



The Listening Post



Dedicated to Community Service and All Central Florida Hams January 2026

President's Message

Greetings everyone and Happy New Year. I hope everyone had an enjoyable holiday season and that Santa brought you everything you wanted for Christmas, perhaps, even a new HF radio!

Looking forward to the new year and see what 2026 brings us, including more opportunities to work with our friends at Sally Ride Elementary.

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OARC MEETING

Wednesday, January 7, 2026, 7:30pm

William Beardall Senior Center

800 South Delaney Avenue, Orlando, Florida 32801

License Exams: 5:30pm

For information & Updates

See www.oarc.org

OARC Board of Directors

President: John Knott, N4JTK

Vice President: Michael Cauley, W4ORL

Treasurer: Ana Groe, KM4JVE

Secretary: Bob Nocero, W4KBW

Directors:

Bob Cumming, W2BZY

James Deuel, N0XIA

Kevin Jackson, AA3XV

Aaron Morrison, AE4KO

Christy Moore, KN4MDM

Ed Thralls, NE4H

The Listening Post is the OARC newsletter for OARC members. The LP will be posted on the OARC.org web page (oarc.org/club-listening-post).

Editor: Ed Thralls NE4H.

Comments, suggestions, and articles are welcome. Send to editors@oarc.org.

Contributing to this edition: John Knott N4JTK, Michael Cauley, W4ORL, Bob Cumming W2BZY, Aaron Morrison, AE4KO, James Deuel, N0XIA, and Rick Peron KM4KQQ

OARC REPEATERS

Call	Freq	Shift	PL
KB4UT	146.760	-600	103.5
K1AA**	147.015	+600	103.5

** Wires-X Gateway

D-Star

K1XC C*	146.820	-600	
K1XC B	443.275	+5MHz	
K1XC A	1275.00	-12 MHz	Voice
K1XC A	1255.00	Simplex	Digital
W4PLB C*	145.160	+600	
W4PLB B	442.300	+5MHz	

* Linked to reflector REF037C

All D-star repeaters are connected

REF037 is sponsored by OARC

ASK AN ELMER: Where you can ask questions and get respectful answers. Send your questions to: info@oarc.org

President's Message *(Continued from Previous Page)*

Last month, a small group of us were able to go to the school and do a Fox Hunt with the 5th graders (last year's 4th graders). The kids had a blast. We hid 3 foxes (transmitters) in the school yard. The kids were given a QRZ1 HT pre-programmed with the transmitters frequencies and set out to find them.



The school yard was large but for hiding transmitters, it was on the small side, but we made it work. The third transmitter was hidden in plain sight. VP Michael Cauley, W4ORL was holding it in his hand and walking around. It took a while for the kids to figure it out, they all thought he was just holding an HT in his hand.

A huge thank you to Christy, Ana, and everyone that helped for the hard work in putting the Christmas party together again. We had a little over 100 in attendance, bringing in many toys for Toys for Tots.



We could have filled three of the Toy for Tots boxes. Thank you to everyone who made desserts and/or brought desserts to the party. So many desserts! Wow!! Congrats to our award winners, door prize winners, and center piece winners. I'm already looking forward to this year's party.



ARRL has launched a yearlong celebration of Affiliated Clubs. Starting January 1, 2026 and through the end of the year, clubs are invited to participate in special programs, operating events, and recognition opportunities. It all starts with a Newsletter contest and a Website contest. Let's participate in this celebration of clubs and make sure that OARC is spotlighted. Let's participate in the operating events, so when details are released and a call for participation goes out, please consider helping out as much as possible. Check out the ARRL website for more details.

A couple of reminders, Michael will likely cover these in his article too, but HamCation needs you! There is plenty of opportunities available to volunteer. The following areas in particular is looking for more assistance:

Security, Talk-in, Onsite Tickets, RV, and Tailgate. For more information, go to www.hamcation.com/hamcation-volunteer. This year is the first time (in recent memory) that HamCation will have a Banquet on Saturday night. For more information, go to: www.hamcation.com/banquet

Also, we will have a test session and meeting each month in 2026, except for our normal non meeting month of December. Plan ahead and be there. This includes February, as the meeting night will be the week before HamCation begins. Ed has done another fantastic job in lining up presentations for each month already. Check out our website for more information. Ed has lined up a great presentation on RT Systems programming software for January. Karin from RT Systems will be joining us via Zoom and talking about their software. This is a great opportunity to learn about the software and to ask questions. We hope to see you at the meeting.

73,

John Knott, N4JTK

HamCation® Chairperson's News

(By Michael Cauley, W4ORL, General Chairman)

Greetings Everyone

I hope everyone had a wonderful Christmas and New Year's. I am optimistic that Santa left you the radio of your dreams under the tree. If not, at least is HamCation is only 39 days away so you can pick it up there.

Wow yes, I said 39 days. We are still in need of a lot of Volunteers for HamCation.



First, let me say THANK YOU to everyone who has already volunteered for HamCation. We are not even close to having enough volunteers to put on the show. Let me remind you that you can earn a free admission ticket to HamCation by volunteering for just 4 hours. You can also earn a meal ticket by volunteering 8 hours in one day.

Remember we start setting up at the Fairgrounds the Monday before HamCation. That means you can volunteer Monday, Tuesday, Wednesday, and/or Thursday before HamCation starts for at least 4 hours and you still get a free admission ticket to the show. But don't forget we also need HUNDREDS of volunteers during the show on Friday, Saturday, and Sunday.

Here are the areas we really need volunteers are **Talk-in**, **Tickets**, and **Security**. **Talk-in** is a fun place to volunteer, you get to do what we love to do: Talk on a Radio. It can be done from our talk-in station at the fairgrounds or at your home QTH. You will be providing HamCation attendees with information about the show and traffic reports, parking info, and any HamCation-related news via amateur radio.

