Directional Range (VOR) or Instrument Landing System (ILS) approach guidance system. Railroads stopped using Morse code in the mid-1970s. While Morse code is no longer used commercially, it is still an integral part of amateur radio. Amateur radio operators are no longer required to learn Morse code to obtain their license, but many learn the code on their own or by using study guides and taking classes. Every day, amateurs around the world use Morse code to communicate with each other, test their radio equipment, or pass along friendly information. Morse code is essential in helping people communicate during disasters and emergencies because of its signal ability to penetrate adverse weather issues and propagation disturbance. ARRL offers a variety of resources for those interested in learning Morse code. Visit <http://www.arrl.org/learning-morse-code> for more information.

The 2023 W3Y Dave Kalter Youth DX Adventure team has been assembled. The youth operators are Katherine (Katie) Campbell KE8LQR, Grace Papay KE8RJU, Lilly Colon W8LIL, Agnes Wagner AD8IR and Ben Wagner AD8FQ. They will be operating on July 29 in the RSGB IOTA contest as a World Station from the K3LR Super Contest Station. They are joined with their parents Collen Campbell KB8VAQ, Doug Papay K8DP, Karl Colon KC2GTR and Nick Wagner AC8QG. The leaders are Michael Kalter W8CI and Jim Storms AB8YK. Station representatives Amy Leggieri N8AMY, Teri Grizer K8MNJ and Tim Duffy K3LR.

The Dave Kalter Youth DX Adventure announces their new website at youthdxa.org and is now the only official site of the YDXA. Check it out as it is being updated daily.

Again, our thanks to Amy N8AMY, Teri K8MNJ, Tim K3LR and the K3LR Contest Group for hosting us for this event. Additional thanks to DXEngineering and Dayton Amateur Radio Association (DARA) for their financial and other support for this effort. Contributions already received from other organizations and people will be used for our 2024 trip.

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.



Club Commission Program Update

Clubs are using the Club Commission Program to generate income for the club and promote ARRL membership across the country. From January 1 through March 31 of this year, various clubs generated 217 separate memberships, with 21 of them returning members, 59 new members, and 135 renewals. That translates to a total of \$1,875 paid in commissions to those clubs.

Development is under way to improve the process. As of now, the steps are the same:

- Distribute the application forms to prospective and existing members.
- Collect the applications and fill out a Club Reconciliation Form.
- Send all the forms with the dues to ARRL.

Once the above steps are completed, the club will receive a commission check from ARRL.

The necessary forms are located at [Affiliated Club Benefits \(arrl.org\)](#) under the Club Commission Program link.

Consider having a quarterly event at a club meeting to discuss ARRL membership, and offer this to members. Members can renew at any time without losing time. If your renewal is normally in July and you renew in May, the time is added to your July date.

In the spirit of ARRL's Year of the Volunteers, in 2023 we are offering the following promotion to clubs using the Club Commission Program:

- For every five new members signed through the Club Commission Program through the end of 2023, ARRL will give the club a copy of *The ARRL Handbook*, which can be used as a promotion, a door prize, an auction item at hamfests, or however you choose.

Keep reading ARRL Club News for additional information on how clubs are using this program.

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.
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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.

Butler County Amateur Radio Association W8WRK

Laurel VE Testing Session - hosted by DIAL amateur radio club
Amateur Radio License Examinations at 9:00AM on Sunday April 29th at Fairfield Township Administration Building 6032 Morris Rd. Hamilton, OH 45011. Pre-Registration is required, go to: www.qsl.net/w8blv click on Exams and follow the instructions. Additional info may be obtained from Thurl Golden, KD8VLU (513) 939-4891 tgolden@fuse.net or Ron Spaulding, N8QF, (513) 617-6181 or n8qf@roadrunner.com. There are no Exam Fees!

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

Dial Radio Club, Middleton, OH

Will offer Amateur Radio License Examinations at 6:00PM on Wednesday March 1st at St. John XXIII Elementary School, 3806 Manchester Rd., Middletown, OH 45042. Pre-Registration is required, go to: www.qsl.net/w8blv click on Exams and follow the instructions. Additional info

may be obtained from Dave Williamson, KD8W, (513) 424-5819 or kd8w@ARRL.net or Ron Spaulding, N8QF, (513) 617-6181 or n8qf@roadrunner.com . There are no Exam Fees!

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 2023 are January 15th, March 19th, May 21st, July 9th, September 10th, and November 12th.



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 Jim Mekeel, KE8EMP, email KE8EMP@gmail.com or 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. 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.k8qik.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@k8qik.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

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.

