



“February 13, 2023”

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CQ CQ CQ de WB8LCD

3Y0J – Bouvet Island has certainly been in the Ham Radio news a lot these past couple of weeks. They call it “The Most Remote Uninhabited Place On Earth” – and not without good reason! It’s a tough place to get to, and expensive. Not to mention dangerous. Yet this team raised over \$715,000, are risking life and limb in some unbearable conditions, all so you can get a rare one, and for lots an ATNO. I hold these guys in High-Esteem. I appreciate what these guys, their team and their supporters do *way more* than football teams and players! Thank you. I wish you good DX and safe travels.

Congratulations to the QRP Amateur Radio Club International – (QRP ARCI), which has just become an ARRL Affiliated Club. I’ve been a QRP ARCI member for quite a number of years and I have to say, I have found their quarterly magazine a really good resource for all things QRP, and I have attended the Four Days In May (FDIM) event, several times (It runs concurrently with HamVention) and it’s always a worthwhile event! You can find more info at www.qrparci.org .

Last week I commented on Ham Opr’s Estate Planning. Anthony – K8ZT suggested the following:

Silent Key Estate Planning — A Guide (& New Year's Resolution) Dino Papas, KLØS
https://youtu.be/Ybz4z_6YL0M

OH Section ARES

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

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

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



Youth Net

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

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

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

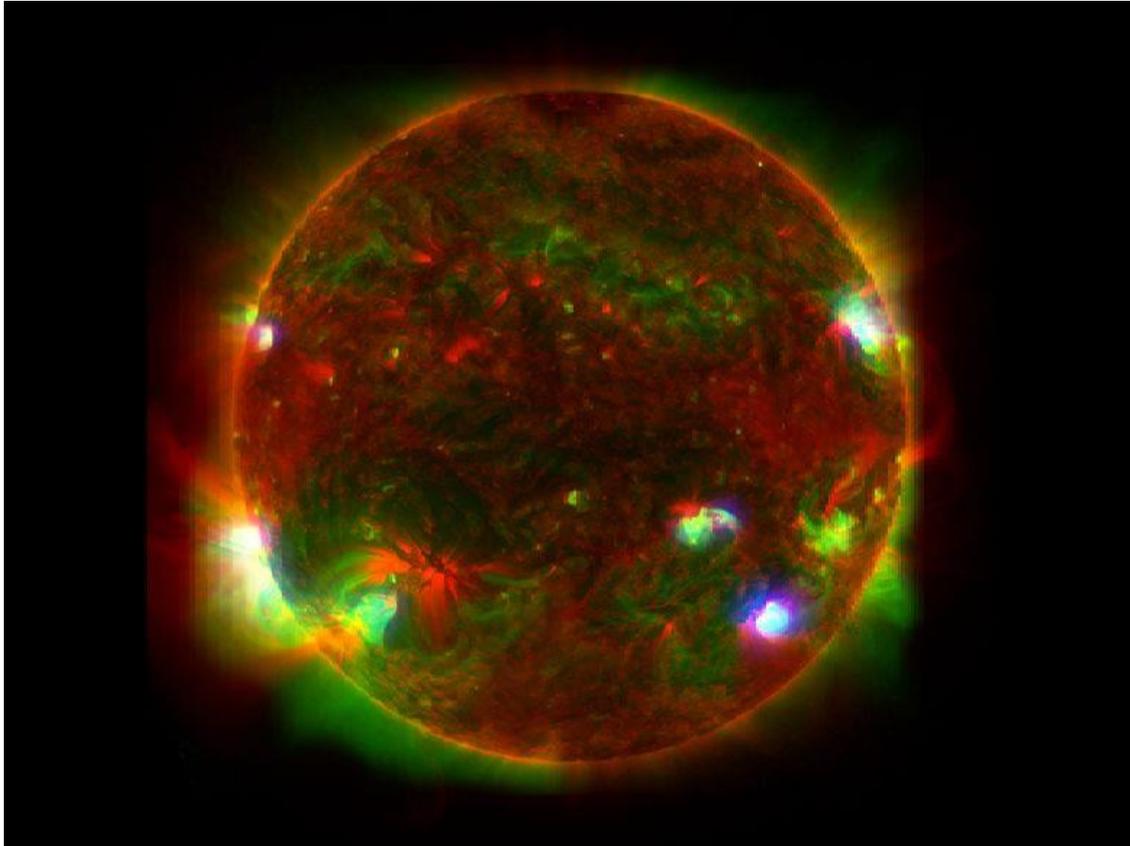
The purpose of this net is to encourage youth activity in amateur radio and to help new hams get more comfortable on the air.

Next Net is Sunday February 12th

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

National News

(from ARRL and other sources)



High-Energy X-rays Reveal Hidden Light Shows on the Sun

Even on a sunny day, human eyes can't see all the light our nearest star gives off. A new image displays some of this hidden light, including the high-energy X-rays emitted by the hottest material in the Sun's atmosphere—called the corona—as observed by the [Nuclear Spectroscopic Telescope Array](#).

While the observatory typically studies objects outside our solar system – like massive black holes and collapsed stars – it has also provided astronomers with insights about our Sun.

[Take a Closer Look](#)

Dave Kalter Memorial Youth DX Adventure

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

Applications now being accepted.

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

Team applications for the 2023 trip are

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

Youth on the Air Camp 2023 Application Period Now Open

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

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



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

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

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

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

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

Amateur Radio Events Celebrate the Universe

Two amateur radio events are scheduled in mid-February to celebrate an astronomer who mapped the universe and an astronomer who discovered a planet.

The [Northern Arizona DX Association](#) (NADXA) has been conducting a 10-year special event countdown to the 100-year anniversary of Pluto's discovery. The planet was spotted in 1930 by Clyde Tombaugh at the Lowell Observatory in Flagstaff, Arizona. This is the third year of the special event, which will run from February 11 - 19, 2023. NADXA club members will operate from the Lowell Observatory and their own stations. They will be using the call sign W7P on most bands and modes, beginning February 11 at 00:00 UTC through February 20 at 00:00 UTC. Also operating will be W7P/0 from Kansas City, Missouri. The W7P/0 station is managed by the nephew of Clyde Tombaugh, Doug Tombaugh, N3PDT.



W7P QSL card.

Last year's event resulted in more than 7,000 QSOs, 58 DX entities, and 17,000 lookups on <https://www.qrz.com/>.

In Poland, from February 17 - March 5, 2023, the [Polish Amateur Radio Union \(PZK\)](#) will operate nine special event stations honoring the 550th anniversary of the birth of Nicolaus Copernicus. Copernicus mapped the universe and formulated a model that placed the sun, rather than Earth, at its center.

