



“January 31st 2022 Edition”

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From the January 2022 “CQ Chatter” – Wood County Amateur Radio Club:

How Amateur Radio Fanatics Launched the World’s First Private Communications Satellite

By John Kelvey, Inverse



There are more than 1,600 CubeSats in orbit around the Earth, with more than 1,000 of those launching in 2020 alone. But while these inexpensive small satellites have made space more accessible to university classes, small companies, and more, their forerunners stretch back to the beginning of the Space Age. Groups like the Radio Amateur Satellite Corporation (AMSAT), an international confederation of ham radio operators, have been flying small private satellites for years, well before the first CubeSats flew in 2003. “CubeSats actually started with AMSAT, but they didn’t get a lot of credit for it, unfortunately,” former Lockheed satellite technician and ham radio enthusiast Lance Ginner tells Inverse. Ginner would know. He was there at the very beginning, 60 years ago, for the design and launch of OSCAR 1, which was history making in a few ways. It was:

- The first smallsat
- The first private spacecraft
- The first spacecraft to hitch a ride on another spacecraft.

It took a while, entire professional lifetimes, but virtually everything that enabled the commercial small satellite industry of the 2020s was there in an embryonic form on a Vandenberg Air Force Base launch pad on December 12, 1961. An active ham radio operator in his teens, Ginner was 21 when he took a job as a technician at Lockheed Missiles and Space Company in Sunnyvale, California, in 1960. “I didn’t know at the time, but I was extremely fortunate,” Ginner says, “because the space industry was just getting started.” The Soviet Union had launched the first artificial satellite and spacecraft, Sputnik 1, just three years earlier, and the US had followed suit with Explorer 1 in 1958. The first crewed space flights would come in 1961. Among many ham enthusiasts working in the space and electronics industry in what we now call Silicon Valley, the idea of getting in on the action was born. Hams at Lockheed introduced Ginner to the concept of attaching a small satellite to the Agena-A spacecraft Lockheed was building for the Air Force. “That really intrigued me, and I was right in the test area where we tested the Agena,” he says. “That’s when I got involved.” That involvement included more than helping design and built what would become OSCAR 1. It was a plunge into the deep end of national security politics. “Just getting a ride was all political,” Ginner says. “Just huge conversations that were beyond me at the time when I was 21-years-old.” The Hams wanted to attach a civilian-made spacecraft to a United States Air Force spacecraft flying a classified reconnaissance mission. It took some heavyweight people to make that happen, like Republican Senator Barry Goldwater and General Curtis LeMay, Chief of Staff of the Air Force. “It was a big leap for the Air Force to let us hop onto their mission,” Ginner says, though he was hardly waiting around. “We started building the satellite before we really had permission.”

Ginner and his fellow ham enthusiasts dubbed their satellite the Orbiting Satellite Carrying Amateur Radio, or OSCAR. The group of hams building it in their garages and spare time called themselves Project OSCAR. When it came time to launch OSCAR 1, the Project OSCAR hams put together the 1961 equivalent of a live streaming event. “How do you get the word out around the world?” Ginner says, “We had a huge set up at Foothill College with high-frequency radio communications and networks. This is all before the internet, of course.” It worked. OSCAR 1 successfully rode a Thor-DM21 Agena B to space on December 12, 1961, separated, and began transmitting to the delight of hams around the world. In the process, it beat Telstar 1, the first commercial spacecraft, to space by seven months. “It was easy to receive. You could pick it up fairly easily,” Ginner says. “In those days, you wanted to catch every pass. So every hour and a half or so, you’re out in the ham shack, tracking this thing and counting the rate of the beeps.” They learned a lot from those beeps, Ginner says, in part because their rate was synced to a temperature sensor. “Thermal control of satellites was very, very new,” he says, and they took their best shot, painting OSCAR 1 with metallic stripes, but not quite nailing it. “The temperatures on OSCAR 1 were quite high, and we changed that design for OSCAR 2. OSCAR 2 lasted longer, and the temperatures were, you know, much more benign.”

CQ CQ CQ de WB8LCD

Amateur Radio Clubs and Newsletters

Yup! We got em.

If you’re reading this and you’re either not yet a ham, a new ham, a ham who has been around for a while, an “old-timer”, a ham who wants to be more involved and engaged in the hobby, or anyone with an interest in

radio communications of any type who just wants to learn more, then your next move needs to be joining an Amateur Radio club. Your local clubs are really the “life blood” of our hobby. Local club VE sessions are where most people go to get their original Ham Radio license, and then hopefully their upgrades to General and Extra class licenses. Local clubs are where most hams create the lifelong friendships and relationships that help them develop their knowledge and skills as a ham. Ham Radio clubs are where most people become hams by learning and practicing the skills and activities of Amateur Radio. If you want to be a successful Ham, you really need to join and participate with your local club. It’s the springboard to just about everything else you’ll want to know or do with the hobby.