Tickets is a great place to volunteer if you cannot get around easily, You get to sit in an air-conditioned booth while selling tickets. Also, you get to interact with thousands of hams coming to HamCation. You will be providing HamCation attendees a smooth and pleasant experience purchasing tickets or picking up tickets from Will Call.

Security is great for people that like to move around and see every part of the show. From staffing gates and doors or being a rover walking around HamCation. Security is the eyes and ears of HamCation.

Look at www.HamCation.com/hamcation-volunteer. This is where you can sign up to be a volunteer. If you don't know which area you want to volunteer for, look for the Volunteer Position Descriptions just above the form in the blue links.

With all that said about Volunteering, our committees have been very busy.

As a volunteer, you also get to attend the Annual HamCation Volunteer Appreciation Picnic on March 21, 2026, at Bill Fredrick Park at Turkey Lake. More information is posted in this month's Listening Post.

Also have you heard about our 1st ever HamCation Banquet we will be having this year? If not, it is the place you want to be on Saturday evening, February 14, 2026.

What is a better way of thanking your spouse for letting you volunteer or attend HamCation than taking him/her to a 5-Star **Farm to Table Buffet** on Valentines Night.

- When: Saturday February 14, 2026
- Time: 6:30PM
- Location: Rosen Plaza Hotel 9700 International Dr, Orlando FL 32819
- Menu: Farm to Table Buffet!
 - Spinach Salad
 - Stir Fried Green Beans and Tofu Salad
 - Broccolini, Pancetta and Aged White Cheddar Salad
 - Braised Beef Short Rib
 - Oven Baked Florida Grouper
 - Pan Seared Chicken
 - Garlic Mashed Potatoes
 - Chef's Market Herb Roasted Vegetables
 - Warm Artisan Rolls with Sweet Butter
 - ... all this and a decadent selection of chef inspired desserts!
 -

Keynote Speaker: Bob Inderbitzen, NQ1R, "Discovering Radio Communications"

Tickets can be purchased at <https://www.hamcation.com/banquet>

73,

Orlando HamCation Award Winners Announced

(The ARRL Letter for December 4, 2025)

An International slate of hams has been recognized by the [Orlando HamCation](#) Awards Committee with its 2026 awards. **Gordon West Ambassador of the Year** award goes to Tony Milluzzi, KD8RTT, of Lenexa, Kansas. An aviation systems engineer and former YouTube host, Tony was recognized for what the Awards Committee termed "his focused long-term support and promotion of the [Collegiate Amateur Radio Program \(CARP\)](#)," an ARRL-sponsored program established to support and promote amateur radio among students and ham radio clubs at colleges and universities. Tony

is one of two co-advisors to the program, along with his brother, Andy Milluzzi, KK4LWR, who is also ARRL Southeastern Division Vice Director.

The 2026 **Carole Perry Educator of the Year** award goes to Dr. Nathaniel Frissell, W2NAF, of Spring Brook, Pennsylvania. Dr. Frissell, an associate professor of physics and electrical engineering at the University of Scranton, is the founder and lead organizer of [HamSCI, the Ham Radio Science Citizen Investigation project](#). HamSCI brings together professional scientists and radio amateurs to advance scientific research and understanding through amateur radio activities, encourage the development of new technologies to support this research, and provide educational opportunities for the amateur community and the general public.

HamCation's 2026 **Amateur Radio Hero** award goes to Indian amateur Ambarish Nag Biswas, VU2JFA, Custodian of the West Bengal Radio Club. He is being honored for "his outstanding support of local and national emergency operations and law enforcement during life-threatening events where lives were saved by his actions."



Tony Milluzzi, KD8RTT,
Gordon West Ambassador of the Year [Bob Inderbitzen, NQ1R, photo.]



Dr. Nathaniel Frissell, W2NAF,
HamCation's 2026 Carole Perry Educator of the Year award. [Photo courtesy of Orlando HamCation]



Ambarish Nag Biswas, VU2JFA,
HamCation's 2026 Amateur Radio Hero award. [QRZ.com photo]

According to the awards committee, "each of these nominees has demonstrated outstanding dedication to promoting amateur radio by using radio to share knowledge, educate and provide vital communications. The HamCation team congratulates each of them for their award and the contribution they have personally made to amateur radio."

The awards will be presented at the 2026 HamCation Awards Banquet on Saturday, February 14th, whose keynote speaker will be ARRL Senior Director of Marketing and Innovation Bob Inderbitzen, NQ1R. Bob will speak on "Discovering Radio Communications," sharing his vision for a more active and engaged Amateur Radio

Service and how the ham radio community can inspire others to develop a deeper understanding of wireless communications. Purchase banquet tickets at <https://www.hamcation.com/banquet>.

[HamCation 2026](#) will be held February 13 - 15 at the Central Florida Fairgrounds and Expo Park in Orlando. It is sponsored by the [Orlando Amateur Radio Club](#), an ARRL Affiliated Club.



Bob Inderbitzen, NQ1R
[Photo by Pete Harris, KE6ZIW]

Our Club is Growing – New Members and Birthdays

(By Rick Peron, KM4KQQ, Membership Chairman)



No new members during the month of December.

Birthdays this Month



Beraldo Vazquez
AG4RB Robert Brooks
KC2ARX Bill Adams
KD4LLO David Webb
KF4SIR Dale Coleman
KN4RDD Joseph Bivins
KO4IJJ William Gabrenya
KR4HEX Randy Rees
N4ORQ Dick Camnitz

KQ4AFY Jeremy Bouse
KZ4PN Benjamin Gayer
N4RDS Roger Sack
WY1E Michael Kooiman

AE4NJ Timothy Starr
K4RSV George Presley
KC9GNQ Frank Gergits
KE4MVK Robert MacMurray
KJ4LYY Roger Zubarik
KN6LGQ Todd Roy
KR4EII Jay Summet
N3QMH William Sullivan
N4UMB Joe Patti

New ARRL Memberships and ARRL Renewal Memberships

OARC is an ARRL Affiliated Club and can receive a commission for every new ARRL membership and renewal submitted to ARRL Headquarters.