The nine special event stations will operate from February 17 at 00:00 UTC to March 5 at 23:59 UTC, using the following call signs: SN550K, SN550O, SN550P, SN550E, SN550R, SN550N, SN550I, SP550K, and SN550NC.

All amateur operators can participate, and QSL cards and other awards will be available.

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

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

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

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

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



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

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

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

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

ARRL Foundation Accepting Applications for Grants in February

The ARRL Foundation is now accepting applications for grants to amateur radio organizations. The grants program awards limited funding to organizations for eligible amateur radio-related projects and initiatives, particularly those with a focus in educating, licensing, and supporting amateur radio activities. Youth-based projects and initiatives are especially encouraged. The ARRL Foundation grants program accepts proposals on a cyclical model three times a year, in February, June, and October. Proposals for the February grant period are being accepted through February 28. Awardees will be notified approximately 1 month after the closing of each cycle.



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

Registration Open for the 2023 QSO Today Virtual Ham Expo

The 2023 QSO Today Virtual Ham Expo will be held on March 25 - 26, and registration is now open.

The event is a fully interactive virtual ham radio convention offering new content, networking opportunities, and more than 50 amateur radio presentations on a wide variety of subjects.

There is still time to participate in the event as a presenter. You can submit an application to present a video on a topic of your choice. The deadline for submission is February 15, 2023. Tickets are \$15, and registration information can be found at the [QSO Today Virtual Ham Expo](#) website.



-- ARRL is a QSO Today Expo Partner.

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@arrrl-ohio.org



Please! Format as below:

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

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

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

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

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

DARA Tech Class

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

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

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

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

Please feel free to distribute widely!

Thanks for the help,

73 de N8NMG – John

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

Ham Radio License Instruction
For February and March 2023

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

Feb 20th and 27th on-line

March 6th in person at the Red Cross

March 13 on-line

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

Cost: Free, except for the book, which should be purchased by the individual student.

Sponsors: The OHKYIN Amateur Radio Society, and the Queen City Emergency Net.

Lucas County ARES

The next scheduled LCARES general meeting is 0900 Saturday February 25th at the Lucas County EMS training facility 2127 Jefferson Ave Toledo OH. The next scheduled LCARES Hospital Radio Test will be held Immediately following the February 25th LCARES meeting. Members that have already traveled from home that morning for the meeting would not have to go out again on another day for the Hospital Radio Test. If you are planing on attending the meeting and would like to help test the Hospital radio test on your way home, please let Mike W8MAL or Rich KE8IJV know. The will help you with the information you need.

ICS-100 in-person class to be held on March 2nd from 8:30AM through 5PM with a 1 hour lunch break. Contact Mike W8MAL at email address education@lucasares.org to enroll.

American Heart Association CPR Training will be available April 22 2023 at the Lucas County EMS Training facility 2127 Jefferson Ave. immediately following the LCARES monthly meeting. If you would like a card to be issued to you, A \$20.00 fee is required. To register for the training contact Mike_W8MAL at email address education@lucasares.org

Additional – These training oppotunities are **NOT** limited to licensed Amateur Radio Operators. If you have family or friends that may be interested, please have them register as well.

Skywarn Training will be held on March 14th from 6pm-8pm at the Maumee Branch of the Toledo Lucas County Public Library. On the lucasares.org website Skywarn page is a link to follow for registering with NWS Cleveland. While you are on the NWS Cleveland website registering for Maumee, you could also register for another Skywarn Training on March 22nd from 6pm-8pm in Sandusky County, Terra State Community College, The Neely Center 2830 Napoleon Rd. Fremont, OH. These are two opportunities for the Skywarn nearby. If you can't make one, maybe the other.

The next LCARES Board Meeting will be Saturday, February 25 at 8:00am at the Lucas County EMS Training Facility, 2127 Jefferson Ave. Toledo, OH

The Ohio Statewide Tornado Drill will be Wednesday March 22nd. 0950. Skeet KD8KXD will run a Net for the drill. Check in's will begin at 0930.

Spring Severe Weather Awareness Week is March 19-25 2023

LCARES is sponsoring a Trunk Sale and Swap meet on Sunday May 7th from 0900 – 1330 at the Toledo Speedway 5639 Benore Road Toledo OH. Volunteers to help with event would be appreciated. For more information go to lucasares.org

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

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

NOTE:

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

How to Plan and Apply for an ARRL Hamfest or Convention

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

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

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

VE Sessions

The following information is for ALL exam sessions:

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

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

All Things Amateur Radio Association (ATARA)

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

CARS

VE testing from CARS - Cuyahoga Amateur Radio Society - at Elmwood Recreation Center, 6200 Wisnieski Parkway in Independence, Ohio 44131 Time: 9:15 AM (Walk-ins allowed) Always the 2nd Sunday of the odd month. Go to CARS www.2cars.org for detailed map of location. Call Metro W8MET 216-520-1320 for details

Clark County Amateur Radio Association (CLARA)

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

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

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

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

buzz@baylorhill.com

Dayton Amateur Radio Association (DARA)

If you are interested in testing for a new or upgraded license, please come see us at the DARA Clubhouse. If you have questions about testing, please email exams.w8bi@gmail.com

Huber Heights Amateur Radio Club

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

The Lake County Amateur Radio Association

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

Saturday, February 4
Saturday, April 1
Saturday, June 3

Saturday, August 5
Saturday, October 7
Saturday, December 2

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

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

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

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

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

The Lancaster and Fairfield County Amateur Radio Club (LFCARC)

hosts exam sessions at the FAIRFIELD County EMA, 240 Baldwin Dr in Lancaster Ohio, 43130, on the first Saturday each month at 10:00 am. Please visit our website at <http://www.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

Club Commission Program

One of the benefits of being an ARRL Affiliated Club is having access to the Club Commission Program. Affiliated clubs can use this program to receive a commission for promoting

membership in ARRL. When you sign a new member, the club gets \$15, and when a member renews through the club, you get \$5.

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

Your Club news should be listed here!