After you get settled in with your local club, I would certainly encourage you to join the national organization – the American Radio Relay League (ARRL). Finally, search out and join some of the “Special Interest” clubs that are out there – both locally and nationally (even internationally!) I won’t name names here, but examples would be clubs that specialize and encourage Space Communications (read the article prior to this), DX’ing clubs, contesting clubs, QRP clubs, public service clubs, Old Radio clubs, - you name it – it’s out there! Joining and involving yourself with these clubs will almost certainly enhance your Amateur Radio experience and will make you a better ham.

Almost every club out there has their own version of a newsletter or magazine which is sent out to their membership on a regular basis. Make sure you read it. I know that your newsletter editors put a lot of work into putting out their newsletter, and I can also tell you that in the OHIO SECTION there are some really outstanding examples of Amateur Radio Club newsletters. If you go to the OHIO SECTION website [The Ohio Section - Main Page \(arrl-ohio.org\)](http://www.arrl-ohio.org) across the top there are links, one titled “Club Newsletters” where you can see current examples of the newsletters from OHIO SECTION clubs (and more). I encourage you to check them out – lots of really good information and articles. I’ve also got a couple more examples below. If your club newsletter is not there, please Send it to: webmaster@arrlohio.org and we’ll get it posted for you.

The last thing I’ll mention here is “content”. For the most part, a newsletter editor’s job is *not* to write articles for the newsletter, his job is to assemble all of the submissions he gets into a collection of stories and information that will be interesting to his audience. If he has no submissions, he needs to find other content that he can use. It may or may not always be the most interesting content to make a newsletter out of, but you do with what you’ve got! Have you ever said (hopefully just to yourself) I wish our newsletter editor would put out something better, and maybe even earn (notice I said “earn” instead of “win”) a plaque in the OHIO SECTION Newsletter Contest? Well, here’s your opportunity to help him/her to do just that – send them content to use!

Like most clubs, your club probably is involved in lots of activities and events every month. A short recap of those things your club participated in, along with a couple of photos, will go a long way to making your club newsletter interesting, especially to the members of your club! Make sure you point out everyone who was there (name and call-sign) and try to get everyone in a picture. Be sure to include good descriptions of the photo’s and in your article include the Who, What, Where and When of the activity or event.

If you’ve been experimenting with a particular aspect of the hobby (for example: Mag Loop antennas or Satellite communications or Fox Hunting) an article describing what you’ve done and what you’ve learned from it will be of particular interest to your fellow club members. Have you done a radio restoration project? Explaining what and how you did it, along with photos from start to finish make a good story, same with a “home-brew” project. Doesn’t matter if it’s a scratch build or a kit project – your friends will be interested to see what you’ve done.

I'll have more to say about Clubs next week. In the meantime, I too do a club newsletter (weekly). I would also appreciate your submission of articles and stories. I know the OHIO SECTION has some incredible clubs doing some amazing activities and events. This is the place to let everyone else in the section know what you're up to. To those of you who do send me regular contributions (and you know who you are...) I appreciate you very much!

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

From the Feb 2022 "Wave Bender" – Western Reserve ARC

Licensed Ladies Who Don't Operate

Around the house or the watercooler At work I Am known As tAlKAtive. So why, like mANy other licensed femAle hAM operAtors, Am I reluctAnt to get on the Air?



I often tune into the local REPEATers And lAMent the lADy-less AirWAVes to my husband, but I never grab the mic And key up either. When I HEAR A lADy check in on the weekly nets, I get super excited, stArt clapping, And exclaim, "Hey! It's A girl!". It is super rARE HEAR gAls rAg chewing. In the 6 months since I hAVE been licensed, I must confess, I Almost never get on the Air And put A CALL out myself.

Are we just too busy? Is it that we like working the BAnds And contesting but just don't want to rAg chew on the REPEATER? What makes us get on the Air? What would make us talk?

Perhaps it is that birds of A FEATHER REALLY do want to flock together. If we HEAR other lADies, we would be willing to join in. Since we HEAR nothing, we SAY nothing.

I speculate Another CAUSE mAY be rADio related. For my PART, I hAVE not LEARNed or mASTERed even the most basic functions on my HT. I cAN power on And key up And thAt it is About it. So, if I hit A snAg, I must cALL my in-house Elmer, KE8OKO, to help me operAtE the equipment. I suspect I mAY not be the only one in thAt boAt.

I wAS told by other licensed hAMS to just crAM for the test And PAss it; once I wAS licensed, I could LEARN All the techy stuff, so I did just thAt. But without thAt prACTice on the Air, I never get better, And without getting beyond the novice stAGE in my rADio operAtion, I never want to get on the Air. It is A Vicious cycle!

The REAL question is cAN we lADies bREAK free And spend more time on the Air. What will get us outside our comfort zone? I think the Answer is simple. lADies would get on the Air more if we

heard Ladies on the Air more. Then the question becomes who will be first. Perhaps we could coordinate and choose a Ladies' night on the local repeater. At least we would know when to listen and when to gamble on keying up and putting out a call. This is KE8SKL...listening.