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/>

Pan Ohio Hope Ride Request for Assistance

We are currently looking for additional volunteers for the 2023 Pan Ohio Hope Ride (POHR). POHR is a charitable bicycle ride that supports the American Cancer Society. It is a 4-day ride that spans the state from Cleveland to Cincinnati, with overnight stays along the way in Wooster, Westerville, and Dayton. Thursday, July 20th - Sunday, July 23rd 2023

We are currently looking for assistance in the following roles:

- SAG (Support and Gear) drivers
 - SAG drivers follow along the route in their personal vehicles and provide assistance to cyclists in need. They are provided a tote of equipment (spare tubes, air pump, snacks, water, Gatorade, other misc. supplies) at the beginning of the event and are expected to return unused items at the end. SAG drivers are coordinated and dispatched using MARCS interop channels. Anyone with their own radio is welcome to use it. For all other volunteers, CACHE radios will be signed out each day. SAG drivers are offered prepaid overnight lodging in hotels along the route. They are also provided food every day. Fuel receipts can be submitted at the conclusion of the event for reimbursement if desired. We would love to have SAG drivers accompany us for all 4 days but will accept volunteers for any individual days as well. We would prefer that SAG volunteers are able to commit to at least one full day.
- Rest Stop Transportation Officers
 - Transportation officers will be assigned to rest stops along the route. Transportation officers will be responsible for coordinating SAG pickups at each rest stop, assigning waiting riders to available SAG vehicles as they arrive on site, and then reporting all pickups to net control via radio (MARCS, simplex, or ham repeater depending on cache radio availability) or telephone.

An amateur radio comms plan will be in place for all days of the event, but will serve as a backup with MARCS being the primary means of communication whenever possible.

Anyone interested in volunteering for this event, or with any questions about the event should contact Mat Nickoson, KC8NZJ kc8nzj@outlook.com

As a side note, I've heard many comments from people regarding the past communications leadership of this event. I want to assure everyone that the event is being run by a new group (Event Support Group www.n8esg.org) as of around 2019 and ALL amateurs are welcome and encouraged to participate in this event!

Thanks again and I look forward to your assistance!

Mat Nickoson KC8NZJ COML
[Event Support Group Founder](#)
Ohio ARES District 10 Emergency Coordinator
Cuyahoga County/Cleveland Weather Skywarn Coordinator

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

ARLD027 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.

TIMOR LESTE, 4W. Vasily, R7AL, Mike, RU3UR and Anastasya, R6DTO are QRV as 4W6RU from near Dili until July 20. QSL via R7AL, Club Log's OQRS, LoTW.

SOUTH KOREA, HL. Wouter, PB1WL is planning to be active as HL4/PB1WL from July 17 to August 16. QSL to home call.

TAIWAN, BV. BW2/JP1RIW is active as BM0QSO until December 31, using mostly digital modes. QSL via BM2JCC.

PORTUGAL, CT. Special event station CR6J will be QRV in observance of the 41st International Faro Moto (motorcycle) Gathering in Faro from July 17 to 23. Activity will be on 80 through 6 meters on SSB, CW and Digital. QSL via CT1EHX.

PALAU, T8. Japanese operators JO3LVG and JM1LIG plan to activate T88MK and T88FM, respectively, from the VIP Guest Hotel's Palau Radio Club from September 12 to 19. JR3QFB plans to be there from September 12 to 17 and QRV as T88JH.

PHILIPPINES, DU. Ops DU9XL, DU9XM, DU9HRG, DU9CA, DV9DDX, DV9ARA and DV9BPI will be on the air as DX9EVM from Mindanao Island (OC-130) for the 2023 RSGB IOTA Contest, July 29 and 30. QSL via the bureau or direct.

PAPUA NEW GUINEA, P2. Lowell, DU3LZ has been QRV for the past two weeks as P29LZ. Listen for him on 40, 20 and 15 meters using SSB and in the future on FT8.

SABA, ST EUSTATIUS, PJ5. Operators PA4O and PE6Q will be QRV until July 18 including activity in the IARU HF Championship. During the Contest they will be operating as PJ5C. Outside the contest they will use the calls PJ5/PA4O and PJ5/PE6Q, and be on 80 to 6 meters using CW, SSB and FT8. QSOs will be uploaded to Club Log OQRS.

UNITED STATES, W. During the RSGB IOTA Contest, Jeff, W7BRS plans to operate from the NN7SS station located on Vashon Island (NA-065). This will be a single op, hi-power effort. QSL via K6UFO.

