



The Listening Post



Dedicated to Community Service and All Central Florida Hams August 2025

President's Message

Greetings everyone! I hope this finds you doing well. The dog days of summer are here. Whatever you do, please be sure to stay hydrated and please be sure you check on your family, friends and neighbors. This heat wave has been brutal.

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OARC MEETING

Wednesday, August 6, 2025, 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

Frank Gergits, KC9GNQ

Christy Moore, KN4MDM

Frank Tagliani, KD4EZW

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)*

Along with the dog days of summer, we are rapidly approaching the peak of hurricane season. Hurricane season started slow this year and I'm good with that. Personally, I would be OK with NO hurricanes coming anywhere close to Florida this season. Realistically, of course we cannot control that and for that we must be prepared for what may still come.

First and foremost, please make sure you and your family are prepared. Hurricane supplies, including water, batteries, non-perishable foods, and flashlights should all be stored in advance, before a storm even threatens. Take advantage of many hurricane supplies that are no longer taxable. Batteries being one of them. After your family is prepared, then make sure you have a go kit ready, just in case you need to operate in extreme conditions, including no electricity. Just be prepared to communicate via ham radio on any needs you may have. Plus, those of us who are part of ARES or another related group may just need your assistance!

Three of the teachers from Sally Ride Elementary (SRE) school attended the ARRL Teachers Institute in Newington CT a few weeks ago. All three have said they learned a lot and had a great time. They felt the class was very informative and they gained a lot of knowledge to take back to their students. We'll be meeting with them very soon to discuss what opportunities we have to teach ham radio to the students this year and to work on starting the Sally Ride Elementary School Club. We look forward to growing our partnership at SRE. If anyone is interested in participating with our efforts, please reach out to me.



I am looking for a volunteer to assist and lead our club efforts in Radio Sporting (a competitive aspect of amateur radio including Amateur radio direction finding, DXing and contesting). Please contact me directly for more information.

We look forward to seeing you this coming Wednesday at 7:30pm for the August meeting. Our Topic this month will be a panel of experts answering YOUR ham radio questions. Don't forget our next test session is the same night, Wednesday, at 5:30pm and all of this takes place at the Beardall Senior Center, 800 S Delaney Ave.

John Knott, N4JTK

August Program --- Questions and Answers

(By Ed Thralls, NE4H)

Several months ago, an OARC members asked our President John Knott, N4JTK, if we could set aside some time to be able to ask questions about amateur radio. So this program, loosely configured, and is in response to that request.

The presentation for the August meeting will be live. The "Panel" will be composed of all OARC Board members. However, all attendees may participate and provide answers to questions. I will try to copy questions of those we don't know answers to and share them with Board members to find the answers.

This presentation will be presented by OARC members. Are you new to Ham radio and have questions? Have you been a Ham radio operator for several to many years and still have questions? This is the night you will want to be at the meeting. Get your questions answered by seasoned Ham radio operators, which could be any one at the meeting.

Our Club is Growing – New Members and Birthdays

(By Rick Peron, KM4KQQ, Membership Chairman)



KR4FBH Alphonse Combs/Tech

KR4FBI Amelia Ditren/Tech

KR4FBJ Carlos Ditren/Tech

Birthdays this Month



AC9OR Clarence Rogers

KA4JSH Joshua Hufford

KB4LHP Luther Pollok

KJ4ECW Robert Boyett

KN4ZXM U. Brian Tavares

KO4RID Dennis Lynch

KQ4DQP Aleksandar Vasilev

KR4BGD David Aronowitz

KR4CAE Johnathon Wackenhuth

K1MCO Javier Cabrera

KB4JKL Jeffery Savasta

KD4EZW Frank Tagliani

KJ4VQO Harry Bankes

KO4RIC Stephen Toth

KQ4AID Joe Marsh

KQ4UKM Mathew Rainey

KR4EOW Yuan Sierra

KR4FBJ Carlos Ditren

KQ4HAM Edward Miller

KR4BZZ Frank Dauns

KR4FBH Alphonse Combs

KV4RA Michael Gotschall
N4BUT Nicholas Butler

KY4ZF Johan Linner
W3PV Ronald Maples

N2YNV Angel Hernandez
W4KEF Ken Fields

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 8/30/2025

First Name Last Name/Call

Jacob Baker/KC4QDW
Matthew Barnette/KQ4UKI
Christopher
Blickensderfer/KQ4TJK
Evan Hoffman/N4EWH
Kevin Jeffers/K4KMJ
Rod Mauro/K2RDM
Daniel Mealo/W4JWS
Hampton Paulk/
Mathew Rainey/KQ4UKM
Juan Sanchez/KQ4SCN
Rene Torres/KQ4UKN

Expiring 9/30/2025

First Name Last Name/Call

Carlos Iglesias/K4IGL
David Porter/KQ4VDG
Rick Vallier/KQ4VDJ
Marshall Wyatt/KF5NZE

Expiring 10/30/2025

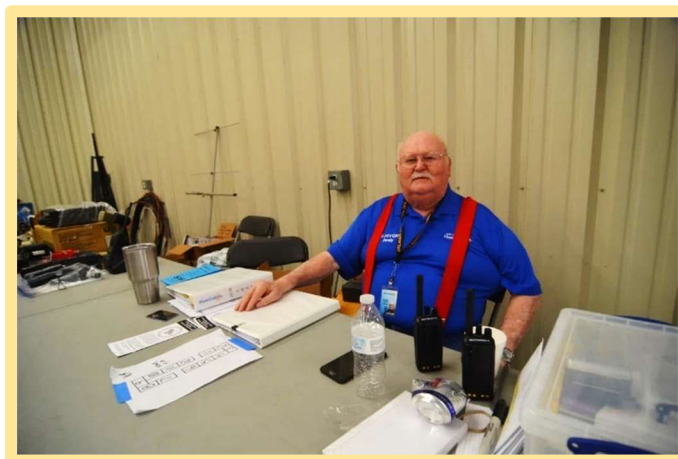
First Name Last Name/Call

Jacob Bates/K4LAG
Keagan Bowman/KQ4VWE
Edwin Evenson/KI4AGL
Laszlo Patassy/K9LAZ
Jason Penrod/KQ4VWF
John Price/KI4FBO
Jeffery Reyes/N2JRE
Luke Vandervort/KD2HEY



