Orlando Amateur Radio Club

The Listening Post

Dedicated to Community Service and All Central Florida Hams July 2021

President's Message

Greetings everyone! We are one week away from Field Day. Thank you to all those that have signed up to

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OARC MEETING

July 7th, 7:00pm
Central Florida Fairgrounds
YouTube Live and Zoom
4603 W. Colonial Dr,
Orlando, FL 32808
ARRL Testing: 5:30pm
For information & Updates
See www.oarc.org

OARC Board of Directors

President: John Knott, N4JTK
Vice President: Michael Cauley, W4MCA
Treasurer: Ana Groe, KM4JVE
Secretary: Bob Nocero, W4KBW
Directors:
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Frank Gergits, KC9GNQ
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Dean Groe, KD4TWJ
Frank Tagliani, KD4EZW
James Deuel, N0XIA

The Listening Post is the OARC newsletter for OARC members. The LP will be distributed electronically via E-mail and the OARC web site (www.oarc.org).

Editor: Ed Thralls NE4H.

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

Contributing to this edition: John Knott N4JTK, Michael Cauley W4MCA

OARC REPEATERS

Call	Freq	Shift	PL
KB4UT	146.760*	-600	103.5
N4UMB	147.015	-600	103.5

* Fusion Repeater

D-Star

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

All D-star repeaters are connected

From the President's Desk (*Continued* from Previous Page)

help. I also want to remind our new members that this is a great way to come out and meet the club members and learn a lot about amateur radio!! If you are a newly licensed Technician, you can come out and learn about antenna's, coax, radios, and even operate. Yes, operate! First, we will teach you how to log contacts by having you sit with an operator and listen to the contacts they make. You will then learn how to log those contacts into the software we use for logging. Afterwards we will then have you operate the radio while someone sits with you. It is a lot of fun and once you make a couple of contacts, you will be hooked.

Field day is not really a contest but a way for amateur radio operators to set up in the "field" and operate remotely from their main location. It's kind of like a simulated emergency drill. Field day last 24 hours, from 2 pm on Saturday until 2 pm on Sunday. However, we will start breaking down early to beat any rain/storms that could end up threating the operation on Sunday. We do not want to be taking antennas down in a storm.

Coming up the week of July 1 – 7 2021, a particularly fun event on the radio will be happening again this year. It is the Annual 13 Colonies Special Event. Held each year the week of 4th of July on HF, except for 60 meters. All modes of operation should be represented. For completed details, check out their website.

You likely heard or read by now that the Orlando Amateur Radio Club had to make a venue change for our 1st Wednesday of the month test session and monthly meeting. We found out just a few days ago (at the time of this being written) that the City of Orlando made a permanent change to the operating hours at Beardall Senior Center. Beardall now closes at 8pm on Wednesday, when they used to be open till 10pm. Since our meetings do not begin till 7:30pm, this really does not work for us.
We were able to negotiate with the Central Florida Fairgrounds to allow us to have the test session and our monthly meetings at the Craft Building (aka North Hall). Our test session start time will remain the same, starts at 5:30p. Our meetings will revert to the old start time (pre-pandemic) to 7:30pm. We will also continue to offer ZOOM and You Tube as a way that you can still attend the meetings.

Moving to the Fairgrounds opens a lot of opportunities for the club in growth. Beardall room size limited us to around 90-100 people. Prior to the pandemic our largest meeting attendance (in recent years) was 87 people. We were closely reaching the limits of the building. The Craft building can seat at least double the amount that Beardall can. Not to mention our test sessions can now be much larger!!

So even though it is sad to see OARC having to relocate after 30+ years at Beardall, change can bring this organization lots of new and exciting opportunities. As I mentioned in the email that I sent out announcing the change, we will make sure that

everyone is clear on where to park, gain access to the building, and easy directions to the fairgrounds.

The funny thing about all this, just prior to finding out about the change in hours we were informed that because Orange County transitioned into phase 3 of the COVID-19 recovery, we were no longer required to social distance. We were even bringing back the refreshments to the July meeting. No worries, this all applies to the fairgrounds too. Be sure to come and have your coffee and donuts!!