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

DX This Week – Solar Numbers Part 1

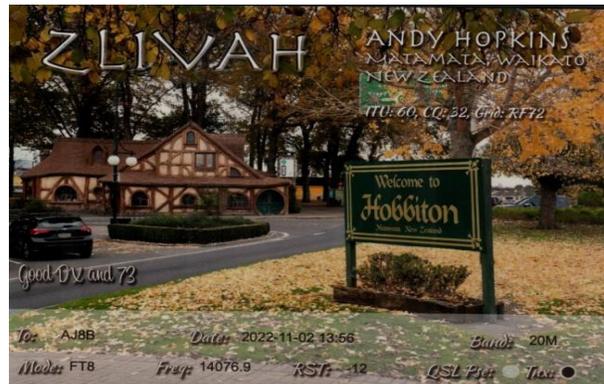
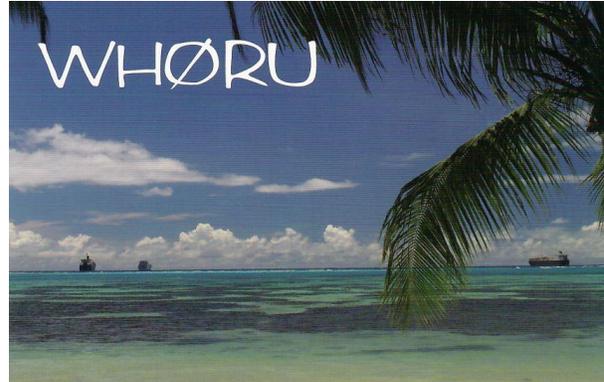
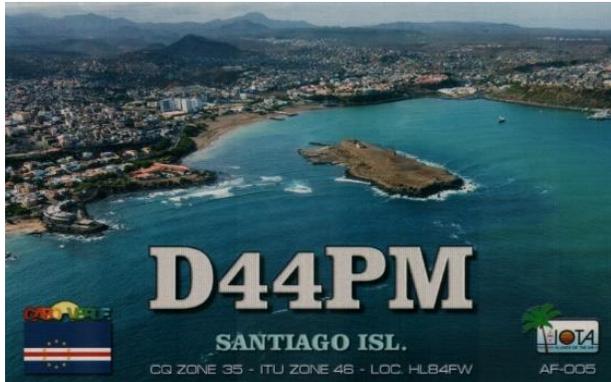
Bill AJ8B (aj8b@arrl.net, @AJ8B, or www.aj8b.com)
CWOPs Member #1567

This week, the main topic is a discussion of Solar Numbers. There are many new hams that haven't gotten some of the basics of propagation so I thought this would be a good time to repeat the Solar Numbers discussion.

Don't forget about the DX Mentor podcast. We have seen a steady increase in listeners and would love to have you join us and provide some feedback. Just go to your favorite podcast app and search on The DX Mentor.



Cards Received since the last issue include D44PM – Pierpaolo on Santiago Island in Cape Verde Island group, WH0RU – The Northern Marianas Contest Club, XE3AA – Campeche, Mexico, and ZL1VZH – Andy in Hobbiton, New Zealand.

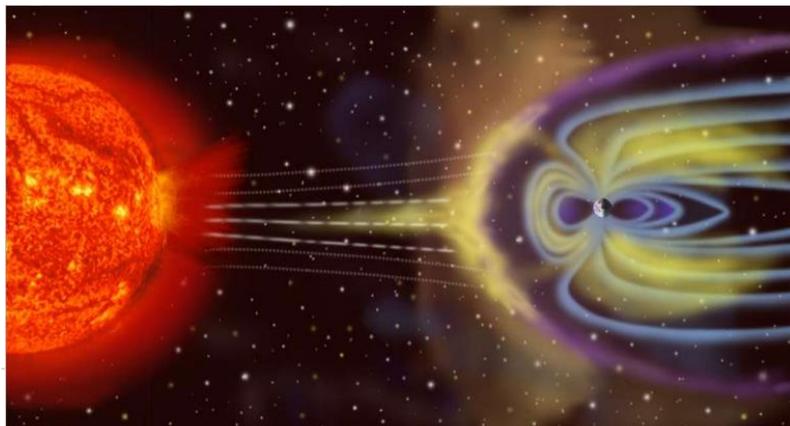


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Each year I like to review what you need to know to work DX. This week and next we will review Solar Numbers. K9LA, Carl Luetzelschwab, a leading expert on the topic, crafted an article on Solar Numbers. I have reprinted it below with Carl's permission.

Solar Numbers – What they Mean Part 1:

By Carl Luetzelschwab, K9LA



The Sun's Magnetic Field Meets the Earth's Magnetic Field - Wikipedia

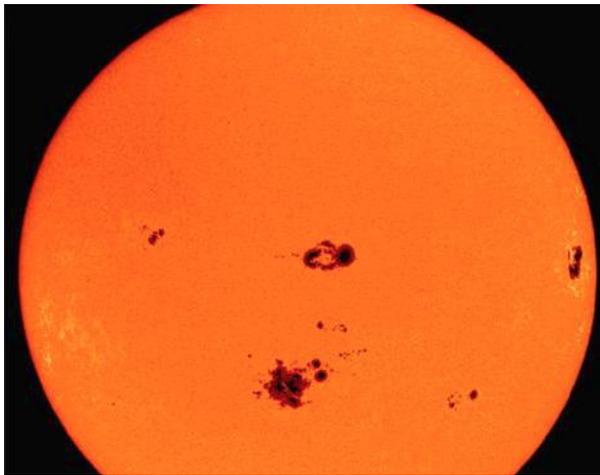
The sun emits electromagnetic radiation and matter because of the nuclear fusion process. Electromagnetic radiation at wavelengths of 100 to 1000 Angstroms (ultraviolet) ionizes the F region, radiation at 10 to 100 Angstroms (soft X-rays) ionizes the E region, and radiation at 1 to 10 Angstroms

(hard X- rays) ionizes the D region. Solar matter (which includes charged particles--electrons and protons) is ejected from the sun on a regular basis, and this comprises the solar wind. On a "quiet" solar day the speed of this solar wind heading toward Earth averages about 400 km per second.

The sun's solar wind significantly impacts Earth's magnetic field. Instead of being a simple bar magnet, Earth's magnetic field is compressed by the solar wind on the side facing the sun and is stretched out on the side away from the sun (the magnetotail, which extends tens of earth radii downwind). While the sun's electromagnetic radiation can impact the entire ionosphere that is in daylight, charged particles ejected by the sun are guided into the ionosphere along magnetic field lines and thus can only impact high latitudes where the magnetic field lines go into the Earth.

Additionally, when electromagnetic radiation from the sun strips an electron off a neutral constituent in the atmosphere, the resulting electron can spiral along a magnetic field line (it spirals around the magnetic field line at the electron gyrofrequency). Thus, Earth's magnetic field plays an important and critical role in propagation.

Variations in Earth's magnetic field are measured by magnetometers. There are two measurements readily available from magnetometer data--the daily A index and the three-hour K

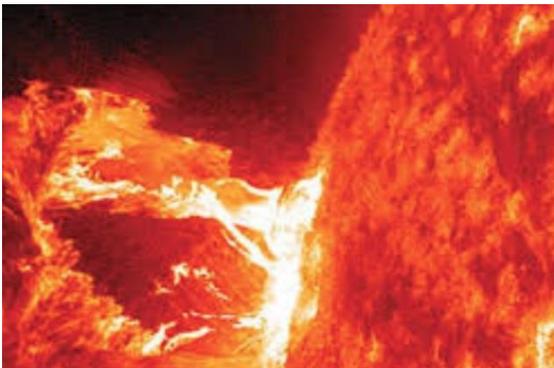


Sunspots

index. The A index is an average of the eight 3-hour K indices and uses a linear scale and goes from 0 (quiet) to 400 (severe storm). The K index uses a quasi-logarithmic scale (which essentially is a compressed version of the A index) and goes from 0 to 9 (with 0 being quiet and 9 being severe storm). Generally, an A index at or below 15 or a K index at or below 3 is best for propagation.