ITALY, I. IU1JCZ, I1NVU, IK1CJO, IK1NEG and IK1QBT will be manning the IP1X multi-op effort in the RSGB IOTA Contest, from Gallinara Island (EU-083). Activity will be on 80 through 10 meters using CW and SSB during the full 24 hours of the contest. The multi-op effort will be low power. QSL direct or via bureau to IU1JCZ and OQRS on Club Log. Also, IZ7AUH, IZ7LDC, IK7WDS, IW7DOL, IW7DMH, IU7EHF and IZ8EGM are heading to San Pietre Island (EU-073) and will activate IJ7DX and IJ7SAT from June 28 to 30. Activity will include QO-100, LEO and MEO satellites. QSL via IZ7AUH.

NETHERLANDS, PA. Dutch ops PA2LO, PA3EYC, PA3GRM, PC3M, PE1KWH and PH3T plan to activate PI4AMF/P from Schouwen-Duiveland (EU-146) in the RSGB IOTA Contest. This will be a multi-two effort. QSL via PA3EYC.

ZAMBIA, 9J. Eddy, OE3SEU is mostly active on the QO-100 satellite, using the call sign 9J2SEU/p, from grids KH55, KH56, KH43 and KH45. When there are many callers he goes split and by call sign number, starting with zero. QSL via LoTW.

NIUE, E6. Stan, LZ1GC and Dimo, LZ1ON will be signing E6AM from October 10 to 23. They will operate CW, SSB, FT8 and maybe some RTTY on 160 to 6 meters. QSL via Club Log's OQRS (preferred), LoTW, or via LZ1GC, direct or bureau.

JAPAN, JA. Ichy, JH7IPR will be active from Okushiri Island (AS- 147) from July 7 to 10. He will be signing JH7IPR/8 on CW, RTTY, SSB and AM, and JH7IPR/p on FT4, FT8, MSK144 and Q65. QSL via Club Log and LoTW.

SINT MAARTEN, PJ7. Ben, PE5B will be QRV as PJ7/PE5B until July 14. QSL via LoTW.

GREECE, SV. John, N4TOL will be active as SV8/N4TOL/p from Samothraki Island (EU-174) from July 10 to 13. He will be QRV mostly on 20 meter CW and possibly SSB.

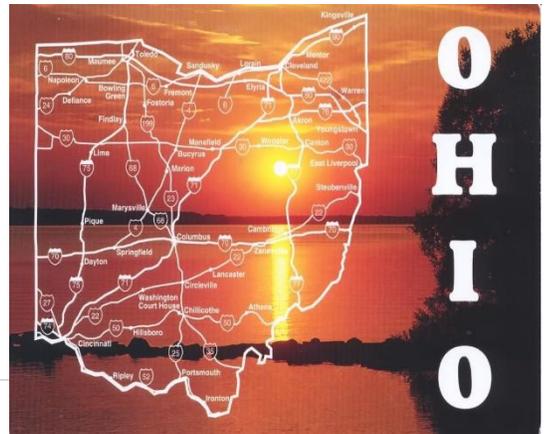
EUROPEAN RUSSIA, UA. The team of R3XDA, RA1QY, RU3EG, RU5D, RZ3EC and UA3EDQ will be active as RI1OR from Bolshoy Solovetsky Island (EU-066) from July 25 to 29. They will operate CW, SSB and digital modes on 160 to 10 meters. A brief activity as R3RRC/1 from nearby Bolshaya Muksalma is also being planned. QSL via RZ3EC.

CANADA, VE. Pierre, VE3KTB will be active as VY0ERC from the Eureka Amateur Radio Club station on Ellesmere Island (NA-008) until July 12. QSL via M0OXO's OQRS.

ST KITTS, V4. John, W5JON will be operating as V47JA from August 28 to September 12, on 160 to 6 meters using FT8 and SSB. QSL direct or LoTW.

Upcoming *Hamfests*

We **DO** have some hamfests scheduled for 2023!!



Ohio Hamfests

2023

07/15/2023 - [NOARSFEST](#)

Location: Elyria, OH

Sponsor: Northern Ohio Amateur Radio Society

[Learn More](#)

07/16/2023 - [Van Wert Hamfest](#)

Location: Van Wert, OH

Sponsor: Van Wert Amateur Radio Club

Website: <http://w8fy.org>

[Learn More](#)

07/22/2023 - [Ashtabula County Hamfest 2023](#)

Location: Pierpont, OH

Sponsor: Amigos Radio Club Ashtabula

Website: <https://sites.google.com/view/arca-home/>

[Learn More](#)

08/05/2023 - [2023 Columbus Hamfest](#)