Silent Key --- Andy Anderson, KJ4VQN

It is with a heavy heart to announce that OARC member, OCARES member, and former HamCation® SWAPS Chairman became a silent key on April 7, 2025. Please keep Andy's wife Carol and his family and friends in your thoughts and prayers.



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:



EXTRA CLASS*

Ryan Mayers/KM4EJW

GENERAL CLASS*

Jay Summet/KR4EIY

TECHNICIAN CLASS **

Alphonse Combs/KR4FBH
Carlos Rubio Ditren/KR4FBJ

Amelia Rubio Ditren/ KR4FBI
Jorge Morales Montanez/KR4FBC

* Congratulate these hams on their upgrades and listen for them in the new bands/frequencies they now have privileges to use.

** Listen for these new hams to "get on the air" once their license is in the database. Be sure to welcome them to a wonderful hobby and a whole new world!

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.

The Volunteer Examiners for this session included:

AE4KO Aaron Morrison	W2BZY Bob Cumming	KT3S Den Ardinger	N4UMB Joe Patti
WD4ORM George Markward	W4VBK Rod Cavin	NE4H Ed Thralls	WR4RW Rich Wilson
N2KIQ Paul Kronenwetter	WY1E Michael Kooiman		

OARC Meetings and Events 2025

Important Meeting Information

August 6, Wednesday	<p>License Exams 5:30pm Meeting 7:30pm at the Beardall Senior Center</p> <p>Program: ASK an ELMER (Q&A Session)</p> <p>This presentation will be presented by OARC members. Are you new to Ham radio and have questions? Have you been a Ham radio operator for several to many years and still have questions? This is the night you will want to be at the meeting. Get your questions answered by seasoned Ham radio operators, which could be any one at the meeting.</p>
September 3, Wednesday	<p>License Exams 5:30pm Meeting 7:30pm at the Beardall Senior Center</p> <p>Program: Power, Current, Voltage, and Resistance (PIER) Review Method of Circuit Analysis By: Eric Nichols, KL7AJ</p>
October 1, Wednesday	<p>License Exams 5:30pm Meeting 7:30pm at the Beardall Senior Center</p> <p>Program: Aurora Overview (An all-new family of HF/6m transceivers by Flex Radio) By: Mike Walker, VA3MW</p>
November 5, Wednesday	<p>License Exams 5:30pm Meeting 7:30pm at the Beardall Senior Center</p> <p>Program: Building an Off-Grid Remote Ham Radio Site By: Bruce Perens, K6BP</p>
December 6, 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 : August 9th

(by Stephen Derosa KQ4RUB)

Our next HAMS in the Park event will be on August 9th at [Big Tree Park](#).

The Hams in the Park event is open to ALL!! From young to mature, experienced or just curious, licensed or not, with gear or without, it doesn't matter. It is an opportunity to operate portable in the field, increase your skills, and learn from others.

If you have gear, bring it. Radios, antennas, Go-Kits, Satellite gear, whatever you have. If you have a popup canopy, bring it. This will allow us to spread apart and not interfere with each other.

If you're new and don't have gear, or if you do not have much experience that is OK. We will share our equipment and our knowledge with you. It's all about learning and having Fun. Full details are here on the website: <https://lmars.org/annual-events/hams-in-the-park-bigtreepark>

We look forward to seeing you there!

HB-501 Hands Free Driving --- Proposed Law

(By John Knott, N4JTK)

At last month's OARC meeting, I was asked about the new Florida law on Hands Free Driving was going to affect ham radio operators. Admittedly, I was unaware of a new Florida law that went into effect mandating hands-free operation of a motor vehicle, as I have not paid too much attention to local news lately. However, I did a little research and found out that the Bill was indefinitely postponed and withdrawn from consideration on May 3, 2025 and then died in Government Operations Subcommittee on June 16, 2025.

I do believe that there needs to be a law put in place to help prevent distracted driving but there should be some exceptions put in place for ham radio operators. I was happy to see that they did indeed have such wording in the proposed bill that died in subcommittee.

For your information, that wording includes, but is not limited to, a cellular telephone, smartphone, tablet computer, laptop computer, two-way messaging device, electronic gaming device, or device capable of displaying videos or images.

The wording does not include a citizen's band radio, a citizen's band radio hybrid, a commercial two-way radio communications device or its functional equivalent, a

subscription-based emergency communications device a prescribed medical device, an amateur or ham radio device, or an in-vehicle security, navigation, communications, or remote diagnostics system.

I am sure that lawmakers will revisit this or similar law in the future. We just need to make sure that the correct exceptions are in place.

H.R. 1094 – Amateur Radio Emergency Preparedness Bill

(by Jacob McWilliams Sr., WD4EHW)

I am writing this post to inform the Amateur Radio Community that Bill H.R. 1094 – Amateur Radio Emergency Preparedness Act was introduced in February 2025, by Congressman Pfulger and others. H.R. 1094 is currently in committee.