All membership dues are sent to ARRL to be processed, and the club receives a commission payment directly from ARRL. OARC could earn money while promoting the many benefits and programs of ARRL to ensure that amateur radio is protected and continues to be strong.

Pick up an application from Rick Peron, KM4KQQ, at any meeting.

HOW ABOUT YOUR MEMBERSHIP IN OARC?

Thank you for being a part of the Orlando Amateur Radio Club (OARC). Can you believe that it's been such a short time since you first joined or last renewed your club membership? We hope you've been able to enjoy all the benefits of your OARC membership these past months.

RENEW NOW

If you have any questions or suggestions, please don't hesitate to reach out to Rick Peron KM4KQQ at Membership@oarc.org to see how we can meet your needs. We'd love to hear your feedback!

Membership is vital for the survival and continued functioning of the Orlando Amateur Radio Club, a nonprofit organization.

Membership in OARC includes:

- A monthly meeting with educational programs/current information about club activities for the amateur radio hobby,
- Camaraderie with others who enjoy the amateur radio hobby,
- A monthly newsletter with current information on a variety of amateur radio topics,
- Voting rights in annual elections of leadership positions within OARC,
- Connectivity through weekly local radio nets and social media.

By renewing your membership, you will help OARC continue to provide you with local amateur radio support you may need as you grow in the hobby.

Membership renewal is simple. Fill out the membership form found near the end of this newsletter and return to the address listed or bring it with you to the next monthly meeting of OARC and drop it off with the Membership Chairperson.

Expiring 1/30/2026

First Name Last Name/Call

Larry Hackett/
Benjamin Gayer/KZ4PN
Nathaniel Pagel/KR4AJE
Madison Williams/KO4RHX
David Webb/KD4LLO

Expiring 2/28/2026

First Name Last Name/Call

Daniel Irick/KR4BHF
Ryan Vinton/KR4BGB
Roger Tuffin/MOTJK
Timothy Daniel/KN4FDP
Chris Bloxsom/AA4CB
Bonnie-Jo Roux/WA2MMY
Rick Harrelson/WB4ULT
Karl Francetic/kM4NEN
Ted Mach/N4FBY
Angel Hernandez/N2YNV
Sara Adams/KCNXX
Alan Marote/WA1LBG
Madison Williams/KO4RHX
Michael Cardona/KO4VTH
Jerry Jones/K4PPZ
Fernando Caraballo/KO4BBK
Alejandro Malave-Barrozzi/KN4YRX
Robert Bartucco/W1NV
Diana Coffman/KO4VEJ
Patrick Huff/KQ4GEE
Edward Caraballo/KD9UKC
Thomas Gandy/KC4AQF
Wojciech Kossowski/KE4MSM
David Webb/KD4LLO
Larry Hackett/
Benjamin Gayer/KZ4PN
Nathaniel Pagel/KR4AJE

Expiring 2/28/2026

First Name Last Name/Call

Steve Broome/KN4NUI
James C Lowe/AC4JL
James Horak/KG5PTE
Glenn Davies/KO4NTA
Joseph Danet/KZ4QC
David Lehman/KR4BEQ
Jacob Baker/K4RZO
Todd Ludington/KQ4NZC
Jhoan Rivero/KR4CBU
Johnathon Wackenhuth/KR4CAE
Joshua Hufford/KA4JSH
Rolando Tovar/KR4CAD
Frank Dauns/KR4BZZ
Sean Henry/KR4CAJ
Larry Gwaltney/KR4CAI
Wayne Roberts/KR4CAP
Timothy Dwyer/AC4TD
Ralf Pemsel/K4RPP

Volunteer Examiner Report

(by Aaron Morrison, AE4KO / Bob Cumming, W2BZY)

The Orlando Amateur Radio Club VE Team congratulates the following people who earned new or upgrades to their amateur radio licenses during the recent session before the OARC meeting:



No Exams given during the month of December

EXTRA CLASS*

GENERAL CLASS*

TECHNICIAN CLASS **

The Orlando Amateur Radio Club holds a Ham Radio License Exam Session the first Wednesday of each month just prior to our club meeting. Testing begins at 5:30pm. You can always check out our website at OARC.org for the latest information.

OARC Meetings and Events 2026

Important Meeting Information

<h1 style="margin: 0;">2026</h1>	
January 7, Wednesday	License Exams 5:30pm Meeting 7:30pm at the Beardall Senior Center Program: "RT Systems Products" by Karin Thompson
February 4, Wednesday	License Exams 5:30pm Meeting 7:30pm at the Beardall Senior Center Program: "Pirate, Spy and Clandestine Radio" by Joe Eisenberg, K0NEB
February 13-15, Friday - Sunday	<h2 style="margin: 0;">HamCation</h2>
March 4, Wednesday	License Exams 5:30pm Meeting 7:30pm at the Beardall Senior Center Program: "HamCation 2026" by Michael Cauley, W4ORL
April 1, Wednesday	License Exams 5:30pm Meeting 7:30pm at the Beardall Senior Center Program: "Hints and Kinks with NanoVNA" by Eric Nichols, KL7AJ
May 6, Wednesday	License Exams 5:30pm Meeting 7:30pm at the Beardall Senior Center Program: "Introduction to Microcontrollers" by Glen Popiel, KW5GP
June 3, Wednesday	License Exams 5:30pm Meeting 7:30pm at the Beardall Senior Center Program: "High Efficiency Mutli-band Wire Antenna Design" by Gary Baker, K7EMF
June 26 - 28, Friday - Sunday	Field Day Location: TBD
July 1, Wednesday	License Exams 5:30pm Meeting 7:30pm at the Beardall Senior Center Program: "Close Encounters of the Microcontroller Kind" by Glen Popiel, KW5GP