Sunspots are areas on the sun associated with ultraviolet radiation. Thus, they are tied to ionization of the F region. The daily sunspot number, when plotted over a month time frame, is very spiky. Averaging the daily sunspot numbers over a month results in the monthly average sunspot number, but it is also

rather spiky when plotted. Thus, a more averaged, or smoothed, measurement is needed to measure solar cycles. This is the smoothed sunspot number (SSN). The SSN is calculated using six months of data before and six months of data after the desired month, plus the data for the



Solar Flare

desired month. Because of this amount of smoothing, the official SSN is one-half year behind the current month. Unfortunately, this amount of smoothing may mask any short-term unusual solar activity that may enhance propagation.

Sunspots come and go in an approximate 11-year cycle. The rise to maximum (4

to 5 years) is usually faster than the descent to minimum (6 to 7 years). At and near the maximum of a solar cycle, the increased number of sunspots causes more ultraviolet radiation to impinge on the atmosphere. This results in significantly more F region ionization, allowing the ionosphere to refract higher frequencies (15, 12, 10, and even 6 meters) back to Earth for DX contacts. At and near the minimum between solar cycles, the number of sunspots is so low that higher frequencies go through the ionosphere into space. Commensurate with solar minimum, though, is less absorption and a more stable ionosphere, resulting in the best propagation on the lower frequencies (160 and 80 meters). Thus, in general, high SSNs are best for high-frequency propagation, and low SSNs are best for low-frequency propagation.

Most of the disturbances to propagation come from solar flares and coronal mass ejections (CMEs). The solar flares that affect propagation are called X-ray flares due to their wavelength being in the 1 to 8 Angstrom range. X-ray flares are classified as C (the smallest), M (medium size), and X (the biggest). Class C flares usually have minimal impact to propagation. Class M and X flares can have a progressively adverse impact to propagation.

The electromagnetic radiation from a class X flare in the 1 to 8 Angstrom range can cause the loss of all propagation on the sunlit side of Earth due to increased D region absorption. Additionally, big class X flares can emit very energetic protons that are guided into the polar cap by Earth's magnetic field. This can result in a polar cap absorption event (PCA), with high D-region absorption on paths passing through the polar areas of Earth.

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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:

9U – Burundi - The 9U4WX and 9U5R band plan has been released. As a reminder IV3FSG, Elvira, and OK4WX, Vladimir, as 9U5R and 9U4WX respectively from February 4-27. They plan to operate on the following frequencies:

CW - 3519, 7010, 10109, 14019, 18069, 21019, 24890 and 28019 KHz
SSB - 3795, 7125, 14215, 18140, 21295, 24940 and 28485 KHz
FT8 - 3567, 7059, 10131, 14093, 18098, 21094, 24911 and 28094 KHz.

QSL 9U5R via IK2DUW and 9U4WX via IZ8CCW.

5V – Togo - F5LCX, Eric, will be visiting Lome, Togo on holiday for two weeks. While there he plans to be QRV as 5V23LE using an FT-857 and Atlas 120. Radio will be in his spare time between February 13 and 25.

V2 - Antigua and Barbuda - Change of plans for the EI DX Group as originally there were going to Montserrat however "due to cancellation of the ferry service" they are now going to V2. They considered "chartering a plane but due to excess luggage the cost was prohibitive". The team includes EI2II, EI2JD, EI2KM, EI4BZ, EI4HH, EI4L, EI5GM, EI5IX, EI6FR, EI9FBB and EI9HQ. They will be operating on all bands from 1.8 through 28 MHz as V26EI from March 24 to April 2. Plans are to have four IC-7300's and three Acom 1010 amplifiers. For antennas they will have a hexbeam, Spiderbeam and verticals. QSOs will be uploaded to Club Log and LoTW. M00XO will be handling the QSLing duties.

BV – Taiwan - BU0SAR will be a "memorial station for USAR (Urban Search And Rescue) Branch/Team of New Taipei City Fire Department, Taiwan, in celebration of [their] 10th anniversary, along with [a] certification by National Accreditation Process". Activity will take place from March to August.

JD1/M - Minami Torishima - JG8NQJ/JD1, Take, will be working on the island for two months starting around March 15 and going to mid-May.

ZD7 - St. Helena - HB9FIY, Christopher, with XYL Agata, has booked a second visit, four weeks at the end of this year. He is looking forward to diving to see whale sharks and doing some big tuna fishing. Their calls there will be ZD7CA and ZD7AA. The precise dates are December 16 to January 13. The station will be an IC-7300, 100 watts, to a vertical dipole, to be on 40, 20, 17, 15 and 10M SSB and digital modes. QSL to EA5GL, or Club Log or LoTW. The Russian DX Team has posted a video of their October 13-November 11 expeditions to Benin, TY0RU and Togo, 5V7RU:
<https://www.youtube.com/watch?v=HX0YjkuxWmM>

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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
Feb. 14	PODXS 070 Club Valentine Sprint	http://bit.ly/2Rp8LTk
Feb. 15	AGCW Semi-Automatic Key Evening	www.agcw.de/contest/sta
Feb. 15	RSGB 80m Club Championship, DATA	http://bit.ly/3TxCrxl
Feb. 15	VHF-UHF FT8 Activity	www.ft8activity.eu/index.php/en
Feb. 18-19	ARRL CW DX Contest	www.arrl.org/arrl-dx
Feb. 19	FISTS Winter Sunday Sprint	www.fistsna.org/operating.html
Feb. 22	UKEICC 80m Contests CW	https://ukeicc.com/80m-rules.php
Feb. 23	RSGB 80m Club Championship, CW	http://bit.ly/3TxCrxl
Feb. 24-26	CQWW 160M SSB Contest	www.cq160.com/rules.htm
Feb. 25-26	Hiroshima Worked All Squares	www.hs-contest.org
Feb. 25-26	REF SSB Contest	https://tinyurl.com/p4bbva92
Feb. 25-26	South Carolina QSO Party	http://scqso.com
Feb. 25-26	UBA CW DX Contest	http://bit.ly/W0gZiE
Feb. 25-26	North American RTTY QSO Party	http://ncjweb.com/naqp
Feb. 26	High Speed Club CW Contest	www.highspeedclub.org
Feb. 26-27	North Carolina QSO Party	http://ncqsoparty.org/rules
Feb. 27	RSGB FT4 Contest Series	http://bit.ly/3TxCrxl

ARLD006 DX news

This week's bulletin was made possible with information provided by F8DVD, The Daily DX, 425 DX News, DXNL, Contest Corral from QST and the ARRL Contest Calendar and WA7BNM web sites. Thanks to all.