Many thanks to the OARC Board in assisting me in working through these issues of recent.

73

John Knott, N4JTK

Important Meeting Information

The venue for the OARC Test Sessions and OARC Monthly Meetings has changed.

Effective July 7, 2021, we will now be meeting at the Central Florida Fairgrounds in the Craft Building. Test sessions begin at 5:30pm and the meetings will begin at 7:30pm.

The Central Florida Fairgrounds is located at 4603 West Colonial Dr, Orlando FL 32808.

HamCation® Chairman News

(by Michael Cauley, W4MCA)

Greetings Everyone

Let me first thank and welcome the following people to the HamCation® Committee.

Keith Kotch, KF4BXT - Forums Assistant Chairperson
Jacob Bates, K4LAG – Information Technology Assistant Chairperson
Harry Banks, KJ4VQO – Prize and Info Assistant Chairperson
Robert Jones, W4RDJ – Swaps Assistant Chairperson
Bob Pollack, KM4IMF – Swaps Assistant Chairperson

I am still looking to fill the following positions on the HamCation® Committee. All these positions are year-round positions. All positions need to help recruit volunteers.

As a **Chairperson**, you will oversee that committee.

I have the following Chairperson positions open:

Publications:

- Will need to create HamCation® onsite fliers and Program and any other publication needs.

Special Event Station:

- Outgoing, easily interacts with strangers in a positive manner.
- Can "talk up" ham radio.
- Has solid working knowledge of late model HF base stations, their functions, and how to operate them to make contacts.
- In charge of setting up the Special Event Station at HamCation®.

Talk-in:

- Area knowledge of central Florida.
- Keep up with road closers during the event.
- Communicate information over our talk-in frequency.
- In charge of setting up the Talk-in Station at HamCation®.

As an **Assistant Chairperson**, you are second in charge of that committee. You will assist the Chairperson with their duties. You must be able to assume the role of the Chairperson in the event of Chairpersons absence. You will be next in line to become the Chairperson.

I have the following Assistant Chairperson positions open:

Awards:
- Help come up with new awards.
- Help process nominations when they come in.
- Be on the selection committee to pick the award winners.

Onsite Tickets:
- Help with ticket sales during the event.
- Make sure all booths are manned and train volunteers on how to use Credit card machines.
-

Transportation:
- Help with Golf Cart transportation during the event.
- Help with scheduling of volunteers so all carts are manned.

So, if you are ready to step up and help make HamCation® an even better event here is your chance. Please email me at chairman@hamcation.com if you are interested in any of the positions or if you have any questions about the positions.

Do not forget we need lots of volunteers for HamCation® more than ever for 2022. Please visit https://www.hamcation.com/hamcation-volunteer and signup. As a HamCation® volunteer you get FREE admission to the event when you volunteer at least 4 hours. Also do not forget that you can donate your hours to a nonprofit of your choice, and they will get a donation check based on how many hours are donated to their organization.

Did you know you can sign up for the latest updates about HamCation®? Visit www.hamcation.com and scroll to the bottom. Just enter your email address and click subscribe.

73
Michael Cauley, W4MCA
2022 HamCation® General Chair

City of Orlando CERT Ham Radio Unit Emergency Coordinator

Jerry Porter (KF4ZRN) Retires

At the meeting of the Orlando Community Emergency Response Team (CERT) Ham Radio Unit, Jerry Porter (KF4ZRN) announced his retirement as Emergency Coordinator. Jerry has been responsible for the development of the CERT Ham Radio Unit. He has been able to secure finances to purchase equipment for the unit to be able to continue to operate.

Jerry Porter (KF4ZRN) announced his retirement as Emergency Coordinator

Jerry has also operated at the Orlando Emergency Center during hurricanes. Manny Soto has commended Jerry for his efforts. Even though Jerry is retired from leadership he will continue to be part of the program.

Jerry began his involvement in emergency response team by taking one of the early CERT classes. It was through the class he was able to pass the exam to become a ham radio operator. He recruited more people to become licensed, Jerry also took the step to become involved in Orange County Amateur Radio Emergency Service® (ARES). Jerry's involvement provided the opportunity for Orange County and Orlando ham radio operators to work together.