August 5, Wednesday	License Exams 5:30pm Meeting 7:30pm at the Beardall Senior Center Program: "Ask and Elmer" by OARC Board of Directors
September 2, Wednesday	License Exams 5:30pm Meeting 7:30pm at the Beardall Senior Center Program: "Off Grid Communication with LoRa and Meshtastic" by Tom Graham, WX8TOM
October 7, Wednesday	License Exams 5:30pm Meeting 7:30pm at the Beardall Senior Center Program: "Near Vertical Incident Skywave (NVIS) Antenna for EmComm" by Gary Spangenberg, KF4GGK
November 4, Wednesday	License Exams 5:30pm Meeting 7:30pm at the Beardall Senior Center Program: "10 acres for Antennas Where my Wife Doesn't Live: Building a Remote Station" by Bruce Perens, K6BP
December 5, Saturday	Holiday Party

ASK AN ELMER

**Where you can ask questions and get respectful answers.
Send your questions to: info@oarc.org**

Hams in the Park : January 10, 2026

(by Stephen Derosa, KQ4RUB and John-Paul Craig, KZ4JW)

January Hams in the Park will be on January 10th, 2026 at Central Winds Park. Event details are here: <https://www.lmars.org/annual-events/hams-in-the-park-cwp-2>.

During our January Hams in the Park event, we will set up our Fox so you can practice fox hunting using your home-built tape measure Yagi antenna, or any other antenna you may have. This is in preparation for our upcoming fox hunt (date TBD).

Not sure what fox hunting is then check this out... <https://lmars.org/annual-events/fox-hunts-2>.

Don't have a tape measure Yagi antenna then head here for details on how to build one... <https://drive.google.com/file/d/1z4-CXk045RsbM166CH4caqvKVDy-afmP/view?usp=sharing>

[NOTE: If you need supplies for the antenna we have some extra, reach out to Joe...
jhmarshfla@gmail.com, 407-454-1520 .

We look forward to seeing you there!

WINTER FIELD DAY : January 24 - 25, 2026

(By Joe Marsh, KQ4AID, LMARS)
jhmarshfla@gmail.com 407-454-1520

Come join Lake Monroe Amateur Radio Society (LMARS) as we participate in the 2026 Annual Winter Field Day (WFD) event!

The intention of WFD is a winter emergency communications exercise, where ham radio operators can practice operating portable in an environment that is not always favorable to warm and nice weather. But for us we typically have nice weather... It is a time to operate outdoors without the heat of Summer.

Whether your interest is setting up equipment, operating on the air, exploring various modes of operation, or simply enjoying the camaraderie of fellow hams, we encourage you to come and be part of the experience. We will have HF stations operating voice and CW. We hope to make some VHF/UHF, and satellite contacts. Our primary goal is to ensure everyone has a great time. Mark your calendars and make plans to join us for this exciting event.

All are welcome!

Event Information:

- Location: Central Winds Park: Small Pavillion.
- Set-up starts at 9:00 AM on Saturday 1/24/2026
- Operating starts at 11:00 AM on Saturday 1/24/2026
- Operating ends at 3:00 PM on Sunday 1/25/2026
- Teardown starts at 3:00 PM on Sunday 1/25/2026

Operating Stations:

- 1- Single Side Band Phone
- 1- Conventional CW
- 1- Digital
- Simplex VHF
- Possibly Satellite VHF

Talk-in: Join the repeater for the event on 147.285 MHz, +600 MHz Offset, with a PL tone of 107.2 Hz (We will not use the repeater during the SVTN Net from 7:10 PM until approximately 7:40 PM, whenever the net ends.)

What to Bring: Bring whatever you normally bring to an outdoor radio event including handheld radio; camp chair; Any special snacks or drinks you may want; Clothing appropriate for the weather.

IMPORTANT NOTE: Due to the issues from Field Day, we will not link logging computers together. We should be good with logging.

Registration and details are located here: <https://www.lmars.org/annual-events/winter-field-day>



Florida State Parks on the Air Contest

April 17 through 20, 2026

172 Parks, Trails, and Historical Sites to Choose From

Activate One or Activate Them ALL!



For More Information:

Email: info@fspota.org

Subscribe: fspota+subscribe@groups.io



<https://fspota.org>

<https://parksontheair.com/>

Texting Like It's the Jazz Age

(NTS Letter for December 2, 2025)

Alan Dove, AB1XW, From the Hampden County (MA) Radio Association Newsletter

One morning earlier this month, I got a text from my dad, K3ORC, letting me know that he'd just received the QSL for his 100th contact on 80 meters. With that, he'd achieved DXCC on 8 bands. Earlier this year, he'd also reached a total of 1,000 band-countries in the ARRL's ongoing DXCC Challenge. It's an impressive set of accomplishments for a ham who operates exclusively with 100-watt radios and suboptimal wire antennas.

I congratulated him by text, of course, but felt this occasion called for a little more fanfare. Shockingly, Hallmark doesn't seem to have any "Congratulations on your band-country total" cards. Then I thought of something more appropriate: a radiogram.

Not having interacted with ARRL's National Traffic System (NTS) in quite a while, I did some looking around and discovered that it has evolved a bit. In fact, there's a whole ARRL initiative called "NTS 2.0," which is trying out a bunch of strategies to revitalize the ham tradition of relaying messages.

I'll just mention some of the major developments of recent years, for those who, like me, haven't paid much attention to the NTS in a while. First, there are now two organizations dedicated to relaying formal radiograms over the air: ARRL's NTS program, and an independent nonprofit called Radio Relay International (RRI). Thankfully, the two groups now cooperate to run a single unified network. The second major trend has been technological, with NTS/RRI embracing digital modes such as NBEMS and Winlink, in addition to PACTOR, VARA and packet, for a lot of message handling, while still preserving their traditional voice and CW nets. Finally, NTS 2.0 is making a major push to integrate NTS with emergency communication groups such as ARES and RACES, and to find ways to generate more message traffic to exercise the system and its operators between disaster responses.