Location: Grove City, OH

Sponsor: Aladdin Shrine Audio Unit

Website: <http://www.columbushamfest.com>

[Learn More](#)

08/12/2023 - [Cincinnati Hamfest](#)

Location: Owensville , OH

Sponsor: Milford ARC

Website: <https://CincinnatiHamfest.org>

[Learn More](#)

08/19/2023 - [Portsmouth Radio Club Hamfest](#)

Location: New Boston, OH

Sponsor: Jett Fire, Shawnee Computer,

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

[Learn More](#)

08/20/2023 - [WARA Tailgate Swap Meet](#)

Location: Cortland, OH

Sponsor: Warren Amateur Radio Association

Website: <http://w8vtd.org>

[Learn More](#)

09/10/2023 - [Findlay Hamfest](#)

Location: Findlay, OH

Sponsor: Findlay Radio Club

Website: <http://findlayradioclub.org>

[Learn More](#)

09/24/2023 - [Cleveland Hamfest](#)
Location: Berea, OH
Sponsor: Hamfest Association of Cleveland
Website: <http://www.hac.org>
[Learn More](#)

10/29/2023 - [Massillon \(OH\) Hamfest \(& auction\)](#)
Location: North Canton, , OH
Sponsor: Massillon Amateur Radio Club
Website: <http://www.w8np.net>
[Learn More](#)

DX This Week – Gray Line

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



I hope you are keeping cool and tuning the bands. I have heard some surprising DX around the gray line. Last Tuesday, I was able to work the Philippines, Japan, and China on 20 Meters (FT8, FT8, CW) around sunrise. About an hour later, I could not even hear some of the 13 Colonies Special Event stations. You just can't beat time in the chair. Watching the DX Cluster helps. I have my spotting client set up in such a way that it sends a text message to my phone when something is spotted that I need. Although this is very helpful, it can't replace tuning and listening. Because the gray line is so important, I have included an explanation of the gray line in this issue. There is also a major contest announcement from INDEXA in the next section. If you want to learn more about INDEXA, you can visit their website (www.indexa.org) or listen to the latest The DX Mentor Podcast. Let me know what you are working!

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New Contest Announcement from INDEXA by Ralpoh Fedor, K0IR

We as amateur radio operators experience a special magic; the magic of worldwide communication and especially DXing. INDEXA has played a key role in creating that magic and is celebrating its 40th anniversary in helping make that magic happen by sponsoring scores of DXpeditions. To mark the occasion and give something back to our membership, I've put together an operating event, The INDEXA Worldwide QSO Party. It will run from Sept. 2 through Sept. 10 on 160 to 10 with CW, SSB, and RTTY modes. The point structure is: work a non-member of INDEXA - 1 point. Work an INDEXA member - 3 points, Work an INDEXA official - 25 points. Multipliers are each U.S. state, each Canadian province, and each DXCC entity, once per band. You can be as casual or competitive as you like.

I have a website almost ready to launch and have developed a user defined contest module that will run in N1MM as well as a member call history file. It will be listed on the Contest Calendar, in QST, etc. I've submitted articles to CQ Ham Radio of Japan and Funkamateur in Germany, and will have releases on all the popular outlets, and of course, an article in INDEXA's newsletter.

Plaques for top World, NA, SA, AF, EU, and OC will be awarded as well as a bunch of PDF certificates. Logs will be processed, and results generated on one of K1EA's servers.

This is an "everyone works everyone" event to raise awareness of INDEXA and, most of all, provide some on the air fun for everyone.

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The Gray Line by Jay, K4ZLE

This week we will review The Long Gray Line, otherwise known as the twilight zone or the terminator. Contrary to first impressions we will not be talking about the long line of West Point alumni, Rod Serling's old TV program or a movie by Arnold Swarzenegger. Our gray line is the band of transition from daylight to dark on one side of the earth and from dark to daylight on the other. Gray line conditions exist for 30 minutes each side of local sunrise and sunset and act as a conduit for radio signal propagation for frequencies below VHF. That gives us two hours per day for gray line communications. It is especially effective for work on 160, 80, and 40-meter

DX. With the sunspots down and winter upon us, evening DX is most effective on these lower frequency bands.

In a column this short we do not have time to fully develop *why* gray line works. We will spend our time on *how* to predict coverage area. However, for those technically inclined, the short answer for why is that the D layer is absent in the twilight zone. The D layer absorbs MF/HF signals and is fading rapidly for the area in dusk and not yet formed for the area in dawn.