Please, let me encourage you to contact your congressman/woman in regard to the importance of this bill to the Amateur Radio Community, and operators who currently live in an HOA. This bill would allow the erecting of Amateur Radio antennas at their homes in an HOA without the hindrance of HOA covenants and restrictions. Once again, make your voice be heard by contacting your Federal Government representative with regard to H.R. 1094 and/ or contact A.R.R.L. and let them know the importance of this Bill to the overall Amateur Radio Community.

(Editor note: This bill is in the first stage of the legislative process. It was introduced into Congress on February 6, 2025. It will typically be considered by committee next before it is possibly sent on to the House or Senate as a whole. Other activity may have occurred on another bill with identical or similar provisions.)

[Click on this link to read the text of the proposed Bill.](#)

US Radio Orienteering Champs Crowned

(The ARRL Letter for July 3, 2025)

The 24th USA Radio Orienteering Championships were held June 19 – 22, 2025. The event was hosted by the Backwoods Orienteering Klub (BOK) at Morrow Mountain State Park in Albemarle, North Carolina, and drew about 30 athletes from across the United States and Canada. Radio orienteering is also known as amateur radio direction-finding, or ARDF.

There were four World Championship-style races: Foxoring, Sprint, 2m Classic and 80m Classic.

The Elite results:

- Eduard Nasybulin (Massachusetts), unofficial overall crown, dominated the men's field, winning Sprint, 2m and 80m Classics, and adding silver in Foxoring.
- Gheorghe Fala (North Carolina/BOK) seized Foxoring gold and finished second to Nasybulin in 2m and 80m Classics.
- In W35 (women ages 35 and older), Lori Huberman (California Bay Area Orienteering Club) captured Foxoring and Sprint, while Erin Hammer (NC/BOK) sprinted to 2m and 80m Classics gold and added silver in the other formats.

Masters stand-outs:

- Nadia Scharlau, KO4ADV (North Carolina/BOK), extended her W55 (women ages 55 and older) legacy with victories in both 2m and 80m Classics.
- The M60 class (men ages 60 and older) became a two-way battle: Evgeny Danilov, KQ4QYZ, and Nicolai Mejevoi traded wins and podium spots across all four events, with Mejevoi topping the Sprint and 80m Classic races while Danilov took 2m Classic and Foxoring gold.

Senior competitors:

Every entrant in the M70 (men 70 and older) and W75 (women 75 and older) divisions completed at least three of the four demanding courses. Their steady performances — and obvious enjoyment — underscored the value of adding senior categories to future championships.

Youth sweep:

BOK junior Tiger Zhao claimed a perfect four-event sweep in M16 (men 16 and under) and teammates Anastasia Afonkin W16 (women 16 and under) and Adalia Schafrath-Craig W19 (women 19 and younger) also took golds — some with times that would have placed competitively in older divisions.

Team USA will go on to compete at the 2025 IARU World Championships, to be held in Lithuania in August. The complete results of these championships, available at the [BOK website](#), will be used for selecting the US team. Learn more about amateur radio direction finding on the [ARRL ARDF page](#).

Amateur Radio Volunteers Serving During Texas Floods

(The ARRL Letter for July 10, 2025)

Volunteer amateur radio operators in the ARRL® [Amateur Radio Emergency Service®](#) (ARES®) are embedded with local served agencies in the areas of central Texas affected by devastating floods.

The needs and assignments have been changing, but ARES volunteers are stepping up to the dynamic needs of their communities. "This is a very fluid situation. It changes by the hour," said ARRL South Texas Section District 7 Emergency Coordinator Terry Jones, K5LGV.

The trained ham radio operators were activated starting on Friday, July 4, 2025. Radio amateurs are providing communications capabilities to agencies whose primary systems were damaged in the flooding event or where they suffer poor connectivity due to the terrain.

ARES members helped the American Red Cross with setup of a reunification shelter in response to the floods. Ten hams were assigned to search-and-rescue teams.

Dozens of health and welfare messages were passed by ham radio operators who provided a critical link when phone lines were overwhelmed. "A lot of this is tied to circuit overload preventing folks from making direct contact with family members in the area," said Kevin McCoy, KF5FUZ.

During the flooding event and subsequent search and recovery missions, ARES members have been deployed to serve many different counties, including hard-hit Kerr and Kendall Counties. Mutual aid has been offered between several surrounding ARRL sections.

This story continues to develop, please refer to [ARRL News for more information](#) as it comes in.

The Nomination Period for ARRL Director and Vice Director Candidates is Open

(By Jim Kvokchick, K8JK)

The nomination period for ARRL Director and Vice Director candidates in the Pacific, Rocky Mountain, Southeastern, Southwestern, and West Gulf ARRL Divisions has started. This brief note will attempt to highlight why this is important to all radio amateurs.

First, a little history.
Background

Founded in 1914 by Hiram Percy Maxim and Clarence D. Tuska, the original purpose was to create a documented network of relay stations to assist in furthering communications and amateur radio information. The awesome power of this was demonstrated in 1917 when a message was passed from New York to Los Angeles and an answer received in about an hour and 20 minutes. Yes, this was completed with CW – the original “digital mode”.

Today the ARRL is the primary representative organization of amateur radio operators to the US government. It performs this function by lobbying the US Congress and the Federal Communications Commission (FCC). Additionally, the ARRL serves as secretariat of the International Amateur Radio Union (IARU) which performs similar lobbying activities before the International Telecommunications Union (ITU) and the World Administrative Radio Conferences (WARC).

Most of the operations of the ARRL is supported by a minimal paid staff, who function under the longer-term direction of 15 member elected board members, who are each backed up by an assistant board member. The directors are also responsible for appointing the executive team that runs the day-to-day operations of the league. Volunteers at several levels even within the headquarters location take on many tasks.