This gave me a plethora of options for sending my radiogram to Dad. The quickest and easiest doesn't even require a radio: ARRL now hosts a radiogram portal where anyone can enter their message into a web form, click a button, and inject their radiogram into the traffic system. I have radios, though, and like to use them, so I looked at the NTS/RRI nets I could reach on the air. There's even a way to send a radiogram via APRS.

I decided to go old school with an HF SSB net. To avoid making a fool of myself, I first filled out an ARRL Radiogram form. You can find detailed instructions for the form online. Some parts may seem a bit arcane at first, but it's designed to ensure the message can pass through multiple operators on different modes and still arrive exactly as it was sent. Once you get used to it, it's pretty straightforward.

Checking into a traffic net is like checking into any other directed net. If you've been on any of our local club nets, you already know the drill: listen to the net control station (NCS) and follow their instructions. In my case, the correct procedure was to answer the call for "stations with traffic" by giving my call sign and then saying, "through one," meaning I had one message going outside the net's area of coverage, i.e., "through traffic." I didn't quite get it right, but I came close, and the NCS offered a friendly correction for next time.

Once everyone was checked in, the NCS paired me with another station who would take my traffic. When he was ready to copy, I read my radiogram top to bottom, using phonetics to spell out call signs and abbreviations. After you've listened to a few traffic nets, the procedure will become second nature. Traffic nets are efficient, and after a few more radiograms got passed, the NCS secured the net. The whole thing had taken about 15 minutes.

I got a text from Dad the next day thanking me for the radiogram. He said he'd never gotten one before; I think he was tickled by the novelty of it. And outside a major disaster, that's a great way to think about radiograms: a fun, nostalgic novelty that also exercises our operating skills. Sure, vessels at sea are streaming Zoom calls over Starlink satellites, Meshtastic nodes are popping up like mushrooms after a rain, and most of us have unlimited calling and texting plans on our pocket supercomputers. That's why Western Union doesn't even offer telegram service anymore. But we do, and interacting with that system is a fun way to practice important on-air skills, fit a bit of ham radio into a short window of time, and explore new operating modes, all while sending a message with some old-fashioned charm.

There are even games you can play now via radiogram. Folks have been sending chess moves through the system for years, but more recently NTS introduced a "Treasure Hunt" that anyone can join (details are at <https://nts2.arrl.org/treasure-hunt/>).

Whether you're hunting for radio treasure or just sending holiday greetings or congratulations to some distant friends and family members, radiograms are a fun break from the usual communication media we use these days. Give it a try. Operators are standing by.

Teachers Institute Telethon Raises Over \$23,000

(The ARRL Letter for December 2025)

The third annual YouTube telethon for the [ARRL Teachers Institute on Wireless Technology](#) (TI) was another great success, with more than \$23,000 raised to help cover the costs of ARRL's professional development program designed to help

classroom teachers elevate their STEM (science, technology, engineering, and math) programs through the use of wireless technology. The program is entirely donor-funded. The telethon ran for more than 13 hours on the Saturday after Thanksgiving on the [Ham Radio Crash Course YouTube channel](#), led by program host Josh Nass, KI6NAZ. YouTube viewers donated \$18,081, plus \$570 in direct donations to ARRL and a \$5,000 matching grant, for a total raised of \$23,651. The entire telethon may be viewed online. It is in two parts: [Part 1](#) / [Part 2](#).

ARRL Director of Education and Learning Steve Goodgame, K5ATA, said the telethon “has proven to be a great collaboration between ARRL and the YouTube community ... to help ARRL meet funding goals to facilitate the continued growth of TI.” He added that “The energy of the community to hold what has grown to be an annual marathon to raise money is amazing.” Goodgame said one of the highlights of the telethon was when Nass noted that the gifted program in the school his own children attends is in need of hands-on activities for their students, and that amateur radio is a perfect fit for learning by doing.

“We are thankful for our hosts like Josh, KI6NAZ, and all the donors who helped to make this event a success,” said ARRL Director of Development Kevin Beal, K8EAL. “The many donors who gave online for the telethon via YouTube/Google received an email with their tax receipt from ‘Network for Good,’ which will then transfer all proceeds to ARRL. Donors can get lifetime giving credit from ARRL by forwarding that receipt to development@arrl.org.”

In 2025, nearly 200 teachers attended 13 TI sessions, said Goodgame, noting that the teachers “took knowledge and equipment back to their classrooms to elevate their STEM programs.” This year, for the first time, some TI sessions were “on the road” in Louisiana, Texas, New York and Maryland (in partnership with Johns Hopkins University).

Twenty-one TI sessions are planned for 2026, including specialized ones on balloons and amateur radio, space communications and radio astronomy, and remote sensing and data gathering. While most of the 4-day sessions will be held at ARRL Headquarters in Newington, Connecticut, the program will return to 2025’s remote locations, as well as adding new sessions in South Carolina and the Washington, DC, area. In addition, Goodgame says, ARRL is in the process of building a partnership with the SETI Institute and hopes to hold a session at its facility in California.

The ARRL Teachers Institute is a major part of ARRL’s third advocacy of “inspiring youth,” along with its advocacies of promoting and protecting amateur radio.

A Great After-Holiday Gift ... ARRL Kids Day!

(The ARRL Letter for December 18, 2025)

Twice a year, ARRL offers an event designed to promote amateur radio to our youth ... Kids Day! Kids Day number one takes place on the first Saturday of the year and for 2026, that's January 3. The event runs from 1800 UTC through 2359 UTC. You can operate as much or as little as you like. It's all designed to give on-the-air experience to young people and hopefully foster interest in getting licenses of their own. It is also intended to give older hams a chance to share their station and love for amateur radio with their children.

Here's how it works: You can invite your kids or grandkids to your station, explain how it works, and then take turns talking on the radio. You could also share the excitement with your neighbors, a Scout troop, a church group, or the general public at a library or a shopping mall.

You can use most any frequency from 10 - 80 meters. You can also use one of your favorite repeaters... with permission from the repeater's owners. Be sure to observe third-party restrictions when making DX QSOs. Then the real fun starts...take pictures, write your story, and send them to ARRL. With a [signed release form](#), your story can appear in ARRL publications like *QST*, as part of the Kids Day and Youth write-ups, Strays, Up Front, and more. Send stories to contests@arrl.org.