Generally speaking, for gray line work we should orient our antenna to radiate north south. Depending upon the date and whether it is sunrise or sunset, the actual gray line follows a path 23 degrees east or west of north, or 23 degrees east or west of south. The twilight zone extends completely around the earth and signals can travel in either direction. Unless you have a highly directional antenna, do not worry that there is a 46-degree wide path. The half power beam-width for a 1/2 wave dipole is 78 degrees and a vertical radiates equally poorly in all directions. If you have a rotatable antenna, aim it according to the discussion below. Be sure to check both north and south paths to determine which has the strongest signal.

In order to determine which countries lie on the gray line for a given date, we can use the following sunrise table:

Month/Day	Angle	Month/Day	Angle
Jan 1, Dec 12	23 E	Apr 5, Sep 8	5 W
Jan 21, Nov 22	20 E	Apr 19, Aug 25	10 W
Feb 8, Nov 3	15 E	May 5, Aug 9	15 W
Feb 23, Oct 20	10 E	May 26, Jul 19	20 W
Mar 8, Oct 6	5 E	Jan 21	23 W

The table has been abridged in the name of space. For a given date extrapolate between the ones shown in the table.

Let's work through an example. For illustrative purposes we will assume it is Jan 10th and our location is Cincinnati, OH. From the chart above, we find the angle to be 21- or 22-degrees E. If you extend a great circle line starting at an angle of 22 degrees E you will find it passes through the following countries: Southern Greenland, W. European Russia, W. Kazakhstan, Uzbekistan, Turkmenistan, Afghanistan, Pakistan, Laccadives, Chagos, Easter Is. and Central America. That takes care of sunrise; how about sunset? For sunset swing the same number of degrees depicted in the chart, but to the other side of north. In the Jan 10th example, we swing 22 degrees *west* of north to circumscribe our circle ($360 - 22 = 338$). Such a line passes through the following countries: W. Asiatic Russia, Korea, Taiwan, Spratley, E. Malaysia, Brunei, and Indonesia.

Notice for dates near March 23rd and September 23rd, otherwise known as the equinox, the sunrise and sunset gray line paths are near identical since the angle is zero degrees. Countries on a north-south path from Cincinnati are Central Russia, Mongolia, Mynamar (Burma), Andaman, Cocos (Keeling), Cocos, San Felix, Juan Fernandez, and Peter I.

To determine sunrise or sunset on the PacketClusterⁱⁱⁱ use the command SH/SUN without a qualifier for local sunrise and sunset. Add the prefix for the desired country to find out sunrise and sunset times at a remote location; for example, SH/SUN VQ9 returns the times for the Chagos. If you suspect a given country is on today's gray line, you can check it on PacketCluster by first finding out your sunrise/sunset times and then finding the same for the country in question. If two of the times are within half hour of each other, a gray line path exists. Computer programs exist that do gray line calculations and provide visual presentations of the path for any day, sunrise, and sunset. Look for ads in the various ham journals.

Gray line is easy and gray line is fun. It is possible to work very exotic DX at reasonable times of the day. Just make sure your low band dipole is oriented for a north-south path and be on the air a half hour each side of sunrise or sunset. Then Listen, Listen, Listen. You will be surprised what you can hear AND work.

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

Tuvalu, T2C - A DXpedition to Tuvalu, T2C, plans to be on the air this October.

“We finally have all the permits for our planned destination in October 2023 and can announce this new DXpedition to Tuvalu,” reports Rolf, DL7VEE. The team will consist “mostly of members of the P29RO DXpedition in October 2022, supplemented by new experienced ops.”

Plans are for T2C to be on the air October 10 to October 30th, operating around the clock on CW, SSB, RTTY, and FT8 on 160 through 6 meters. They expect to have four stations with linear amplifiers while emphasizing the higher bands.

Tuvalu, located in the South Pacific Ocean, is an independent island nation within the British Commonwealth. It has nine islands, thinly populated atolls and reef islands with palm-fringed beaches and World War II sites.

Clipperton Island, TX5S - The TX5S Clipperton Island DXpedition is planned for January 18 to February 1, 2024. Equipment consolidation took place in early June. Three-time Clipperton veteran John, N7CQQ, donated equipment from his previous projects, including a 220 VAC power grid, a rebar tent and antenna staking solutions.

This month, DXpedition members will source campsite tents and generators and attend to other logistics. In December, they will integrate, test, and pack their equipment.

TX5S plans to have a significant amateur satellite presence. Their operators are making test QSOs on the IO-117 (GreenCube) satellite. Andreas, N6NU, is preparing equipment and antennas for this effort. Several AMSAT members have provided valuable help and advice.