BOUVET, 3Y. A large group of operators are QRV as 3Y0J. Activity is on 30 to 10 meters using CW, SSB, and FT8 in F/H mode. QSL via M0OXO.

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

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

THE GAMBIA, C5. Gerard, F5NVF and Luc, F5RAV will be QRV as C5C from February 14 to March 14. Activity will be on 80 to 6 meters using CW, SSB, and FT8. QSL via LoTW.

FRANCE, F. Francois, F8DVD is QRV as TM20AAW from Macon until February 24 in celebration of the 20th Antarctic Week. Activity is on 40 to 10 meters. QSL to home call.

SOLOMON ISLANDS, H4. Bernhard, DL2GAC will be QRV as H44MS from Honiara, IOTA OC-047, from February 10 to May 8. Activity will be on 80 to 6 meters using SSB and some FT8. QSL to home call.

HONDURAS, HR. Alex, K6VHF is QRV as K6VHF/HR9 from Roatan Island, IOTA NA-057, until February 15. Activity is on 80 to 10 meters using CW, SSB, RTTY, and FT8. This includes being an entry in the CQ World Wide WPX RTTY contest. QSL to home call.

ST. VINCENT, J8. Gert, PA2LO will be QRV as J8/AJ4YX from February 11 to 21. Activity will be in his spare time on 80 to 10 meters using CW, SSB, and FT8. This includes an entry in the upcoming Dutch PACC contest. QSL direct to home call.

DENMARK, OZ. Special event station OZ625E will be QRV from February 14 to 28 to commemorate the opening of the new Enigma Museum of Communications in Copenhagen. Look for other OZ625E/xx stations to be active as well. QSL via operators' instructions.

BONAIRE, PJ4. Scott, NE9U will be QRV as PJ4/NE9U from February 11 to 26. QSL via LoTW.

ANTIGUA AND BARBUDA, V2. Greg, N9GB is QRV as V26DX from Antigua, IOTA NA-100, until February 16. Activity is holiday style on 40 to 6 meters using CW, SSB, and possibly FT8. QSL via EB7DX.

TURKS AND CAICOS ISLANDS, VP5. Bill, AC0W and Pat, K0PC will be QRV as VP5/AC0W and VP5/K0PC, respectively, from February 14 to 20. Activity will be on the HF bands. They will be QRV as VP5K in the upcoming ARRL International DX CW contest. QSL via home calls, and VP5K via K0PC.

NEW HEBRIDES, YJ. Bob, W7YAQ and Al, K7AR are QRV as YJ0A from Efate Island, IOTA OC-035, until February 23. This includes an entry in the CQ World Wide WPX RTTY and the upcoming ARRL International DX CW contests. QSL via K7AR.

ST. HELENA, ZD7. Andy, DK7MG will be QRV as ZD7MG from February 11 to 25. Activity will be holiday style on 17 and 15 meters using CW. This includes activating SOTA references Diana's Peak, SOTA ZD/SH-001, White Point, SOTA ZD/SH-002, Flagstaff Hill, SOTA ZD/SH-003, and The Haystack, SOTA ZD/SH-004. He may be accompanied by Derek, ZD7CTO. QSL to home call.

The 4 States QRP Group Second Sunday Sprint, ICWC Medium Speed Test, OK1WC CW Memorial, PODXS 070 Club Valentine Sprint, Worldwide Sideband Activity Contest, QRP 40 Meter CW Fox Hunt, Phone Weekly Test, A1Club AWT, CWops Test, VHF-UHF FT8 Activity Contest, Mini-Test 40, Mini-Test 80, AGCW Semi-Automatic Key 80-Meter Evening and the RSGB 80 Meter Club Data Championship are on tap for February 13 to 15.

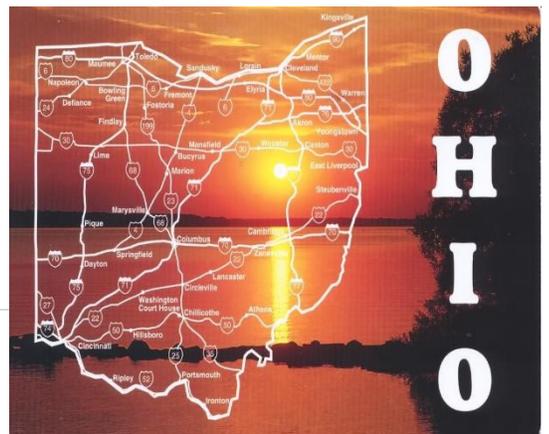
The ARRL School Club Roundup runs from February 13 to 17.

****KD8NOM will be active on Monday February 13 and also Friday February 17 from 3:30 PM to 7:30 PM on HF (40 meters and up) as well as 146.55 MHz simplex. We are the Dresden Elementary Amateur Radio Station club in Dresden , Ohio. ****

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

Upcoming Hamfests

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



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

<p>05/18/2023 - 05/21/2023 <u>QRP ARCI - FDIM</u></p> <p>Four Days in May! Location: Dayton Ohio – Holiday Inn Fairborn Sponsor: QRP Amateur Radio Club Intl.</p>	<p>05/19/2023 - 05/21/2023 <u>Dayton Hamvention</u> <u>Great Lakes Div. Convention</u></p> <p>Location: Xenia, OH Sponsor: Dayton Amateur Radio Association Website: <u>http://Hamvention.org</u> <u>Learn More</u></p>
<p>05/27/2023 - <u>Scioto Valley Amateur Radio Club Hamfest</u></p> <p>Location: Piketon, OH Sponsor: Scioto Valley Amateur Radio Club <u>Learn More</u></p>	<p>07/08/2023 - <u>Mansfield Trunkfest 2023</u></p> <p>Location: Mansfield, OH Sponsor: Intercity Amateur Radio Club Website: <u>http://iarc.club</u> <u>Learn More</u></p>
<p>07/16/2023 - <u>Van Wert Hamfest</u></p> <p>Location: Van Wert, OH Sponsor: Van Wert Amateur Radio Club Website: <u>http://w8fy.org</u> <u>Learn More</u></p>	<p>08/12/2023 - <u>Cincinnati Hamfest</u></p> <p>Location: Owensville , OH Sponsor: Milford ARC Website: <u>https://CincinnatiHamfest.org</u> <u>Learn More</u></p>
<p>08/20/2023 - <u>WARA Tailgate Swap Meet</u></p> <p>Location: Cortland, OH Sponsor: Warren Amateur Radio Association Website: <u>http://w8vtd.org</u> <u>Learn More</u></p>	<p>09/24/2023 - <u>Cleveland Hamfest</u></p> <p>Location: Berea, OH Sponsor: Hamfest Association of Cleveland Website: <u>http://www.hac.org</u> <u>Learn More</u></p>

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

Saturday April 22, 2023

Tuscarawas County Fairgrounds

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

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

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

Includes RT Systems ADMS-891-USB Programming Kit



Admission: \$5.00 Donation at the door

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

Tables: \$10.00 Plus Admission

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

FREE close parking available



DEALERS WELCOME!