Clara Reger is a notable female ham who received her call sign in

1933. Reger had a long career as an operator, and managed disaster communications after WWII. Known for her exceptional Morse Code skills, Reger spent much of her life teaching others how to become operators. She also received the Edison Award for teaching a 14-year-old boy without arms to send Morse Code with his feet.



Reger is also known for her signature salutation, which she created especially for communicating with women, the salutation "33" meant love sealed with friendship. Reger knew that to hear another girl's voice on the other end was rare and special. YL 33 is considered sacred by female hams.

National News

(from ARRL and other sources)

HAMVENTION 2022 NEWS

Hamvention Covid Statement

Hams and vendors hoping to attend Hamvention 2022 are asking questions about plans to deal with COVID. Hamvention management is monitoring the situation closely. General Chairman Rick Allnutt, WS8G, has issued the following statement:

"We strongly anticipate that the Hamvention 2022 is a go. We cannot guarantee what government may decide about unknown changes in the pandemic. It has become obvious that the State of Ohio is very unlikely to call a halt to large gatherings anytime soon. Despite a recent large spike in Omicron COVID cases and hospitalizations, there is no move to restrict large indoor or outdoor events such as sports events."

Allnutt added that he anticipates the official state guidance may be to recommend (but not require) wearing a mask and social distancing. Hamvention will support state guidance. We do not anticipate checking immunization status on site.

Some have asked whether COVID testing will be available at Hamvention. At this time there are no plans to have testing on site. Watch hamvention.org for any updates dealing with the COVID situation.

Hamvention, an official ARRL Sanctioned Event, will be held Friday-Sunday, May 20-22 at the Greene County Fairgrounds and Expo Center. For more information visit www.hamvention.org.

Amateur Radio Digital Communications Grants Continue

Amateur Radio Digital Communications (ARDC) has continued its largesse, funding a variety of projects through individual grants. Among the latest is a nearly \$900,000 award that will permit the Internet Archive to build the Digital Library of Amateur Radio and Communications (DLARC), "an online, open-access resource that preserves the vital resources -- past, present, and future -- that document the history of amateur radio and communications," as the project proposal explained. Internet Archive is a nonprofit library of millions of free

books, movies, pieces of software, pieces of music, websites, and more.



"The DLARC will be both an education program building a unique and unparalleled collection of primary and secondary resources, but also an innovative technical project that will build a digital library that combines both digitized print materials and [original] digital content," Internet Archive said in its proposal.

It will incorporate three distinct areas: a large-scale scanning program to digitize relevant print materials from institutions and individuals; a large-scale digital archiving initiative that seeks to curate, archive, and provide specialized access to such media as digital photos and audio-video presentations, as well as websites and web-published material, and a personal archiving campaign to ensure the preservation and future access of notable individuals and stakeholders involved in the founding and activities of ARDC and the broader community.

The ARDC grant program stems from the proceeds of the July 2019 sale of some 4 million unused consecutive AMPRNet internet addresses. Using those funds, ARDC established a program of grants and scholarships in support of communications and networking research, with a strong emphasis on amateur radio.

Another ARDC grant for nearly \$34,000 will permit the [Fauquier 4-H Ham Radio Club](#) in Virginia to purchase and equip a 4-H Youth Station and Outreach Trailer for the club's youth to use at regular meetings, public demonstrations, and special events.

"A big thanks to Amateur Radio Digital Communications for awarding our new Ham Radio Club a grant to build a ham radio trailer," the club posted on its Facebook page. "Building out the trailer and using the modern amateur radio equipment will be a fun STEAM [science, technology, engineering, arts, and mathematics] project for our club members. Once it is all built out, you can plan to see the trailer out at some local events -- hopefully the Fauquier County Fair and the Manassas HamFest in mid-June."

The Fauquier 4-H Ham Radio Club offers local youth ages 9 to 18 opportunities to explore STEAM through amateur radio communications and electronics projects. "An amateur radio license is not required to join, but the club strives to inspire and help members who are interested in getting their license achieve that goal," the proposal said.