For ongoing updates, visit the Perseverance DX Group website.

The Yasme Foundation - Two members of the National Communications Authority (NCA) of South Sudan visited Addis Ababa, Ethiopia last week to see the ET3AA club station, learn more about amateur radio, and gather information from members of the Ethiopian Amateur Radio Association (EARA). There is interest in establishing a similar club in South Sudan and creating a pathway for local citizens to gain access to amateur radio. It is hoped that this visit will help to further that effort. Travel for NCA was provided by the Yasme Foundation. If you are not familiar with the Yasme foundation, you should check them out at www.yasme.org

American Samoa, KH8RRC - KH8RRC should be active from Tutuila (OC-045), American Samoa by the time you read this. Yuri, N3QQ, Hal, W8HC, and James, KB2FMH will be active as KH8RRC from Tutuila (OC-045), American Samoa on July 4th to the 18th. They plan to operate CW, SSB and FT4/FT8 on 80-6 meters from a mountaintop location within the American Samoa National Park. This will be the first ever POTA activity on the island. QSL via ClubLog's OQRS, or direct to KB2FMH, 'LoTW afterwards'.

Faroe Island - Mek SP7VC together with Kasia SQ7OYL are going to be active from Faroe Island from July 23 to July 26 as OY/SP7VC. They will then travel to Iceland from July 27 to August 17, 2023, as TF/SP7VC. Mek hopes to start radio activity on July 22 on a ferry with the callsign SP7VC/mm where he will work from marine locators in the 70MHz band. They are travelling by motorhome and can take all their needed amateur radio equipment. They're planning to be active on 20 meters and in the VHF segment on 50, 70 and 144MHz bands with amplifiers.

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CONTEST CORNER

Below is a list of upcoming contests in the “Contest Corner”. I think this is important for someone who is trying to move up the DXCC ladder since entities that are on the rarer side and easiest to work in contests. Some of my best “catches” have been on the Sunday afternoon of a contest when the rarer entities are begging for QSOs. Of course, the gamble is that if you wait until Sunday, conditions may change, or they simply won't be workable. However, it is not a bad gamble. Of course, why not work the contest and have some fun!

Check out the WA7BNM Contest Calendar page (<https://www.contestcalendar.com/>) and CQ Magazine for more contests or more details. I also have a comprehensive list that can be imported to your calendar at www.aj8b.com/files

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

Thanks!

Date(s)	Event	Info
All Year	CQ DX Marathon	http://bit.ly/3FyPiui
July 12	RSGB 80m Club Championship, SSB	http://bit.ly/3TxCrxl
July 12	VHF-UHF FT8 Activity Contest	http://www.ft8activity.eu/index.php/en/
July 15-16	CQ WW VHF Contest	http://www.cqww-vhf.com/
July 15-16	IARU Region 1 70 MHz Contest	https://bit.ly/3r1kqvT
July 15-16	North American RTTY QSO Party	http://ncjweb.com/NAQP-Rules.pdf
July 16	CQC Great Colorado Gold Rush	http://www.coloradoqrpclub.org/contests/gold.htm
July 16	RSGB International Low Power Contest	http://bit.ly/3TxCrxl
July 17	RSGB FT4 Contest Series	http://bit.ly/3TxCrxl
July 19	VHF-UHF FT8 Activity Contest	http://www.ft8activity.eu/index.php/en/
July 22-30	Maidenhead Mayhem Sprint	https://w9et.com/rules.html
July 22	YOTA Contest	https://www.ham-yota.com/contest/
July 27	RSGB 80m Club Championship, Data	http://bit.ly/3TxCrxl
July 29	WAB 144 MHz Low Power Phone	http://bit.ly/31yE4kT
July 29-30	RSGB IOTA Contest	http://bit.ly/3TxCrxl
July 30	ARS Flight of the Bumblebees	http://arsqrp.blogspot.com/
Sept. 23-24	CQ WW RTTY DX Contest	http://www.cqwwrtty.com

OHIO'S



Our nation's birth was celebrated this past week with celebrations, reunions, festivals and a lot of fireworks on the Fourth. But did you know the Declaration of Independence was NOT signed on July 4, 1776 as a lot of us think? Although the document's final text was approved by the Continental Congress on that date, the actual signing ceremony did not take place until August 2, 1776. But the final signer, Thomas McKean from Delaware, did not sign it until in 1777.

Now that this week's history lesson is over, we're trusting everyone had an opportunity to slow down and have a good, safe and enjoyable time with family and friends and took in some American July 4 traditions like hot dogs, fireworks, ice cream and watermelon. It's also hoped your downtime also included some time spent on the air with your fellow hams.