The divisions are divided up into sections. Each of the 71 ARRL sections are led by a volunteer Section Manager (SM), who is elected by their membership. The SM will most likely appoint several others to their team to fulfill various positions (Assistant Section Managers (ASM), Section Emergency Coordinator (SEC) and others). There is a popular misconception that SMs report to Division Directors, and although many division leads seek data from the Section Managers in their area, Section Managers are connected directly to the ARRL Field Organization, and to the ARRL Field Services Manager.

At this point, many of you are probably saying, “The ARRL does nothing useful for me.”

I wrote an article some months ago published in the North Florida ARRL Section Newsletter, that might change your mind a bit, it’s even copied in several other places. I suggest reading it.

What Are Division Directors?

There are 15 divisions within the ARRL, as mentioned previously. The illustration above gives you a good overview. Each division has an elected Director and Vice Director, who serve a 3-year term. There are no term limits to these positions – if

the term in a division runs out, and no other candidates apply – those holding the positions are automatically reinstated for another term. The ARRL website lists all of the divisions and their representatives, as an example, here is a screen capture of the Southeastern division:

As mentioned previously, the Section Managers (SM) in each division DO NOT report to or work for the Director or Vice Director. So, what is the role they play in the ARRL Universe?

Within the ARRL there is a board team represented by various officers at ARRL headquarters. Additionally, each of the 15 divisions are represented in this collection as well. The mission of the board is to set policies and guidelines that the ARRL operates under but also ensure that the ARRL organization stays in place to serve the amateur radio community. Adding division directors helps to bring the needs and desires from the ARRL membership.

In theory, a director team (the director and vice director) would use a variety of techniques to gain an understanding of the ARRL members (and even nonmembers) in their amateur radio community and share this with the ARRL board. I have worked with, and have seen, very effective directors use the ARRL field staff and visit local hamfests and even larger clubs to help gain that insight. Additionally, especially in recent years, email and teleconferencing tools aid in giving directors a good sense of the amateur radio landscape.

Why Do You Care?

Remember there are no term limits for director or vice directors. Some of these leaders step down on their own, while others continue operating with little or no new insight as to the amateur radio inflection in their geography. Sometimes change is a good thing, or as one of my friends is often proclaiming “Doing the same thing again and again expecting a different result is just crazy...”.

Your Part

It’s simple:

- Support the ARRL (if you’re not a member now fix that)
- Run for a division position in your geography or encourage someone to run
- Pay attention to those folks who are nominated
- Vote (you need to be an ARRL member to do this)

As my father was fond of saying, “you’re either part of the solution or part of the problem”.

We all get to make that choice.

FlexRadio Equips ARRL with FLEX-8000 Series Station for W1AW

(The ARRL Letter for July 17, 2025)

There is a new addition to Studio 1 at W1AW, the Hiram Percy Maxim Memorial Station at ARRL Headquarters in Newington, Connecticut: a complete station of the latest gear from [FlexRadio](#), including a FLEX-8600™ Signature Series SDR transceiver, a Maestro C Control Console, Power Genius XL (PGXL) amplifier, and Radiosport RS60CF headset. The equipment is the latest addition to W1AW, which hosts a complement of equipment in each of three operating studios under rotating agreements with major amateur radio manufacturers.

During his visit to present the station to ARRL on Wednesday, July 16, 2025, FlexRadio Chief Technology Officer Stephen Hicks, N5AC, described the station as an addition for the benefit of ARRL members and all visitors to W1AW. ARRL President Rick Roderick, K5UR, and CEO David Minster, NA2AA, were on hand to receive the equipment on behalf of ARRL.

“The FLEX-8600 provides all of the latest features that we have,” said Hicks. “And with all the Flex radios, they are continuously upgradable, so we have software releases on an ongoing basis and add features and functionality to it. ... ARRL members and W1AW visitors can come in here and try this equipment out and get used to it.”

ARRL Director of Marketing and Innovation Bob Inderbitzen, NQ1R, expressed gratitude for the collaboration with FlexRadio, saying “We’re grateful to have W1AW equipped with a full FlexRadio station, allowing members and visitors to operate and enjoy this current-generation technology when they come to experience the latest in amateur radio innovation.” Inderbitzen explained that ARRL’s partnership with FlexRadio and its ongoing arrangement with manufacturers highlights a shared commitment with the industry to advance amateur radio by offering a hands-on experience to W1AW visitors.

Hicks and his FlexRadio colleague, Tony Brock-Fisher, K1KP, also provided a highly informative presentation to ARRL staff on the forthcoming [FlexRadio Aurora](#)™ series of 500-watt SDR transceivers. Their talk highlighted the radio’s innovative use of polar modulation to address intermodulation distortion — a common challenge in linear amplification methods — while also reducing power consumption and heat generation. The technology has made it possible to reduce the weight and footprint of a high-power HF station into a lightweight radio that can easily travel as an airline carry-on.

Take Part in HamSCI's Meteor Scatter QSO Party

(The ARRL Letter for July 17, 2025)

The Ham Radio Science Citizen Investigation (HamSCI) is preparing for a series of upcoming meteor scatter (MS) experiments. Operating will take place during two well-known meteor showers: Perseids, August 11 - 12, 0000 to 2400 UTC, and Geminids, on December 12 - 13.

This is a combination "special event and contest" to generate contact data during meteor scatter events using the 6- and 10-meter bands. Ten meters has been used infrequently for meteor scatter study due to past symbol rate limits. However, with recent changes in Federal Communications Commission rules, WSJT-X/MSK144 protocols may now be used on HF bands.

Data will be collected from both bands during the scheduled times in August and December, and will be analyzed offline, using both PSK Reporter raw data and operator contact logs from WSJT-X. User data, including both logged contact and received reports, are necessary for valid experimental analysis. The latter can be provided by any receive system reporting on MSK144 through PSK Reporter.