The Fauquier 4-H Ham Radio Club learning beginning circuitry skills by building code practice oscillators. [Dalyah Ronzio, photo]

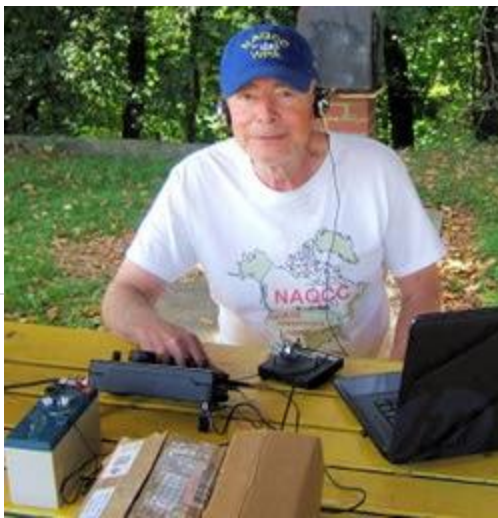


A \$318,000 grant to the Society of Women Engineers ([SWE](#)), will fund 30 SWE global scholarships and "contribute to programs that will help women in engineering excel professionally and showcase their achievements." According to SWE, these programs include the High School Leadership Academy, a virtual, year-round program aimed at building self-confidence and resilience among high school students who are interested in pursuing engineering and technology degrees; the Community College Women of Color Pathways Research, a new year-

long program to encourage undergraduate women studying at Historically Black Colleges and Universities (HBCUs) and Hispanic-Serving Institutions (HSIs) to pursue STEM graduate degrees, and its Collegiate Leadership Institute, a program designed to equip collegiate SWE members with the skills, knowledge, and leadership abilities that will enable them to become leaders in engineering and technology.

QRP Operator Logs One Contact per Day for Nearly 30 Years

From August 5, 1994, through December 20, 2021 -- a span of nearly 10,000 days -- ARRL member John Shannon, K3WWP, of Kittanning, Pennsylvania, made at least one CW contact while running 5 W or less to simple wire antennas. That includes one that's in his attic.



Over the course of said 10,000 days, Shannon made 72,190 contacts with 20,098 unique stations. For at least 2,099 of his contacts, his signal traveled 1,000 or more miles per W, while another 24,098 were DX (non-W/VE) contacts made in 224 DXCC entities. He contacted all 50 states "many times over" -- he made 3,819 contacts with stations in Pennsylvania and 63 contacts with stations in Wyoming.

Shannon reports that the DX country he contacted most often was Germany, with 1,934 contacts. By continent, his contact totals ranged from 52,639 with stations in North America to 325 with stations in Oceania, plus 18 with stations in Antarctica. The number of contacts he made on each band used includes 19,279 on 40 meters; 15,459 on 20 meters; 28 on 60 meters, and 39 on 6 meters.

Within his first UTC hour of operation each day, Shannon logged nearly 73% of his daily contacts.

He also experienced a DX streak from March 1, 2013 through August 1, 2018, which was a total of 1,980 days. During this time, he contacted at least one DX station per day.

Shannon said that the greatest satisfaction he's derived from his operating streak is that other hams express that he inspired their interest in, and enjoyment of, CW and/or QRP operating. Shannon said that his greatest satisfaction derived from his lengthy operating streak was having other hams express that he inspired their interest in operating CW and/or QRP, and that they really enjoyed it.

In the early 2000s, he wrote for the "QRP with John Shannon, K3WWP" column in *The Key Note*, the FISTS CW Club's newsletter. Additionally, his article, "The Streak: 23 Years of Daily Contacts," was published in the August 2017 issue of *QST*.

Shannon said his streak is not over. He intends to continue making daily contacts for 11,000 or 12,000 days. View his website for [more information](#).

ARES Resources

- [Download the ARES Manual \[PDF\]](#)
- [ARES Field Resources Manual \[PDF\]](#)
- [ARES Standardized Training Plan Task Book \[Fillable PDF\]](#)
- [ARES Standardized Training Plan Task Book \[Word\]](#)
- [ARES Plan](#)
- [ARES Group Registration](#)
- [Emergency Communications Training](#)

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

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

A February webinar will discuss amateur radio and AUXCOM support to the US Department of Defense. On Thursday, February 18, at 0100 (the evening of February 17 in North American time zones), the US Army Network Enterprise Technology Command (NETCOM) will host a Zoom call to discuss amateur radio and AUXCOM support to the US Department of Defense. During this presentation, the NETCOM representative will discuss the authorities for these operations; upcoming DOD exercise opportunities for 2022 where outreach to the amateur radio/AUXCOM community will be a primary training objective; use of the five 60-meter channels, and the concept for the types of amateur/AUXCOM outreach. There will be an opportunity for Q&A throughout the presentation. Use [this Zoom link](#) to attend. This is meeting ID 837 8115 4615, and the pass code is 670665. Dial in by location: (346) 248-7799 (Houston); (669) 900-6833 (San Jose); (253) 215-8782 (Tacoma); (929) 205-6099 (New York); (301) 715-8592 (Washington DC), and (312) 626-6799 (Chicago). One tap mobile: +13462487799,,83781154615#,,,,*670665# US (Houston); +16699006833,,83781154615#,,,,*670665# US (San Jose)

After an August storm damaged the satellite antenna that [DP0GVN](#) in Antarctica had been using for [QO-100](#), AMSAT-DL has provided a new one. The new QO-100 SatCom ground station antenna arrived intact in Antarctica at Neumayer Station III in December, ensuring future operations by the 2022/2023 overwintering crew. "AMSAT-DL provided the appropriate radio equipment for DP0GVN at Neumayer Station III, covering all costs for setup and provision of the required radio equipment and antenna," said AMSAT-DL