Then, the part that will light up the kids' eyes even more...a [Kids Day Certificate of Participation](#) (PDF). It's downloadable, and every kid who has participated gets to take one home to hang on their wall!

Signup is easy at [Kids Day](#) on the ARRL website. You'll get all of the information you'll need to make this after-holiday gift a yearly event! And remember....there is another ARRL Kids Day on the third Saturday in June!

ARRL to Host 2026 HamSCI Workshop at Central Connecticut State University

(The ARRL Letter for December 11, 2025)

ARRL will host the [9th Annual HamSCI Workshop](#), March 14–15, 2026, at Central Connecticut State University ([CCSU](#)) in New Britain, Connecticut, with activities also occurring at ARRL Headquarters in nearby Newington. Organizers for the Ham Radio Science Citizen Investigation ([HamSCI](#)) community are working hard to put together a memorable event that will bring together amateur radio operators, citizen scientists, students, and professional researchers.

This year's theme, "Discovering Science Through Ham Radio," highlights the vibrant intersection of amateur radio and scientific discovery. The 2026 workshop will showcase achievements across the community, including the latest advances in

ionospheric research, Personal Space Weather Station development, meteor scatter propagation studies, and the expanding use of technology and techniques for real-time radio propagation sensing.

Participants can expect more than 50 oral and poster presentations (the [abstract submission](#) window is open through January 20, 2026), invited tutorials, and a Saturday evening banquet featuring a keynote address from a prominent member of the community. Attendees will also enjoy a visit to ARRL's national headquarters, with tours of the ARRL Lab, W1HQ Radio Laboratory, and opportunities to get on the air from W1AW – the Hiram P. Maxim Memorial Station. Most attendees will participate in person, with a virtual option to be announced.

The organizing committee includes representatives from The University of Scranton, New Jersey Institute of Technology, and ARRL. Financial support includes grants from the United States National Science Foundation and Amateur Radio Digital Communications (ARDC).

A variety of [registration](#) options are available. For more information, visit the HamSCI 2026 Workshop page at hamsci.org/hamsci2026.

Read the full story on ARRL News:

<https://www.arrl.org/news/arrl-to-host-2026-hamsci-workshop-at-central-connecticut-state-university>

FCC Allocates 60-Meter World-Wide Amateur Band Approved at WRC-15; Continues Amateur Use of Four Additional 60-Meter Channels, and Updates 420 MHz Coordination Information

(The ARRL Letter for December 11, 2025)

The FCC on December 9, 2025, released a long-awaited [Report and Order](#) adopting a new amateur radio spectrum allocation in the 60-meter band that was approved for world-wide use on a secondary basis in the WRC-15 (World Radiocommunication Conference 2015) [Final Acts](#). The Commission also agreed with the ARRL petition to continue to allow amateur operations on four existing 60-meter channels outside the international allocation with a full 100 watts. **The new rules will go into effect 30 days after publication in the Federal Register, when amateurs may then begin using the allocation.**

Specifically, the Commission allocated 5351.5 - 5366.5 kHz (60 meters) to the amateur service **on a secondary basis with a permitted power of 9.15 watts**

ERP. The Commission also authorized amateurs to continue using four existing channels outside of the 5351.5 - 5366.5 kHz band, centered on 5332, 5348, 5373, and 5405 kHz, on a secondary basis with a permitted power of 100 watts ERP. There are no antenna restrictions, but antenna gain must be used to calculate ERP.

The 60-meter allocation is available to amateurs holding a General Class or above license. The maximum permissible signal bandwidth is 2.8 kHz.

Amateurs are cautioned that this allocation is strictly on a secondary basis, and amateurs must avoid interfering with non-amateur stations using this spectrum. This obligation includes the responsibility to monitor for such stations using appropriate receiver bandwidths. The FCC emphasized that "allowing amateur operations in this band while fully protecting incumbent primary Federal operations is our priority, and even intermittent interference in this band could jeopardize important Federal operations."

The America250 WAS Challenge

(ARRL Club News for December 17, 2025)

2026 marks a year of many celebrations. In addition to ARRL's Year of the Club, it is also the 250th anniversary of the United States Declaration of Independence. To honor this milestone, ARRL has introduced a special, yearlong **Worked All States (WAS) Award**, called the **America250-WAS**. This for-purchase award will be available throughout 2026 via Logbook of The World (LoTW), and only QSLs made via LoTW count toward the award.

The America250-WAS Award is earned by confirming contact with all 50 states between 0000 UTC January 1, 2026, through 2359 UTC December 31, 2026. Endorsements for this award include:

- W1AW/Portable — Confirm contact with W1AW/portable stations in all 50 states (states will be active for two 7-day periods during the year) on HF, VHF, and above (excluding 60 meters) on all three modes (CW/phone/digital).
- Triple-Play — Confirm contact with stations in all 50 states on all three modes (CW/phone/digital), regardless of band.
- Affiliated Clubs — Confirm contact with Affiliated Club call signs (the call sign must be as shown on the ARRL Affiliated Club web page at www.arrl.org/find-a-club). For example, contacts made with the Newington Amateur Radio League, W1OKY, count for Connecticut when contacting all 50 states. Visit lotw.arrl.org/lotw-help/getting-started to get your club call sign set up in LoTW for a call sign certificate. Direct any questions to lotw-help@arrl.org.

Questions regarding the America250-WAS Award can be directed to ARRL Radiosport Manager Bart Jahnke, W9JJ, w9jj@arrl.org.