Door Prizes

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

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

Check out our web page! www.w8zx.net

Find our group on Facebook!

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

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

Or Email: w8zx@n8bag.net

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

OHIO'S



Hams in the Washington CH/Fayette County area are urged to attend the upcoming **Fayette ARA** breakfast/coffee gathering. According to Jeff Dreher, KE8DVH, the next will be Saturday morning, February 18 at the Tim Horton's in Washington CH. It starts at 10 AM and will last for an hour or so. I attended the January one and it was very enjoyable. It would be a nice outing for some of the members of other area clubs to make and give support to a club trying to get back to its former self.

Speaking of coffee gatherings, it seems more South 40 region clubs either already have or are planning to hold these types of activities. What might be the granddaddy of them is the **OHKYIN ARC** who observed the 12th monthly gatherings this past Saturday at a coffee spot. On the same morning the gathered at a Hillsboro restaurant and variety of topics-mostly non radio related. **County ARA, Lancaster Fairfield County Bainbridge area hams** are other groups. The Lancaster group is to gather on February 18 at the Lancaster Mall Frisch's location at 9 AM. Should you belong to a club that currently does not have such a gathering, you might explore having this "low hanging fruit" type activity.



Anniversary of their well known Cincinnati **Highland ARA** discussed a wide It's known the **Clinton ARA** and the with such gatherings.

After taking that special person out for a Valentine's Day meal members of the **DeForest ARA**, the **Greater Mason County ARA** and the **Highland ARA** members can take their "sweeties" to their respective club's business meeting. For HARA's meeting, it starts at 7 pm at the Highland County EMA Office in Hillsboro.

Word out of Ross County is the **Scioto Valley ARA** will meet on Thursday, February 16. The meeting is scheduled to take place at the Club's clubhouse at the edge of the Scioto Trails State Park south of Chillicothe. However if the weather makes the parking lot iffy the meeting might be moved to the Pike County EMA Office at the Pike County Airport. It would be best to check with club officers first.

Michael Love reminds amateurs in the Ironton/Lawrence County area of the monthly meetings and test sessions of the **Southern Ohio ARA**. They occur on the third Monday of each month at the Lawrence County Joint Response Center. Testing begins at 6 PM with the business meeting to start around 7. This month the meeting and test is on February 20.

The **Tri-State ARA** will meet at the Radio Museum in Huntington on Tuesday, February 21 at 7 PM and the **Cambridge ARA** will meet on February 25 at the Guernsey County Administration Building at 10 AM.

According to **Scioto Valley ARA** John Harmus II, WB8GRX, the Club's VE team will conduct a test session on Saturday, February 18. Pre-registration at <https://hamstudy.org/sessions/6390a5e9060c5e56247ee23a/1> is requested. The test will be held at the Ross County Service Center in Chillicothe at 9 AM.

Further down US 50 Tom Mongold, Jr., KD8LDS, says the **Highland ARA** will conduct a Laurel session at the Highland County EMA Office in Hillsboro on March 18. Pre-registration is requested at <https://www.10C0D48ADAC23A7FEC16-hara9>, but walk-ins will be accepted if space is available.

Classes presently underway in Athens will conclude with a ARRL VE test session on March 20 at the Red Cross Building according to **Athens County ARA** VE Jeff Slattery, N8SUZ.

Amateur radio classes, being jointly conducted by the **Queen City Emergency Net** and the **OHKYIN**, began this past Monday evening at Greater Cincinnati Red Cross Building on Dana Avenue in Cincinnati. According to club officials there are six people attempting to earn their first license and another six working for an upgrade to General. The weekly classes run through March 13 and will consist of three in-person and three on-line sessions. Instruction covers entry level licenses as well as upgrades to General. For more information or to see if it's too late to sign up check out www.hamtutor@ohkyin.org.

The **Milford ARC** and the **Portsmouth RC** hold test sessions prior to their monthly business meetings. For the MARC that is on the third Thursday of the month at the Miami Township Civic Center at 6 PM and for the PRC it is the first Monday of each month at the Portsmouth American Legion Post. We can't overlook the **Lancaster Fairfield County ARC** who is another club offering a monthly test session. Those tests are on the first Saturday of each month at the Fairfield County EOC in Lancaster and start at 10 AM.

Another event happening on the 18th is the **Athens County ARA**'s Family Potluck Carry-in Dinner. It gets underway at 5 PM at the Red Cross Building, 100 May Avenue in Athens.



Highland County's EMA Director Dave Bushelman informs us the Wilmington National Weather Service Office is conducting a mixture of virtual and in-person weather spotting classes this Spring. Virtual instruction will be February 22, March 7 and May 2. Bushelman also states a joint Fayette-Highland County training class will be Thursday evening, March 16 in Washington CH. Wilmington NWS Storm Warning Meteorologist Brandon Peloquin states more information and registration for the virtual sessions is currently available on the Wilmington NWS website at <https://www.weather.gov/iln/spottertrainingschedule>.

Although it might not be in the Ohio ARRL Section, it is in our ARRL Great Lakes Division and I'm speaking of the **Mammoth Cave ARC** Hamfest in Cave City, KY on March 4. It's a great little show where more and more Southern Ohio hams are seen. The doors open to the Cave City Convention Center at 7:30. Normally all of the inside tables are filled and regardless of the weather there usually is a good number of outside set ups. Plus, it is an extremely easy hamfest to get to.

Back in our coverage area, the **Mid Ohio Valley ARC** hamfest is to be held at the Fellowship of Faith Church at Bidwell on March 11.

The **Athens County ARA** members are busy making plans for the April 30 hamfest in Athens. It will be held at the usual city recreation center off East State Street. This hamfest has been around for years and always draw hams from not only Southern Ohio but West Virginia and Kentucky. I've even seen some Indiana and Pennsylvania cars in the parking lot as well as once seeing one from Virginia. It might be wise to go ahead and mark your calendar because it is always a good one.

The **Southwest Ohio DX Association** has a couple things currently going on. Association President Bill Salyers, AJ8B says tickets for the 38th annual DX dinner are now on sale as well as raffle tickets for a chance to win a stay to operate a fully equipped station at the Harbour Rock Villa in the Turks and Caicos Islands.