President Peter Guelzow, DB2OS. "While amateur radio operations mostly take place during free time, contacts with schools have also been arranged on a regular basis. Similar to [ARISS](#) [Amateur Radio on the International Space Station], such contacts in Antarctica are also something very special for the students. This will certainly also arouse interest in scientific or technical professions and, last but not least, in amateur radio." DP0GVN is a permanent ham radio club station, which offers operation for residents as their responsibilities. Much of the activity is on the QO-100 satellite. The primary operator is Felix Riess, DP1POL/DL5XL, who will be in Antarctica until mid-February. His HF activities are largely on 30 or 20-meter CW and sometimes FT8. --
Thanks to AMSAT News Service and to [The Daily DX](#)

February 10, 2022
DoubleTree by Hilton Hotel Orlando at SeaWorld
February 11–13, 2022
Central Florida Fairgrounds and Expo Park



Emergency Communications Academy is Coming to Orlando in February!

A panel of nationally recognized subject matter experts and trainers are conducting an emergency communications workshop in Orlando, Florida, on February 10, as part of the 2022 ARRL National Convention. This all-day Training Track will be held at the DoubleTree by Hilton Orlando at SeaWorld and includes a seat at the ARRL National Convention Luncheon, featuring a keynote by ARRL CEO David Minster, NA2AA.

Presentations will feature current protocols, techniques, and responsibilities for the modern volunteer radio operator serving partner public safety entities. Additional topics covered include the Amateur Radio Emergency Service® (ARES), an overview of Amateur Radio response during disasters, the ARRL Emergency Communicator Position Task Books, emergency power, and so much more.

Join Track Leader Rick Palm, K1CE; Lead Instructor Gordon Gibby, KX4Z, and presenters Mike Walters, W8ZY; C. Matthew Curtain, KD8TTE; Helen Straughn, WC4FSU; Leland Gallup, AA3YB; Arc Thames, W4CPD; Christine Duez, K4KJN; Josh Johnston, KE5MHV; Earl McDow, K4ZSW; Jeff Capehart, W4UFL, and others for this important and

informative day of learning. Hurry, register now at arrl.org/expo.

Register Today!

DX Engineering is the Official Sponsor of the 2022 ARRL National Convention Program.



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.



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.

Go Fully Electronic in 2022!

By Maria Somma, AB1FM, ARRL VEC Manager

Online Examinations and Remote Testing

Your club's VE team can become part of the fun and excitement of remotely administered Online Examinations.



The remote exam sessions are conducted using an online video conferencing platform and a web-based examination system with on-screen tests. ARRL VE teams have had the option to be completely electronic since June 2020 by using online exams. The online exams can also be utilized at in-person sessions automating most of the process, for a fully electronic in-person session experience.

VE teams have been using the [Exam.Tools](#) Online Examination system for remote video and in-person sessions. Over 25,000 applicants have been tested through the Online Examinations system in the past two years. The system works well for online or printed examinations and includes registering and tracking candidates throughout the session, on screen exams and grading, online signing of CSCE and 605 forms by the candidate and examiners, logging and compiling session stats and VE participation list (test report summary), and output files for upload to the coordinating VEC. The program manages and handles almost everything needed to conduct a test session. Time and experience with in-person exam sessions is invaluable when transitioning to remote video-supervised online exam sessions.

Interested ARRL VE teams must contact the [VEC department](#) to receive the online exams instructions and remote video session procedures.

Not a VE? Become one today!

Visit <http://www.arrl.org/become-an-arrl-ve>

Electronically File Exam Session Documents for Quicker Service

After the session has concluded, VE teams can upload in-person documents or remote video session files via ARRL VEC's secure web page (program service option since 2018).

New and upgraded licenses are issued within 1 to 2 business days for weekend sessions and are usually issued on the same day for weekday sessions.

Please contact the [VEC department](#) for the information and instructions on electronically filing exam session documents through our upload page. Authorized VEs will be sent the upload page URL which, is hidden from the public.

Resources for ARRL VEs

The [ARRL VEC VE Resources](#) page offers the information you will need to help conduct exam session business. Our support page offers easy access to session forms and information, online examinations, remote video session instructions, VE Manual supplemental information, FCC rules, basic qualification question procedures, and much more. There is also some helpful information for the community, such as preparation resources for candidates, in-person and remote video exam session search, vanity call sign information, and more.