Operators are needed now to be active (i.e., CQ-) on MSK144; or passive, if possible, reporting via PSK Reporter as "monitors." The best times are early morning hours prior to 10 meters opening to F2 propagation. Meteor scatter propagation occurs well below F2 and is supported in or near the E layer where the meteor ionization tracks occur.

Saturday mornings are being used regularly to announce and coordinate 10-meter contacts using [Ping Jockey Central](#). Announcements are also made on the Front Range Six Meter [groups.io](#) due to the substantial number of meteor scatter operators in that group.

To be successful, both active and passive operators are needed. The upcoming August meteor shower is an excellent time to set up your equipment and join with other operators preparing for the events. At a later date, the HamSCI team will be collecting operator contact information.

Contest rules can be found at www.hamsci.org/msqp and a description of the HamSCI Meteor Shower QSO Party - 2025 at hamsci.org/msqp-poster.

HamSCI serves as a means for fostering collaboration between professional researchers and amateur radio operators. For more information about HamSCI and to join the mailing list, visit www.hamsci.org.

Safety Stand-Down: Look Up and Live

*By Sierra Harrop, W5DX
ARRL Public Relations and Outreach Manager
(The ARRL Letter for July 17, 2025)*

Electricity is a killer. About 150 people die each year at work from contact with electricity, according to the Electrical Safety Foundation International. Half of those are from contact with power lines. That data is just workplace deaths, so recreational and public service volunteering aren't even accounted for.

In a recent article, ARRL New Mexico Section Manager Bill Mader, K8TE, [shared safety concerns and processes that can be implemented](#) at ARRL Field Day sites. I'd like to share a simple phrase that may enhance your situational awareness: **Look up and live.**

"Look up and live" was drilled into me and every other television news employee who worked with electronic news gathering vehicles that had a pneumatic mast or satellite dish. It was the title of [an industry-standard safety video published by the National Press Photographers Association](#).

In TV news, where I spent the first two decades of my professional career, there was always a deadline and often a tremendous sense of urgency at the scene of breaking news to get a live shot up first. Before the days of bonded cellular internet streaming, we used radio – microwave and satellite – to take viewers to the scene.

No matter the pressure from news managers, safety was paramount. When we approached a scene, we made sure to park the live truck at least 10 feet away from overhead wires to comply with regulations. My personal minimum was two truck-lengths from any lines, ideally a whole mast-length. If I had a 58-foot mast, I'd try to park at least 58 feet away from the nearest power line.

Identifying overhead lines was ritualistic: As I arrived, I got out of the vehicle, walked 20 feet away, looked up and walked around the entire perimeter of the truck while deliberately searching for overhead lines and obstructions. This additional 45-second process could feel like an eternity when news was unfolding dramatically for me to capture and report – but I couldn't go live if I was dead.

In pursuit of our amateur radio hobby, we should apply even more diligence. There's no pressure to get on for a ham radio activation. Take your time, walk around, be diligent. Look up and live.

Portable masts, vertical antennas, wire antennas slung up into a tree – anything you put up can become energized if it contacts an overhead wire. Do not take chances. Even what appears to be a phone or fiber line could be carrying lethal voltages. Do not become the path to ground.

One additional tip that I hope never applies to a radio amateur: Should a vehicle you're in become energized by a fallen line or a mast erected into power lines, do not leave it unless it is on fire. Call for help via phone or ham radio. Yell at any bystanders to not approach your vehicle. Electricity spreads out from a path to ground in concentric rings of decreasing voltage. Being in contact with different voltages is what will kill you. If a fire requires you to exit, carefully jump clear of the vehicle so as to not contact the vehicle and ground simultaneously. Be mindful of your movements: "Bunny hop" with your feet together or shuffle your feet on the ground in small increments without lifting either of them. Do not provide a path between the different potentials by walking normally or by falling and catching yourself with your hands.

Please be careful when erecting portable gear within the wires environment. Remember: Look up and live.

Field Day Operations Reach New Heights

(ARRL Club News for July 15, 2025)

Jay Belt, K8CTI, private pilot and long-time member of the East River Amateur Radio Club (ERARC), W8MOP, in Bluefield, West Virginia, had an idea for running 20 meters aeronautical mobile for the 2025 ARRL Field Day.

He used the automatic direction-finding (ADF) antenna that runs from the tail of his Cessna 172 Skyhawk (a four-seat, single-engine, high-wing aircraft) to the center of the cockpit cab as an end-fed half-wave for his Alinco DX-70. The antenna was about 2 inches too short for operating 20 meters, but he used an MFJ-945E antenna tuner to match it to the radio. He also mounted the equipment on a small wood block for stabilization when moving in and out of the co-pilot seat.

Jay was also concerned about noise from the plane's engine affecting transmit audio. Initial tests revealed that the stock Alinco microphone would allow too much engine noise to be useful, so he chose to use the Astatic 636L noise-canceling microphone instead. Jay also patched the radios into the plane's audio communication panel so the pilot and co-pilot could simultaneously hear the audio through the plane's operational headphones.

Jay tested his aeronautical mobile station prior to Field Day with Nelson Linkous, WZ8E, who made around 18 contacts while in the air. The weather started to get challenging due to isolated thunderstorms in the area, so Jay decided to head back to the airport.

On Field Day, Jay flew the plane while ERARC President David Lester, N8VFR, made contacts. The East River Amateur Radio Club also had a traditional ground-based Field Day site at the Mercer County Airport in Bluefield. Dave operated using Jay's call sign,

because a ham at ERARC's ground-based Field Day site was using Dave's. With a combined effort, Field Day 2025 was a huge success.

Amateur Radio Newsline interviewed N8VFR about Field Day and the aeronautical Mobile. Here is the audio link: www.arnewline.org/news/2025/7/3/amateur-radio-newsline-report-2488-for-friday-july-4th-2025.