On July 7 the 15th annual '13 Colonies on the Air' special event concluded. For those of you not familiar with the event the goal was to work each of 13 special event 1 x1 call sign stations (K2A-K2M) representing each of the original 13 colonies. This year's theme is 'the Signers of the Declaration of Independence'. In each past year the event has been very popular and this year was no exception with pileups on some stations deep. Several familiar calls were heard. Jeff Slattery, N8SUZ, from Athens and Steve Stuckey, AC9GK, from Bainbridge were just two of several with signals that really jumped out. I understand Steve had a clean sweep on the first day. As this is written, New Jersey was just worked and the clean sweep is in my log.

Because of the July 4 holiday the **Portsmouth Radio Club** decided to move its July meeting to Monday, July 10. It will be at the same time as normal. A VE session is planned for prior to the business meeting. It will be at the usual Portsmouth American Legion Post location.

Although there doesn't seem to be that many ham radio related things happening in July, one that does stand out happens on July 21 and 22 in Huntington, WV when the **West Virginia Museum of Radio and Technology** will hold their annual **Summer Heat Swap Meet and Auction** at their Museum. A road trip to this outstanding radio and electronics oriented Museum could be a great outing for a batch of hams or just those interested in classic home radios to make. The exhibits are not totally ham radio related, but take one from the early days of the birth of radio to today's electronic do-dads. If it's radio related, there is probably something about it on exhibit. On these dates not only can you tour the exhibits, but also there is a bonus classic radio swap meet all in a single worthwhile trip. You can even see who are honored in the West Virginia Broadcasting Hall of Fame-like Grandpa Jones, Soupy Sales, Don Knots, Ted McKay and Norm Knight. Check out their web site at www.mrtwv.org for more info. YouTube features numerous videos highlighting the Museum and its exhibits.



There might not be that much happening in July, but it appears you can hit a hamfest in the South 40 coverage area almost every Saturday morning in August. The month kicks off with the

annual **Columbus Hamfest** on August 5 at the Shrine Center just South of Columbus in Grove City. It is sponsored by the **Aladdian Shrine Audio Unit** and features both an inside and outside flea market, a food truck and testing opportunities. Then on August 12 the **Milford ARC** will hold the **Cincinnati Hamfest** at the Clermont County Fairgrounds in Owensville. This event too will have an inside and outside flea market and a free VE test session conducted for the MARC by the **Highland ARA**. Visit the www.cincinnatihamfest.org website for more information and see how you might qualify for a free flea market table or win a great radio. On the following Saturday morning (August 19) the popular **Portsmouth RC** hamfest will return to the New Boston Community Center on for this year's event. Because it will be earlier in the year it's anticipated the weather will cooperate and there will be an outside tailgate sales area this year. Arrangements have been made with the adjoining Tractor Supply store for additional parking therefore opening up tailgating spaces. Contact Jennifer Bailey, N8JEN, for more info.

In the Eastern part of the South 40 region, the third annual **Buffalo 10 Meter Net's Ham Radio Swap Meet** will be held in conjunction with the Leavitt Car Show on September 16 in Belpre. The event is totally free and includes door prizes, music, food and drink. Visit the www.buffalo10meter.net website for details.

On August 11 through the 13th the **Cambridge ARA** will commemorate the 110th anniversary of the Club's founding by manning a club information booth at the Salt Fork Arts and Crafts Festival in the Cambridge City Park. Lyn Alfman is asking for some additional volunteers to assist with the manning of that booth during the three days of the event. Contact her for more information or to volunteer your services.

It's good to see the Commission's computer system back up, functioning and spitting out licenses, upgrades and renewals. One of the new licenses just issued is to Brayden Lehrman of Greenfield. He has been issued a Technician License and the KE8YSA call sign. Congrats to him. Now let's get him on the air.

The **Athens County ARA** will conduct an ARRL VE testing session on August 21 at the Red Cross Building in Athens. It will begin at 7 PM. Contact VE Coordinator Jeff Slattery, N8SUZ, for information.

Fellow OSJ columnist Anthony Luscre recently distributed a request to local clubs continue with participation in on-the-air activities now that Field Day is over. He encouraged getting into one of your local parks with a "POTA Party" as well as plan to participate in the August Ohio QSO Party or the September Ohio State Parks on the Air event. Although a "POTA Party" can happen at any time, we're reminded the upcoming **Mad River RC's** Ohio QSO Party will be on August 26. This 12 hour operating contest is sponsored by the with an objective to work as many of Ohio's 88 counties as possible on the various HF bands using phone and/or CW. The event rules can be found at www.ohqp.org.