The ARRL VE Newsletter relays important updates relating to FCC rule or policy changes, exam session document or procedural changes, video sessions, and other topics. VEs can sign up for the newsletter at <https://reflector.arrl.org/mailman/listinfo/ve-list>

VE Sessions

CARS

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

Dayton Amateur Radio Association (DARA)

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

Highland Amateur Radio Association

Next testing session is February 19th. 9:00 am – 12:00 am at the Highland County EMA 1487 N High St. Hillsboro, OH 45133. You can get more information and register for your exam at:

<https://www.signupgenius.com/go/10C0D48ADAC23A7FEC16-hara7>

VE's are also needed for the exam, please contact John Levo: jlevo@cinci.rr.com

The Lancaster and Fairfield County Amateur Radio Club (LFCARC)

hosts exam sessions at the FAIRFIELD County EMA, 240 Baldwin Dr in Lancaster Ohio, 43130, on the first Saturday each month at 10:00 am. Please visit our website at <http://www.k8qik.org> for exam dates on our calendar and navigate to our Learning Center/Taking the Exam link for information and requirements. Our experienced VE team looks forward to serving the Amateur Radio community in Central Ohio. Contact me at ve_testing@k8qik.org to register.

The Milford Amateur Radio Club (MARC) is now doing VE testing on the third Thursday of each month at 6:00 PM. Location; Miami Township Civic Center located at 6101 Meijer Drive, Milford, OH 45150.

Please pre-register at www.milfordhamradio.org

Portage County Amateur Radio Service (PCARS)

The first Saturday of every even numbered month -10 am – at the PCARS club site in Ravenna. Please visit the PCARS web site and check out the information about VE testing in the latest newsletter at www.portcars.org . If you have any questions, don't hesitate to contact me at KB8UUZ@gmail.com

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

NEW NEW. NEW. NEW. NEW

Mahoning and Trumbull Counties
Amateur Radio Two Meter Ladies Net.

First Thursday. 8 pm. 146.910 (-). No PL

Feb 3, March 3, April 7, May 5, June 2, etc.
Net control: KE8SKL Allison

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



SWODXA DXDINNER® ANNOUNCEMENT

The SouthWest Ohio DX Association (SWODXA) is pleased to announce that we will again sponsor the DX Dinner, held in conjunction with the 2022 Dayton Hamvention®. This, our **37th** annual dinner, will be on Friday, May 20th, 2022, at the **Dayton Marriott, 1414 S. Patterson Blvd., Dayton, OH 45409**.

We will have another fantastic array of great prizes at the Dinner and the Forum!

There will be a cash bar starting at 5:30 p.m., with dinner served at 7:00. Following the event, there will be a separate room and cash bar available for more fellowship. This is an excellent opportunity to meet new hams and to renew old acquaintances as well as to learn about past DXpeditions and those in the planning stages.

The Marriott is very accommodating to a group our size. The dining room is on the ground floor so there are no steps, the dining room is very large, and there is ample **free**, on-site parking.

This dinner is always well attended by some of the most avid DXers in the world. Previous dinners had over 400 attendees! As in the past, there will be some major door prizes, and there is always great anticipation as to who will be named the “DXpedition of the Year®” as well as who will be inducted in to the CQ DX Hall of Fame. Additionally, the Island Radio Expedition Foundation (IREF) will present the “IOTA Expeditioner of the Year” award during the dinner.

Tickets can be purchased on the SWODXA Events website at www.swodxaevents.org/purchase-tickets/

Program details and a list of the prizes will be on the website as they become available and updates will be sent out regularly via Twitter. Follow us on Twitter - @SWODXA

ARLD004 DX news

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

CYPRUS, 5B. Philipp, DK6SP is QRV as 5B4AQC until July 27. Activity is in his spare time on the HF bands. QSL to home call.

KUWAIT, 9K. Members of the Kuwait Amateur Radio Society will be QRV as special event station 9K9NLD from February 1 to 28 in celebration of Kuwait National Day. QSL via bureau.

GUADELOUPE, FG. Herve, F5HRY is QRV as FG/F5HRY from Marie Galante Island, IOTA NA-102.

Activity is on 80 to 10 meters using CW and some SSB, with a focus on 30 and 17 meters using CW. QSL to homecall.

WALLIS AND FUTUNA ISLANDS, FW. Jean, F4CIX is QRV as FW1JG from Wallis Island. Activity is mainly on 20, 15, and 10 meters using SSB and various digital modes. His length of stay is unknown. QSL direct to home call.

PANAMA, HP. Members of the Union Panamena de Radio Aficionados will be QRV as H94IE from Isla Escudo de Veraguas, IOTA NA-088, from February 4 to 6. Activity will be on various bands and modes. QSL via operators' instructions.

ITALY, I. Special station II8CAP is QRV from the island of Procida, IOTA EU-031, until June 30, as Procida has been designated the Italian Capital of Culture for 2022. QSL via IC8ATA.

ST. LUCIA, J6. William, K9HZ is QRV as J68HZ until February 8. Activity is on the HF bands. QSL direct to home call.

ANTARCTICA. Station KC4USV is QRV from McMurdo Base and has been active using FT8 on 20 meters around 0600z. QSL via K7MT.