— *Thanks to Nelson Linkous, WZ8E*

Amateur Radio Helps Locate Missing Mother and Son

(The ARRL Letter for July 24, 2025)

Amateur radio had a crucial role in locating a mother and her 9-year son lost in California's Stanislaus National Forest, according to information from a Sheriff's news release. On Friday, July 11, 2025, the pair was reported overdue from a day trip to Camp Wolfboro, a popular scout camp in the Sierra Nevada Mountains.

On Saturday July 12, the Calaveras County Volunteer Search and Rescue Team (SAR) was conducting its monthly training exercise along the Stanislaus River when members received notification that Tami and son Stirling had been reported missing since Friday afternoon and were not answering their cell phones.

The SAR team set up a command post at Black Springs Off-Highway Vehicle riding (OHV) Recreational Area and quickly began initiating a road-based search using four-wheel-drive vehicles and air support from the California Highway Patrol.

Joining the search was a Deputy and a Forest Service Law Enforcement Ranger who responded to 911 texts from campers in the area that a vehicle possibly matching the description of the pair's missing car had been found. The SAR team began to find handwritten notes posted near a remote Forest Service road and then another about a mile away that included a telephone number and the names of the missing individuals. Just before 6:00 PM, the car and the lost mother and son were found. But the rescue was not over.

SAR team members were unable to communicate with their command post using conventional frequencies and cell phones from their deep woods location. So they used an amateur radio frequency to report their emergency traffic. The call was immediately answered by a retired El Dorado County communications supervisor, who is also an amateur radio operator, monitoring from his home. He contacted the El Dorado 911 center, which provided the information to Calaveras County Dispatch. The SAR command post was notified, and the mother and her son were transported to waiting family members.

Young Stirling also had a hand with the rescue. He used his scout whistle to blow SOS, the internationally recognized Morse code distress signal, to give searchers a better chance of locating their position.

ARRL Board Meeting Highlights

(The ARRL Letter for July 24, 2025)

The ARRL Board of Directors met on July 18 – 19, 2025, and accomplished work on behalf of members. Some of the highlights of the meeting include:

- Establishment of a 10-Band DXCC® Award.
- Review of the status of ARRL's Washington advocacy on behalf of amateur radio.
- Creation of a new ARRL Museum and Research Library called Radio Alpha, www.arri.org/RadioAlpha.
- Action on the Report and Recommendations of the Special Committee on By-Law 46, [that was published in December 2024](#), and first considered by the Board in January.
- Establishment of 2026 as the Year of the Club, to honor and support the work of ARRL-affiliated radio clubs.
- Approval for a year-long celebration in 2026 to mark the semiquincentennial of the United States, including a commemorative ARRL US250 Worked All States award for contacts made during the year.

Read more about the actions taken by the ARRL Board of Directors in the [Member Bulletin that was emailed earlier this week](#).

Amateur Radio Frequencies will be Active with Feline and Canine QSOs!

(The ARRL Letter for July 24, 2025)

Beginning in early August, amateur radio frequencies will be active with feline and canine QSOs! International Cat Day special event station W1C, in the United States, will be on the air August 7 - 8, 0000-2359Z. All HF frequencies will be in use, CW and SSB only; call signs in Europe will be DAØCAT, Germany; YL1CAT, Latvia, and GB9CAT in the United Kingdom. International Cat Day was created in 2002 by the [International Fund for Animal Welfare](#). It is a day to raise awareness for cats and learn about ways to help and protect them. A QSL certificate can be downloaded from www.qrz.com.

International Dog Day (IDD), National Dog Day in the United States, is held on August 26 every year. Special event station K2D will be on the air, joined by operators in Europe. The US-based team of 10 operators will be operating from

August 20 – 26, 0000 to 0000Z. The tradition was created 21 years ago in 2004 (147 in dog years) by pet advocate Colleen Paige, a pet and family lifestyle expert. August was chosen because it was the month her family adopted their first dog, Sheltie, from an animal shelter. International Dog Day stations will be using [Hamlog Online](#). Four awards will be available to amateur radio operators making contacts with IDD stations.

Ham Radio Responds During Tsunami Threat

(The ARRL Letter for July 31, 2025)

Amateur radio operators, including volunteers serving in the ARRL® [Amateur Radio Emergency Service](#)® (ARES®) were active in monitoring the potential impacts of tsunami waves following an earthquake off the Russian coast on July 29, 2025. The quake registered 8.8 on the Richter scale, and prompted tsunami concerns and warnings around the Pacific rim.



ARRL Pacific Section Manager Alan Maenchen, AD6E, lives in Wailuku, Hawaii. He was monitoring ham radio communications across the state. “There was some minor flooding in a few areas. It could have been worse. Some of the early waves were measured at 4.5 feet. Waves continue this morning but at a much lower level and difficult to notice by the naked eye,” he reported.

The well-networked ham radio operators in Hawaii quickly sprang into action following the alerts. Informal VHF nets were held on amateur radio repeaters. “Rick (Ward), WH6FC, held an informational statewide HF net on 7090 kHz LSB for many hours and there were about 57 check-ins,” said Maenchen.

On the US mainland, radio amateurs were also on alert. “The Oregon coast teams appear to have been in informal monitoring mode so that they are readily available for activation if needed,” said Bonnie Altus, AB7ZQ, who serves as the Section Emergency Coordinator of the ARRL Oregon Section.

The California Rescue Net on 40 meters was activated. According to Bob Turner, W6RHK, Section Manager of the ARRL Orange Section, “The net received some preparation reports from the San Francisco Bay area and Santa Cruz along with some maritime mobile stations with routine traffic. Orange County RACES checked into the net to inquire about tsunami traffic.”