ARRL Awards Colvin Grant to Bouvet DXpedition

(The ARRL Letter for December 31, 2025)

ARRL has awarded a \$5,000 Colvin Award grant to the Delta-Xray Group, organizers of the upcoming [3YØK DXpedition to Bouvet Island](#), scheduled for February and March, 2026. Bouvet is a remote island in the Southern Ocean, populated only by seals and penguins, and known for treacherous weather and surf conditions. It is a territory of Norway and nearly all of it is covered by glaciers. The most recent amateur radio operation from Bouvet was the 3YØJ DXpedition in 2023, which moved the island from #2 on the Club Log most wanted list to #10.

Two camps are planned, according to team leaders, operating all HF bands, with one camp focusing on high band propagation to North America when conditions allow. Each camp will consist of three tents serving as operating, sleeping, and communal spaces. These tents have previously been used on Bouvet Island and team leaders say they have proven capable of withstanding the extreme conditions expected.

Plans call for the team to leave for Bouvet from Cape Town, South Africa, on February 1. Weather permitting, 3YØK plans to use helicopter airlifts to transport personnel and equipment between the vessel and the island. The group expects to spend three weeks on and around the island and will attempt to contact as many other ham radio operators around the world as they can, using up to 8 stations operating on CW, SSB, FT8, RTTY and the QO-100 geostationary satellite.

The 3YØK DXpedition is perhaps the most expensive ham radio expedition ever mounted, with a budget of \$1.7 million, most of which (\$1.2 million) is for what the team refers to as a "reliable commercial Arctic / Antarctic vessel," noting that "(s)afe and reliable ship transportation continues to be a challenge for such remote island expeditions, and the cost continues to rise." Team leaders note that "the foremost priority of the 3YØK expedition is the safety of the operating team, support personnel, and the vessel and helicopter crews."

The team consists of 24 operators from 14 countries. Two of the team members are young hams, 21-year-old Max Freedman, N4ML, an ARRL staff member; and 26-year-old Alex Schengber, DL2ALY, an aviation engineer currently working at a German research station in Antarctica.

The Colvin Award is funded by an endowment established by the legendary DX couple Lloyd Colvin, W6KG (SK), and Iris Colvin, W6QL (SK), both now deceased. The award is intended to support amateur radio projects that promote international goodwill in the field of DX.

Other major financial support for the DXpedition has come from the Northern California DX Foundation, the International DX Association, and the German DX Foundation.

The complete 3YØK log will be uploaded to ARRL's [Logbook of The World](#)® — LoTW® — within 12 months following the DXpedition. LoTW is used by radio amateurs to track their progress toward awards including ARRL's [DXCC Award](#) — the DX Century Club Award — which is achieved by confirming on the air contacts with 100 geographic entities.

"We extend our sincere thanks to all equipment sponsors and financial supporters, and particularly the ARRL Colvin Award grant. Without this collective support, activating Bouvet Island and delivering an ATNO (All-Time New One) from the #10 Club Log DXCC most wanted entity would not be possible." The team continues to seek financial support from the amateur radio community.

For more information, [visit 3y0k.com](http://visit.3y0k.com).

ARDC Introduces "44Net Connect"

(The ARRL Letter for December 31, 2025)

There is now an easier way for ham radio experimenters to secure a static IP address specifically designated for amateur radio use. ARDC, the Amateur Radio Digital Communications organization, has introduced "44Net Connect," which it describes as "a service that makes it easy for hams to begin using 44Net IPv4 addresses through a simple, modern setup." The group explains that "(w)hether you're experimenting with digital modes, improving repeater infrastructure, setting up a home lab, or just curious to see what 44Net is all about, this new service lowers the barrier of entry to get you started."



ARDC is best known as a foundation making grants to help fund amateur radio and/or digital communications technology, but its original mission was — and still is — to administer internet network 44, also known as [44Net](#) or AMPRNet. This group of internet addresses, from [44.0.0.0/9](#) to [44.128.0.0/10](#), was set aside for amateur radio use when the internet was first being organized in the 1980s.

According to ARDC, 44Net Connect uses modern, secure WireGuard networking that's already supported by many popular routers, including NETGEAR, TP-Link, and Ubiquiti, and it works across a wide range of devices, from desktop computers and phones to tiny Raspberry Pis.

The group says 44Net Connect offers four especially useful features: Simple setup; a static IPv4 internet address that doesn't rely on your commercial internet service

provider (ISP); bypassing carrier-level network address translation (CGNAT) limitations, and a safe space to learn and experiment with networking technology without fear of “breaking the internet.”

“All in all,” says ARDC, “44Net Connect makes 44Net more accessible and fun, helping more people experiment with networking, amateur radio, and digital communications technologies!” More information and instructions for accessing the system are available on the ARDC website’s [44Net Connect](#) page.

Amateur Radio in the News **(The ARRL Letter for December 4, 11, 18, 23, 31, 2025)**

ARRL Public Information Officers, Coordinators, and many other member-volunteers help keep amateur radio and ARRL [in the news](#).

“[South Jersey STEM Club reaches new heights with weather balloon launch](#)” / Cherry Hill Courier-Post (New Jersey) December 2, 2025 -- *The Woodruff Middle School and the Gloucester County Amateur Radio Club, an ARRL Affiliated Club.*

“[Kids can talk to Santa Claus via Ellis County Ham Operators on Saturday](#)” / Hays Post (Texas) December 2, 2025 -- *The Ellis County Ham Operators is an ARRL Affiliated Club.*

“[Alachua County Volunteer Radio Team earns 1st-place national ranking in Emergency Operations Center category](#)” / Alachua Chronicle (Florida) December 8, 2025 -- *The North Florida Amateur Radio Club (NFARC), an ARRL Affiliated Club, Alachua EOC Radio Club, the Amateur Radio Emergency Service® (ARES®).*

“[Ham radio operators make radio contact with North Pole](#)” / The News - Enterprise (Kentucky) December 11, 2025 -- *The Harrison County Amateur Radio Club is an ARRL Affiliated Club.*

“[Joe Walsh On Alcohol, Ham Radio And The Eagles/James Gang Connection](#)” / Forbes, December 13, 2025 -- Part 1 interview series with Eagles and James Gang guitarist Joe Walsh.