ARUBA, P4. Mathias, DL4MM is QRV as P4/DL4MM until February 2. Activity is on HF bands using CW, SSB, and FT8. This includes being active as P40AA in the CQ World Wide 160 Meter CW contest as a Single Op/Assisted/High Power entry. QSL to home call.

NETHERLANDS, PA. Wino, PA0ABM will be QRV as PA75DXCC from February 3 to August 2 to celebrate the 75th anniversary of the first post World War II list of DXCC members published in the July 1947 issue of QST. QSL via operator's instructions.

FERNANDO DE NORONHA, PY0F. Everton, PU2MEA is QRV as PU2MEA/PY0F until November 26. Activity is on 10 meters using SSB and QRP power in his spare time. QSL via LoTW.

SURINAME, PZ. Axel, DL6KVA will be QRV as PZ5KV from February 1 to 10. Activity will be on the HF bands using only CW. This includes being active in the upcoming FOC Marathon. QSL to home call.

NORFOLK ISLAND, VK9N. Nick, VK9DX has been QRV on 40 meters using CW around 1240z. QSL direct to home call.

CAYMAN ISLANDS, ZF. Stan, K5GO will be QRV as ZF5T in the CQ World Wide 160 Meter CW contest as a Single Op entry. QSL to home call.

Upcoming *Hamfests*

We have hamfests scheduled for 2022!! Yes, take a good look at the list. *****



Ohio Hamfests

2022

03/12/2022 - [MOVARC Hamfest](#)

Location: Bidwell, OH

Sponsor: Mid-Ohio Valley Amateur Radio Club

[Learn More](#)

03/13/2022 - [Winter Hamfest](#)

Type: ARRL Hamfest

Sponsor: Northern Ohio Amateur Radio Society

[Learn More](#)

03/20/2022 - [Toledo Mobile Radio Association Hamfest and Computer Fair](#)

Canceled

04/09/2022 - [Sixty-Sixth Cuyahoga Falls Amateur Radio Club Hamfest](#)

Location: Cuyahoga Falls, OH

Sponsor: Cuyahoga Falls Amateur Radio Club, Inc.

Website: <http://www.cfarc.org/hamfest.php>

[Learn More](#)

04/24/2022 - [Athens Hamfest](#)

Location: Athens, OH

Sponsor: Athens County Amateur Radio Association

Website: <http://www.ac-ara.org/>

[Learn More](#)

05/20-22/2022 - [Dayton Hamvention](#)

Location: Green County Fairgrounds, OH

Sponsor: Dayton Amateur Radio Association

Website: <https://hamvention.org>

[Learn More](#)

<p>06/04/2022 - FCARC Summer Hamfest Location: Wauseon, OH Sponsor: Fulton County Amateur Radio Club Website: https://k8bxq.org/hamfest Learn More</p>	<p>07/09/2022 - Mansfield Mid Summer Trunkfest Location: Mansfield, OH Sponsor: Intercity Amateur Radio Club Website: http://www.w8we.org Learn More</p>
<p>07/17/2022 - Van Wert Hamfest Location: Van Wert, OH Sponsor: Van Wert Amateur Radio Club Website: http://W8FY.ORG Learn More</p>	<p>08/13/2022 - Cincinnati Hamfest Location: Owensville, OH Sponsor: Milford ARC Website: https://CincinnatiHamfest.org Learn More</p>
<p>09/17/2022 - Mound Amateur Radio Assoc. Swap Meet Location: Miamisburg, OH Sponsor: MARA Website: http://W8DYY.ORG Learn More</p>	<p>09/25/2022 - Cleveland Hamfest Location: Berea, OH Sponsor: Hamfest Association of Cleveland Website: http://www.hac.org Learn More</p>

OHIO'S



January 30, 2022

It seems 2022 just started, but its first month is now breathing its last breaths and soon a new, but shorter one, will begin. But already clubs and individual hams are making plans for Spring and Summer activities. Almost daily we're hearing plans for in person meetings resuming, hamfest plans, foxhunts returning and even Field Day discussions being held. One club has even started kicking around locations for this year's Christmas Party! However you know Spring is just around the corner when you start hearing HamVention discussions taking place and the generation of the excitement that only the largest gathering of hams can achieve. And it's just in our back yard! So let's take a look at some of those events and activities that some of our Southern Ohio area peers are looking forward to.

You still have a few days to support the Museum of Radio and Technology's raffle for a completely restored 1953 H500 Zenith Transoceanic Shortwave Receiver. Tickets are \$5 each or six for \$25. Tickets may be obtained from any museum member or you may contact Mark Killen, KD8QIG, at 740-550-3778 for more information or to arrange to purchase your chances. Information can also be found on the Web at www.mrtwv.org. The drawing will be on February 5.