Ham radio operators are trained for situations like this. In March, operators in the ARRL Los Angeles Section [participated in a Tsunami exercise](#), simulating their response following large earthquakes with magnitudes 6 through 9 that appeared over several hours – much like this real world instance. Across the Caribbean, ARRL volunteers took part in the [Caribe Wave 2025 drill](#) the same month.

As mainstream media was covering the earthquake and potential tsunami, Nexstar Media, the largest ownership group of television stations in the United States, published an article across its stations' websites with [10 tips for evacuating during a tsunami](#). Number 6 on the list was to "Bring a portable radio or ham radio, also known as an amateur radio. Do not count on phones or the internet to work. Stay tuned until the threat is over."

The tsunami impact to North America was minimal at worst, and alerts were canceled by midday on July 30. Photographs from Russia show widespread devastation from the earthquake.

The 40-meter amateur radio band is a popular choice for regional emergency communications nets due to the ability to use near vertical incidence skywave (NVIS) propagation, in which the radio waves go nearly straight up and are reflected over a limited area by the ionosphere. Many hams involved in emergency communications use NVIS antennas in their home setups.

Introducing Radio Alpha, the ARRL Museum and Research Library (The ARRL Letter for July 31, 2025)

There's a new resource from ARRL documenting the history of ham radio. Radio Alpha is the ARRL® Museum and Research Library. It is available for viewing at www.arrl.org/museum. Radio Alpha is envisioned as a Wikipedia-like project, administered by a trusted group of volunteers.



It aims to serve as a definitive repository of information, offering detailed descriptions and contextual data on pivotal figures, influential organizations, pioneering companies, transformative inventions, and iconic equipment that have shaped the amateur radio landscape. Radio Alpha addresses the critical need for a centralized, reliable, and easily navigable archive of amateur radio's past.

Recognizing the fragmented nature of existing historical data, this database will consolidate diverse information sources into a single, cohesive platform. Users will find meticulously researched entries, cross-referenced to provide a holistic understanding of the connections and evolutions within the hobby. A core principle of Radio Alpha is universal accessibility. Therefore, the database will be entirely free to access, ensuring that researchers, historians, enthusiasts, and the public can explore its contents without barriers.

Noted author, industrial archeologist, and historian Chuck Penson, WA7ZZE, is the principal architect who crafted the collection. Penson has published several books about the history of Heathkit and the Titan II missile. For him, it's a labor of love and

necessity. "Somebody has to do this," said Penson. "Lots of people are doing it independently on their own – here's a website about the equipment I own, and here's some documents I scanned – there's a lot of that." The lack of a central location to compile those collections is the root of Radio Alpha. Penson hopes the research library will preserve the data long after individual contributors have passed away.

The platform is committed to being free of advertising, spam, and clickbait, prioritizing the integrity of its historical content and providing an uncluttered user experience. "This database will be a living resource, regularly updated and expanded through ongoing research and community contributions, fostering a deeper appreciation and understanding of amateur radio's profound impact on communication, technology, and society," wrote Penson.

Radio Alpha seeks contributors and volunteers to help develop the content. Hams who have a passion for the history of radio, experience in writing, or extensive knowledge about a particular brand or mode of amateur radio are encouraged to volunteer. The museum also seeks materials that may help grow the collection. Those interested may reach out to Penson at radioalpha@arrl.org.

Penson hopes the data will be preserved forever. "ARRL has an organizational structure that allows it to take a long view on stuff like this. It is best equipped to handle a project like Radio Alpha."

Radio Alpha, the ARRL Museum and Research Library, may be enjoyed at www.arrl.org/radioalpha or www.arrl.org/museum.

Amateur Radio in the News **(The ARRL Letter for July 3, 10, 17, 24, 31, 2025)**

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

"[Local ham radio operators to gather for showcase, practice](#)" / The Keene Sentinel (New Hampshire) June 27, 2025 -- The Cheshire County DX Amateur Radio Club.

"[Amateur Radio Field Day: 'Part hobby, part public service'](#)" / Our Quad City News (Illinois) June 30, 2025 -- The Riverbend Wireless Operators Club.

"[The spirit of radio](#)" / The Marietta Times (Ohio/West Virginia) June 30, 2025 -- *The Parkersburg Amateur Radio Klub is an ARRL Affiliated Club.*

["Ham radio operators in Waldo demonstrate emergency communication during national event"](#) / WCJB (Florida) June 30, 2025 -- *The Gainesville Amateur Radio Society is an ARRL Affiliated Club.*

["Amateur radio field day connects"](#) / WFLA (Florida) June 30 2025 -- The St. Petersburg Amateur Radio Club.

["Ham radio operator have field day in Lackawanna County"](#) / WBRE (Pennsylvania) June 29, 2025 -- The Windmill Amateur Radio Club.

["Ham radio operators take part in annual event"](#) / The Daily Sentinel (Texas) July 1, 2025 -- The Nacogdoches Amateur Radio Club.

["Ham radio connects the world"](#) / WVTF (Virginia) July 1, 2025 -- *The Albemarle Amateur Radio Club is an ARRL Affiliated Club.*

["Preparing for disaster on the radio"](#) / The Mitchell News – Journal (North Carolina) July 2, 2025 -- *The Mayland Amateur Radio Club is an ARRL Affiliated Club.*

["Collier ham radio club tries to 'solve the world's problems' "](#) / TRIB Live (Pennsylvania) July 3, 2025 -- *The Steel City Amateur Radio Club is an ARRL Affiliated Club.*

["Ham radio operators take part in annual event"](#) / The Daily Sentinel (Texas) July 1, 2025 -- The Nacogdoches Amateur Radio Club.