Marietta's K8RYU, Ralph Matheny, tells us of the **Washington County Emergency Net** weekly session on 3925 each Sunday at 1 PM. As far as he knows the Net has been operating since sometime in the 1950s with it and another net in the Van Wert area as possibly the oldest surviving nets in the State.

Although Field Day 2023 is in the rearview mirror, I have received reports from some clubs and individuals of their observations. Ralph Matheny, K8RYU, said conditions were about the same as he recalled from last year. He made around the same number of contacts on CW as last year and even made a brief visit to the SSB mode. However I suspect he would have rather been fishing. Like a number of other clubs the **Portsmouth RC**'s participation was down from past years, but it still was an enjoyable time. Especially when a new ham shows up and gets his feet wet making contacts. A high percentage of the Clubs contacts were on FT8.

On September 9 the 8 hour Ohio State Parks on the Air operating event takes to the airwaves. Since its 2008 start with activity from 36 parks. Last year 65 parks showed activity with 108 logs representing 60 parks submitted for scoring. Those submitted logs showed 11,127 contacts made. The event has experienced growth in not only activations and numbers of contacts, but with the number of clubs and people participating. 2022 saw 53 clubs represented with over 280 members assisting. Additionally a new category had to be created to address the number of stations activating parks as rovers. According to the OSPOTA web site planned activations now stand at 22. A look at the list shows several parks in the region show no posted plans to be activated. Therefore by activation one of these parks you may become very popular by being a station chased instead of being a chaser. Check the www.ospota.org website for planned and past activations, this year's rules and an overview of the event in general.

A tip of the cap to Dr. David Gunderman, K8DG. David was named the Chief of Medicine during the recent reorganization of the Highland District Hospital's Executive Medical Committee. Gunderman is a member of the **Highland ARA**. It was his father, Robert (W8INO), who made a donation of hand crafted equipment that he designed in the 1950s to the West Virginia Museum of Radio and Technology.

Thanks to the **Southwest Ohio DX Association**'s newsletter we learn that Dwight Kelly, K4YJ, placed first in the Eighth Call Area in the CQ Magazine's "CQ DX Marathon". The article also mentioned that Dwight had received a "clean sweep" mug from the past ARRL Sweepstakes. Who says you have to live on one of the coasts and run big power to win a radio contest? Dwight lives in Pike County and was entered in the 100 watt category.

The **Athens County ARA** will assist with communications for the upcoming August 5 Gravel Run and the 12 Bailey's Run races. Anyone wishing to assist the Club in either or both

events or wishing to learn more about the events is urged to contact Jeff Slattery, N8SUZ, for information.

Earlier the outstanding West Virginia Museum of Radio and Technology in Huntington was mentioned. This calls attention to another couple of radio museums worthy of a visit and not that far from the Buckeye State. A popular area for Ohioans to visit is the Smoky Mountains. Just a couple hours east of the Smokies is the Southern Appalachian Radio Museum on the campus of the Buncombe Technical College in Asheville, North Carolina. Featuring a free admission it is open on Saturdays through November. Closer to home, the National Voice of America Museum of Broadcasting is located at the former VOA Bethany Relay site near West Chester, OH. Although the museum will be closed a couple weekends in August, it is generally open each Saturday and Sunday afternoon throughout the year. An admission is charged for adults.

The registration date for the proposed West Virginia Auxcomm Class has been pushed back to July 11 in order to obtain the one additional person needed to conduct the training. The proposed session will be on July 15 and 16 at the Cabell County 911 Center in Huntington. As there is a prequired certification needed, it would be best to contact jmangus@metro911.org to make sure all is in order for your attendance.

Until next time here's hoping each of you have a great and safe week. Plus one that might afford you some time to be 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 week’s Question: Do you operate POTA as either an Activator or a Hunter?

A) Yes, or B) No



My apologies, last weeks questions got lost in the translation on the website!

(This is a subliminal message: Go to the Ohio Section Website, on the bottom left of the landing page answer this week’s question. **AND DON’T FORGET** – look for the Big Red Arrow and sign up for the June Handbook give away!)

AND THE June HandBook winner is: Bob Hajdak N8QE !

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://arri-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://arri-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@arri-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@arri-ohio.org and we'll get them added to the Ohio Section Emailing list.



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



You can always “Opt-Out” at any time if you feel this is not what you were expecting. It’s fun and very informative. All of your favorite past newsletters are now archived too. You can go back at any time and read them.

Just go to: <http://arrl-ohio.org/news/>

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!