Because COVID concerns made their normal breakfast/coffee meeting location unavailable the **Highland ARA** has been meeting at a Hillsboro City Park shelter house. However the past couple of month's weather has forced over the air gatherings instead of the personal ones to take place. Event coordinator Ken Lightner, KE8JEL, says the over the air ones at least keep the event going, but they do not produce the bonding the face to face ones do. Therefore the February **Highland ARA** Brunch Bunch will occur on Saturday morning, February 12 in the Hillsboro McDonald's dining area. He says the previously used Playland area is no longer available for use. He says he understands the service leaves something to be desired. Therefore you might want to smuggle in your own cup of coffee. It will start at 10 AM.

Starting on February 19 the **West Chester ARC** will operate an event to recognize the 80th Anniversary of the First Voice of America Broadcast. W8O operations will take place between the 19th and 21st from the site of the former Bethany Relay Station near Mason, OH. Other stations participating in the event are W3V from the VOA master control in Washington, DC and W4A from the former transmitter site near Greenville, NC.

Highland ARA VE Team Leader Tom Mongold, Jr., KD8LDS, says the Club will conduct a Laurel VE test session on Saturday morning, February 19 at the Highland County EMA Office in Hillsboro. Although walk-ins will be accommodated if time and space allow, pre-registration is requested. Additional information is available from Mongold at 937-272-4207. David Coffey, N8RKC, tells us the **Scioto Valley ARC** will hold a test session at the Ross County Service Center, 475 Western Avenue in Chillicothe at 9 AM on February 26. Pre-registration is necessary and can be done through the www.HamStudy.org website.

Normally the **Athens County ARA** would be looking to start a license class around this time of the year. However with the rise in COVID cases in the area it has been decided to postpone a class until a later time. However Jeff Slattery, N8SUZ, says the test session planned for March 24 will still happen.

The number of new hams in the South 40 keeps growing. Ted Jacobson, W8KVK, says Lawrence County's ham population just increased when Chad Higgins from South Point achieved earning his Technician license. Chad is now KE8TTE. Brown and Clermont Counties also had increases to their ranks. Donna Ivins from Goshen is now KE8TTP and Georgetown's Dan Pelzel is KE8TTQ. Over in New Richmond Michael Henson became KE8TTV. WELCOME!

The **Grant RC** and the **Cambridge ARA** held their monthly meetings this past week. During each meeting nominations for their 2022 officers were received and full slates received. The actual election of Grant club officers will be at their February 17 meeting and the Cambridge group will be held at the February 26 meeting.

An announcement has been received from Bill Salyers, AJ8B, telling us the **Southwest Ohio DX Association** will sponsor the 37th annual DX Dinner during the Dayton HamVention weekend. It will be on Friday evening, May 22 at the Dayton Marriott. Tickets and additional information are available at the www.swodxaevents.org website. Information is also available via Twitter. Normally upwards of 400 people attend.

This past weekend had the running of Winter Field Day. Even with only a quick tune through the bands one observed a lot of stations participating in the event. Your column editor even had a 75 meter contact with the **Athens County ARA**'s W8UKE on Saturday evening. Like June's ARRL sponsored version, the event is meant to be a training exercise, however for those in the Eastern portions of the United States it actually turned into much more when the areas from the Carolinas to New England were blanketed with some of the worst blizzard in decades. It only goes to prove natural disasters and emergencies when ham radio may be called upon to assist do not just happen when the sun is shining and temperatures are above 60.

Well that's it for another column as we wrap it up with a request to keep safe, be healthy and stay radio-active.

John Levo, W8KIW, jlevo@cinci.rr.com

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.



Licenses 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 on this one. While I know what I think the answer is going to be, the bigger the sample, the more accurate a survey like this is likely to be.



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

Did you participate in Winter Field Day?

From the last Poll: *Do you Think you could enlist at least 1 new ham to our ranks in the next 12 months?*

Yes / No Would you set that as a Personal Goal for 2022? Yes / No

I’m not sure if I’ve got accurate numbers here. But, what I can see is that it’s about 45/55 as a percentage on both questions. I like to consider “What If’s” and that would lead me to believe that if 45% of hams thought they could bring in just 1 new ham in the next year, and apply that to the current number of US ham licenses, 779,297 as of 1/30/2022, that’s 350,683. So now, 45% committed to doing it, that’s 157,807 new hams. Is that possible?

Ohio Section Cabinet

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



Hey Gang,

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

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

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

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

Back Issues of the PostScript and Ohio Section Journal

Hey, did you know that PostScript and Ohio Section Journal (OSJ) are archived on the website? You can go back and look at any edition simply by clicking: <http://arrl-ohio.org/news/index.html>



Want to Share your Club Newsletter With Others?

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

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

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



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

Chit – Chat, and All That!

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



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



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

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

The pictures on the front page and throughout this newsletter are from various newsletters, Facebook posts and/or were sent directly to me in recent weeks. Take a good look at them, you just might be in one of the pictures! “SMILE... you’re in the Ohio Section News!!”



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