The raffle awarding the trip will take place during the Friday, May 19 DX dinner at the Dayton Marriott. A cash bar starts the evening's activities at 5:30 PM with dinner served at 7. This year's keynote speaker will be Adrian Ciuperca, KO8SCA. Adrian is a well-known DXer and a part of the international team presently on the South Atlantic island of Bouvet. This 3Y0J DXpedition to the world's most remote island is anticipated to put the second most needed DX country on the air. Check out the www.swodxaevents.org website for more information and how to order your tickets for either or both events.

JUST IN. I was within minutes of hitting the computer key to transmit the column to our Editor Tom when I was alerted "You Have Mail". Our good friend Ted Jacobson, W8KVK, (who keeps tracks of the ham license processing at the FCC) let me know that the Washington County/Marietta area has a new licensee as of Friday morning. The Commission has issued a Technician license to Phillip O'Brien of Marietta. Great Going Phillip and welcome to the world of ham radio.

NOTICE NOTICE NOTICE

A note from the Lancaster-Fairfield ARC:

Tim Lentz our Volunteer Examiner Coordinator is holding classes for preparation for your general license on:

Dates: Feb. 14 & 16 6 to 9 p.m.
and
Feb. 21 & 23 6 to 9 p.m.

Place: EMA Building, 240 Baldwin Drive, Lancaster OH. 43130

Tim has the General study guides which will cost you \$25. There is no fee for the class. If you are interested in taking this class, please contact Tim by phone or email with your name, address, call sign and phone number : donho5284@hotmail.com or phone 740 684-2787

Unless you want to spend time sharing the doghouse with K9DOG don't forget that (or those) special someone(s) on the 14th. In the meantime be safe, healthy and remain radio active. And don't forget to "Support your local radio club".

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

Ⓢ Tuning the TV channels the other night when I was bored, I ran across Chevy Chase in "National Lampoon's Vacation". At about 2:15 in this clip note the house next door to the Griswold's. I have watched this movie several times over the years, but never noticed the skyhook before.

<https://youtu.be/qi9SA4fgAB0>

The Ohio Single Side Band Net Winter meeting was held at Wesley Woods retirement community in New Albany, Ohio on 4 February. Wesley Woods is the home of Stan Sutton KE4RS and is a very ham friendly community. Stan approached management about the possibility of installing a station and antennas on the property. After discussions about the value of amateur radio Stan was given space in the woodshop for his equipment and space in the wetlands behind the shop for antennas. With one provision, the staff would erect the antennas and do the maintenance on them under Stan's direction.

Stan operates his station remotely from his second floor apartment. In the summer he and his wife, Jeri, summer in Michigan and he operates from there. Stan is using Flex equipment to good effect.

Megan Trimble, Paige Trotta and the staff made sure we were comfortable and had everything we needed for our meeting. Keith Armstrong and the kitchen staff had coffee and pastries

available before and during the meeting and fed us a wonderful lunch after we had concluded our tours of the facilities. I felt like I was back in the hospitality suites during the broadcaster's conventions in Las Vegas.

We had interest from several of the staff and residents in amateur radio. They have been sent informational materials. We will see what develops.

The members of the OSSBN have sent thank you radiograms to members of the staff, further increasing interest from the staff and residents. Replies are coming back to OSSBN members from staff members.

During the meeting an OSSBN Certificate of Appreciation was awarded to Joyce Judy KD8HB for her years of service to the NTS and the Ohio Single SideBand Net. Joyce has been a key member of the net for decades holding many functions, including Net Control Station, phone liaison to Eighth region cycle two and CW liaison to Eighth Region cycle four. Joyce is also a two time winner of the K8BYR Memorial Merit Award, the GARLOCK, having won it in 1989 and again in 1997.

We may return to the woods for next winter's meeting.

Mike Hayward KC8WH
Ohio Single Side Band Net, Net Manager



OHIO SECTION TRAFFIC REPORT – JANUARY 2023

OHIO SECTION NETS – JANUARY 2023

NET	QNI	QTC	QTR	SESSIONS	N/M
BNE	138	36	334	31	N2LC
BNL	42	36	209	31	WB9LBI
OSN	85	20	551	22	N2LC
OSSBN	1821	357	2153	93	KC8WH

OHIO SECTION PSHR REPORTS – JANUARY 2023

WA3EZN	40	40	30	385	0	20	TOTAL	495
AD8CM	39	23	10	280	0	10	TOTAL	363
AC8NP	39	32	10	75	10	20	TOTAL	186
N2LC	40	40	30	20	0	30	TOTAL	168
KV8Z	40	33	10	75	0	10	TOTAL	168
N8SY	40	5	30	20	0	60	TOTAL	155
WB8YYS	40	29	20	40	5	10	TOTAL	144
KE4RS	40	40	10	40	0	0	TOTAL	130
K8MDA	40	40	30	0	0	20	TOTAL	130
KD8UUB	40	23	10	45	0	0	TOTAL	118
KC8PBU	40	40	20	10	0	0	TOTAL	110
KC8WH	40	40	30	0	0	0	TOTAL	110
WB8SIQ	40	40	10	10	0	0	TOTAL	100
AC8RV	40	40	10	10	0	0	TOTAL	100
KB8GUN	40	40	10	0	0	10	TOTAL	100
W8MAL	40	40	10	0	0	10	TOTAL	100
W8DJG	21	16	20	15	5	20	TOTAL	97
KL7RF	40	40	10	0	0	0	TOTAL	90
K8KRA	40	40	10	0	0	0	TOTAL	90
N8MRS	40	40	10	0	0	0	TOTAL	90
KB8HJJ	40	40	10	0	0	0	TOTAL	90
W8GSR	40	40	10	0	0	0	TOTAL	90
KA1G	40	40	10	0	0	0	TOTAL	90
KE4ANW	40	5	0	30	0	0	TOTAL	75
KD8MSZ	35	16	0	0	0	0	TOTAL	51
NC8V	14	11	0	0	0	0	TOTAL	25

OHIO SECTION TRAFFIC REPORTS – JANUARY 2023

AC8NP-32	KB8GUN-53	KE4RS-57	NC8V-11
AC8RV-100	KB8HJJ- 56	KL7RF-42	W8DJG-16
AC8SB-6	KC8IDM-22	KV8Z-33	W8GSR-61
AD8CM-24	KC8PBU-76	N2LC-119	W8MAL-262
KA1G-40	KC8WH-72	N8BV- 44	WA3EZN-145
K3RC-44	KD8GXL-41	N8GBU-27	WB8PMG-15
K8KRA-55	KD8GYI-12	N8MRS-88	WB8SIQ-58
K8MDA-46	KD8HB-40	N8OD-28	WB8YYS-29
K8MWF-8	KD8MSZ-16	N8SY-5	WD8SDH-24
	KD8UUB-23	N8TNV-97	WB9LBI-84
	TOTALS	39/2011	