["West Seattle Amateur Radio Club: More than a hobby, A lifeline in disguise"](#) / Westside Seattle (Washington State) July 5, 2025 -- The West Seattle Amateur Radio Club.

["Ham radio operators hold summer field day"](#) / Sanibel Captiva (Florida) July 7, 2025 -- *The Fort Myers Amateur Radio Club is an ARRL Affiliated Club.*

["Southern Utah ham radio operators renew friendships, race to make contacts"](#) / St. George News (Utah) July 5, 2025 -- *The Dixie Amateur Radio Club is an ARRL Affiliated Club.*

["At this Ohio ham radio competition, every connection makes a difference"](#) / WKYC TV (Ohio) July 12, 2025 -- The Black River Ops Radio Club.

["Local radio club celebrates 80th anniversary"](#) / WJET/WXP (Pennsylvania) July 12, 2025 -- *The Radio Association of Erie is an ARRL Affiliated Club.*

["Ham it up: Queen Anne's Amateur Radio Club has a 'Field Day'"](#) / The Bay Times/ Record Observer (Maryland) July 15, 2025 -- *The Queen Anne's Amateur Radio Club is an ARRL Affiliated Club.*

["Radio Club Connects To The World – Without The Internet"](#) / Jersey Shore On Line (New Jersey) July 14, 2025 -- The Ocean-Monmouth Amateur Radio Club.

["Valencia County Amateur Radio Association: Alternate emergency operations communication center"](#) / Valencia County News Bulletin (New Mexico) July 17, 2025 -- The Valencia County Amateur Radio Association.

["Debra Mulé visits Baldwin Park for National Amateur Radio Field Day"](#) / LI HEARLD.com (New York) July 19, 2025 -- The Nassau County Amateur Radio Club.

["NET expands Amateur Radio Bank for emergency communications support"](#) / NIMB15 (Puerto Rico) July 22, 2025 -- The Puerto Rico Telecommunications Bureau.

["Tune into the world of ham radio at Hamfest"](#) / The Mountaineer (North Carolina) July 23, 2025 -- The Western Carolina Amateur Radio Society is an ARRL Affiliated Club.

["Brandon Amateur Radio Society Connects Globally During Event"](#) / Osprey Observer (Florida) July 25, 2025 -- The Brandon Amateur Radio Society.

Swap/Shop/Sell/Trade in *The Listening Post*

Kevin Jackson, AA3XV, aa3xv@aol.com
Orlando, FL
Cell Phone: (301) 461-3950

Item #1 FT-817 all mode, HF/VHF/UHF transceiver in original box in original box with all accessories, original manual and soft case. **\$500**

Item #2 FT-817 all mode, HF/VHF/UHF transceiver in original box in original box with all accessories, original manual and soft case. **\$500.00**

(Note: These two FT-817's are in great condition as they have had very light use for amateur satellite operations in a fixed station.)

Item #3 13.8V, 45Amp radio power supply (MFJ 4245) **\$50.00**

Item #4 Lab Bench Variable Power Supply 0 to 30VDC, 3Amps with adjustable current limit. **\$50.00**

Jerry Coe, KF4OCR
Orlando, FL
Phone: (407) 620-2433

Due to health issues and loss of interest I've decided to sell my tower and antennas as a **package**. I'm asking for **\$700.00 for the package** which consists of:

- 40' EZ Way galvanized steel tower (this is a telescoping, tilt over tower which does not require concrete to install. It allows for one person to do all antenna work from the ground.) The tower is partially dis-assembled. All hardware is there and I'm willing to offer technical assistance.
- Cushcraft A3S (3 element 10,15, 20 meter beam)
- 10 meter aluminum vertical antenna
- Hy-Gain Ham IV rotator and controller
- 10' mast pole
- Yaesu thrust bearing
- 4-100' lengths of RG-213
- 50' length of RG-8
- Paperwork for rotator and antennas

It is a new year and there is a new procedure for listing "Swap/Shop/Sell/Trade" items in The Listening Post.

Send your items to be posted to James Deuel, N0XIA (jdeuel@oarc.org) before the 20th of the month. All lists received after the 20th of the month may be held over until the following month. The items will appear in The Listening Post newsletter around the first of each month and will continue to be posted for three months. To make it easy, send listings in this format:

Name, Callsign, Contact information (phone number and/or e-mail address)

Item #1: (Description)

Asking price: \$

additional comments

Item #2: (Description)

Asking price: \$

additional comments

Or

Looking for (description) and willing to pay up to \$

EXAMPLE:

Ima Ham, WX4XYZ, Ham@gmail.com

Item#1: Looking for hand microphone for Kenwood TS-520 transceiver

Willing to pay up to \$25, including shipping

Remember - KB4UT, Wayne Nelson's Trader Net held every Tuesday night at 8:00 PM, on the KB4UT 146.760 repeater.

If you don't hear what you want on the net, check The Listening Post.

The Fine Print: Listings must be of a non-commercial nature. Pictures of the items should not be included in the email listing but the member offering the items might have them available for anyone who may be interested. OARC will not be responsible for any claims that are made in the postings and reserves the right to reject a submitted item if the item is deemed to be inappropriate.

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

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	20	Horizontal Loop	EL98HN
902.400 MHz	4	Egg Beater	EL98HN
1296.025 MHz	25	Egg Beater	EL98HN
2304.050 MHz	12	Egg Beater	EM80MI (A)
3400.1xx MHz	6	Alford Slot	EL98HN (A)
5760.120 MHz	8	Wave Guide Slot	EL98HN
10368.015 MHz	3	Wave Guide Slot	EL98HN
24192.035 MHz	0.150	Wave Guide Slot	EL98HN

(A) Off the Air / Under Construction
 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

Badges _____ **S&H** _____ **Total** _____



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