“[Kids talk to Santa Claus over ham radio at Museum of Radio and Technology](#)” / WOWK (West Virginia) December 14, 2025 – *Tri-State Amateur Radio Association is an ARRL Affiliated Club.*

“[Amateur Radio Club holds annual dinner meeting](#)” / The Highland Press (Ohio) December 15, 2025 -- *The Highland Amateur Radio Association is an ARRL Special Service Club.*

["Ham radio keeps people connected, even 'when all else fails' "](#) / Farm and Dairy (Ohio) December 26, 2025 -- *The Fulton County Amateur Radio Club is an ARRL Affiliated Club*

Local Area Amateur Radio Club Contact Information

Club Name	When	Where	Contact
Orlando Amateur Radio Club (OARC)	1 st Wednesday of the month at 7:30pm License Testing at 5:30pm	Beardall Senior Center 800 S. Delaney, Orlando, FL	Bob Nocero, W4KBW at info@oarc.org
Lake Monroe Amateur Radio Society	1 st Thursday of each month at 7:00pm	Winter Springs Civic Center - 400 North Edgemon Avenue, Winter Springs, FL	Joe Marsh, KQ4AID at LMARS.ARC@gmail.com
Bahia Shriners Amateur Radio Unit	2 nd Wednesday of the month	Perkins Restaurant 215 W. SR 436 Altamonte Springs	Rod Cavin, W4VBK w4vbk@arri.net
Quarter Century Wireless Club (QCWA)	2 nd Thursday of the month	Perkins Restaurant 701 E SR 434, Winter Springs, FL (1 blk east of HRO)	Roberta Cohen, WA2FRW at Wa2frw@aol.com
Bill Church-and-Christy Moore-CERT Team 62	4 th Thursday of the month at 6:00pm	Recreation Hall, 3000 Clarcona Rd., Apopka FL	Christy Moore, KN4MDM (407) 921-9555
Osceola County ARES	Last Monday of the month at 6:00pm	Osceola County EOC, 2586 Partin Settlement Rd, Kissimmee, FL	Kq4afy@osceolacountares.org
Central Florida Repeater Association (CFRA)	Last Wednesday of each month Arrive around 6pm for some food and chat. Meeting starts about 7:00pm	Perkins Restaurant 6425 University Blvd, Winter Park, FL	Bob Nocero, W4KBW at W4kbw@cfl.rr.com
Solavita Radio Club	Last Thursday of the month at 7:00pm	Gator Room, Solivita, 404 Village, Dr, Poinciana, FL	operator@kq4afy.xyz
Radio Scouting WB4SA	Annual meetings, Quarterly events	Camp La Noche, 41940 Boy Scout Rd, Paisley, FL	Ken Lyons, KN4MDJ kn4mdj@gmail.com info@RadioScouting.us

Weekly Radio Networks

Mon @ 19:15	147.285 MHz	Seminole VHF Traffic Net - Except - First Monday of the month (147.555 Simplex)
Mon @ 20:00	147.090 MHz	Seminole ARES Net - Except - First Monday of the month (146.460 Simplex)
Tues @ 19:00	145.350 MHz	Osceola ARES Net
Tues @ 19:30	147.195 MHz	Quarter Century Wireless Association
Tues @ 20:00	146.760 MHz	Wayne Nelson Trader's Net
Wed @ 19:00	147.300 MHz	Disney Emergency Amateur Radio Service
Wed @ 21:00	432.090 MHz	Florida Weak Signal Group
Thur @ 19:00	443.050 MHz	Orange County ARES Net
Thur @ 20:30	432.090 MHz	Florida Weak Signal Group
SUN @ 20:00	147.285 MHz	LMARS Rag Chew & Learning Net

Propagation Beacons

([Florida Weak Signals Society - W4FWS](#))

Frequency	Power (Watts)	Antenna	Location
144.277 MHz	20	Horizontal Loop	EL98HN
222.056 MHz	10	Horizontal Loop	EL98HN
432.307 MHz	12	Horizontal Loop	EL98HN
902.400 MHz	10	Egg Beater	EL98HN
1296.030 MHz	25	Egg Beater	EL98HN
2304.050 MHz	12	Alford Slot	EM80MI (A)
3400.180 MHz	6	Alford Slot	EL98HN (B)
5760.120 MHz	8	Wave Guide Slot	EL98HN (A)
10368.015 MHz	3	Wave Guide Slot	EL98HN
24192.035 MHz	0.150	Wave Guide Slot	EL98HN

(A) Off the Air for Rebuild

(B) Off the Air for Frequency Change

Antennas are horizontally polarized and reasonably omnidirectional
Information current as of March 4, 2025

For more information, contact the [Florida Weak Signal Society](#).



OARC Membership Application

Make checks payable to:
Orlando Amateur Radio Club

Mail to:
Orlando Amateur Radio Club
3208 E. Colonial Dr. PMB 168
Orlando, FL 32803

To have your membership card mailed to you, please include a SASE with your check.

Date: ___/___/20___ [] Regular Member [] Family Member [] Associate Member
[] New Membership [] Renewal [] CMP

Name: _____ Call _____ Class _____

Address: _____

City _____ State _____ Zip _____

E-mail Address (print) _____

(Home) Phone: _____ (Cell) Phone _____ Birth Month _____

Rates: Regular [] 1 year \$15.00 [] 3 years \$40.00 [] 6 years \$75.00

Rates: Family [] 1 year \$5.00 per family member Husband, Wife or Child under 18

Rates: Associate [] 1 year \$15.00 Dues Total: _____

All Membership(s) will expire ONE, THREE or SIX year(s) from date paid.

Other Club Affiliations: _____

Are you an ARRL Member: [] Yes [] No

Name Badges: White letters on Black background with Gold embossed OARC logo.

[] Regular 3" x 1.5" @ \$10.00 each

Name: _____ Call _____

All badges are to be picked up at the General meeting or add \$5.00 for shipping & handling.

Shipping & Handling: [] Yes [] No

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