OHIO SECTION LOCAL NETS – JANUARY 2023

NET	QNI	QTC	QTR	SESSIONS	N/M
BRTN	171	44	292	19	KD8GXL
COTN	272	69	480	31	KV8Z
NWOH ARES	267	116	481	31	N8TNV
TATN	348	68	345	31	WG8Z
TCTTN	123	24	351	13	WB8YYS

OHIO SECTION TRAFFIC REPORT – JANUARY 2023

OHIO SECTION NETS – JANUARY 2023

NET	QNI	QTC	QTR	SESSIONS	N/M
BNE	138	36	334	31	N2LC
BNL	42	36	208	31	WB9LBI
OSN	85	20	551	22	N2LC
OSSBN	1821	357	2153	93	KC8WH

OHIO SECTION PSHR REPORTS – JANUARY 2023

WA3EZN	40	40	30	385	0	20	TOTAL	515
AD8CM	39	23	10	280	0	10	TOTAL	363
AC8NP	39	32	10	75	10	20	TOTAL	186
N2LC	40	40	30	20	0	30	TOTAL	168
KV8Z	40	33	10	75	0	10	TOTAL	168
N8SY	40	5	30	20	0	60	TOTAL	155
WB8YYS	40	29	20	40	5	10	TOTAL	144
KE4RS	40	40	10	40	0	0	TOTAL	130
K8MDA	40	40	30	0	0	20	TOTAL	130
KD8UUB	40	23	10	45	0	0	TOTAL	118
KC8PBU	40	40	20	10	0	0	TOTAL	110
KC8WH	40	40	30	0	0	0	TOTAL	110
WB8SIQ	40	40	10	10	0	0	TOTAL	100
AC8RV	40	40	10	10	0	0	TOTAL	100
KB8GUN	40	40	10	0	0	10	TOTAL	100
W8MAL	40	40	10	0	0	10	TOTAL	100
W8DJG	21	16	20	15	5	20	TOTAL	97
KL7RF	40	40	10	0	0	0	TOTAL	90
K8KRA	40	40	10	0	0	0	TOTAL	90
N8MRS	40	40	10	0	0	0	TOTAL	90
KB8HJJ	40	40	10	0	0	0	TOTAL	90
W8GSR	40	40	10	0	0	0	TOTAL	90
KA1G	40	40	10	0	0	0	TOTAL	90
KE8ANW	40	5	0	30	0	0	TOTAL	75
KD8MSZ	35	16	0	0	0	0	TOTAL	51
NC8V	14	11	0	0	0	0	TOTAL	25

OHIO SECTION LOCAL NETS – JANUARY 2023

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KA1G-40	KC8WH-72	N8BV-44	WA3EZN-145
K3RC-44	KD8GXL-41	N8GBU-27	WB8PMG-15
K8KRA-55	KD8GYI-12	N8MRS-88	WB8SIQ-58
K8MDA-46	KD8HB-40	N8OD-28	WB8YYS-17
K8MWF-8	KD8MSZ-16	N8SY-5	WD8SDH-24
	KD8UUB-23	N8TNV-97	WB9LBI-84

TOTALS 39/2011

OHIO HF TRAFFIC NETS

BN(E)	Buckeye Net Early - CW
BN(L)	Buckeye Net Late – CW
OSN	Ohio Slow Net - CW
OSSBN	Ohio Single Sideband Net – Phone

OHIO VHF TRAFFIC NETS

BRTN	Burning River Traffic Net serving Cleveland and North Central Ohio
COTN	Central Ohio Traffic Net serving Columbus and Central Ohio
MVTN	Miami Valley Traffic Net serving the Dayton area
NWOH ARES	Northwest Ohio ARES Net serving Toledo and surrounding counties
TATN	Tri-State Amateur Traffic Net
TCTTN	Tri-County Traffic and Training Net serving North East Ohio

Print an Official or Unofficial Copy of Your Amateur Radio License

(By Anthony Luscre, K8ZT)

As of February 17, 2015, the FCC no longer routinely issues paper license documents to Amateur Radio applicants and licensees. The Commission has maintained for some time now that the official Amateur Radio license authorization is the electronic record that exists in its Universal Licensing System (ULS). The FCC will continue to



provide paper license documents to all licensees who notify the Commission that they prefer to receive one.

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

[Click here to download the instructions](#)

One Question Questionnaire

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



This weeks Question:

Have you worked 3Y0J yet?

A) YES

B) NO

C) Haven’t Tried

From last weeks question:

OUTSIDE OF ARRL AND CLUB DUES, HOW MUCH DO YOU ESTIMATE THAT YOU DONATE TO HAM RADIO ACTIVITIES AND ORGANIZATIONS ON AN ANNUAL BASIS?? OUT OF A TOTAL OF ONLY 69 VOTES – 55% less than \$100 (38) AND 33% \$101-500 (23) AND 12% more than \$501 (8) Thank you to EVERYONE who supports our Hobby!

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

Ohio Section Cabinet

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



Hey Gang,

Have you taken a look at the **Swap & Shop** page on the Ohio Section webpage yet?? Here's a link that will take you there... <http://arrl-ohio.org/sm/s-s.html>

Do you have equipment that you just don't need or want anymore? Here's a great venue to advertise it, and it's FREE!! Is your club doing a fund raiser to help raise money? After a lot of thought, it was decided that the Swap & Shop webpage could also contain these types of items as well. The same rules will apply as do for the For Sales and Give-A-Ways and will only be posted for a month at a time. Please see the Terms & Conditions on the webpage.

If your club is doing a fund raiser and wants more exposure, please forward the information to me and I'll advertise it on the Swap & Shop webpage for you.

Now, I still want to remind you that it won't be listed in this newsletter because it would take up way too much space, so your ad will only appear on the website. It is there for any individual to post equipment Wanted / For Sale or Give-Away as well as for Club Fund Raisers. No licensed vehicles/trailers or business advertising will be posted. Postings are text only (no pictures or graphics) will be posted for a maximum of 1 month from date posting and require a contact phone number or email within the posting. Send your Wanted / For Sale or Give-Away post to: swap@arrloho.org

Back Issues of the PostScript and Ohio Section Journal

Hey, did you know that PostScript and Ohio Section Journal (OSJ) are archived on the website? You can go back and look at any edition simply by clicking:

<http://arrl-ohio.org/news/index.html>



Want to Share your Club Newsletter With Others?

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

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

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

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



Chit – Chat, and All That!

Do you know someone that's not getting these Newsletters? Please, forward a copy of this Newsletter over to them and have them "[Opt-In](#)" to start receiving them. Heck, just have them send an email to: webmaster@arrl-ohio.org and we'll get them added to the Ohio Section Emailing list.



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



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

Just go to: <http://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!