Since Jerry is still going to be involved in Orange County ARES and Orlando CERT we wish him the best in his semi-retirement. Jerry is one of those special people who has made life in Orlando a little safer.

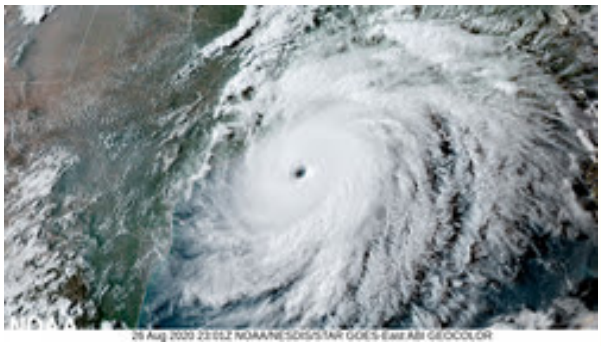
At the June meeting, congratulations to Mike Bivins (KG4BDL), who was elected as the new Emergency Coordinator for the Orlando CERT Ham Unit. We wish Mike the best as he takes over the leadership from Jerry.

Amateur Radio Gearing Up for Another Active Atlantic Hurricane Season

(The ARRL Letter for May 27, 2021)

The Atlantic Hurricane Season, which starts on June 1, promises to be a busy time for amateur radio volunteers on the Hurricane Watch Net (HWN) to report ground-level storm conditions in real time for use by National Hurricane Center (NHC) forecasters, and for SKYWARN volunteers, many of whom are hams. The National Oceanographic and Atmospheric Administration (NOAA) has forecast a likely range of 13 to 20 named storms (winds of 39 MPH or greater), of which six to ten could become hurricanes (winds of 74 MPH or greater), including three to five major hurricanes (Category 3, 4,

or 5, with winds of 111 MPH or greater) expected. NOAA projects these ranges with a 70% confidence level.



"2021 is looking to be another active season," said HWN Manager Bobby Graves, KB5HAV. "We can only hope we don't have a repeat of 2005 or 2020. The sea surface temperatures throughout the normal areas of tropical cyclone activity are already near or just above 80 °F, just what storms like. The current forecast for 2021 is on the high side. The adjusted average is 14 named storms, with seven hurricanes and three of those at Category 3 or stronger."

When active, the HWN operates on 14.325 MHz during daylight hours and on 7.268 MHz after dark.

The net's primary mission is to disseminate tropical cyclone advisory information to island communities in the Caribbean, Central America, along the US Atlantic seaboard, and throughout Gulf of Mexico coastal areas. It collects observed or measured weather data from participating radio amateurs in storm-affected areas as well as any post-storm damage reports and passes that information along to forecasters at the NHC via its amateur radio station, WX4NHC. The HWN typically activates whenever a storm system has achieved hurricane status and is within 300 statute miles of a populated landmass.

"Of course, it takes only one land-falling hurricane to make for a bad year," Graves said, recalling Hurricane Andrew in 1992. "It was the only storm to make landfall that season, and it was a Category 5 storm that hit Homestead, Florida, just south of Miami."

Assistant Coordinator of the NHC's amateur radio station WX4NHC Julio Ripoll, WD4R, has announced that WX4NHC will conduct its annual station test on Saturday, May 29, 1300 - 2100 UTC. "This will be our 41st year of public service at NHC," he said.

VoIP Hurricane Net Director of Operations Rob Macedo, KD1CY, said his organization is ready for another busy hurricane season and will participate in the WX4NHC Communications test on Saturday, May 29. The VoIP Hurricane Prep Net meets Saturdays starting on June 5, at 0000 UTC. Contact Macedo for more information.

Radio Amateur's Vintage Film Footage Sheds Light on *Hindenburg* Disaster

(The ARRL Letter for May 27, 2021)

Vintage film footage provided by New Jersey radio amateur Bob Schenck, N2OO, was the highlight of a PBS documentary about the *Hindenburg* disaster. The film, shot by his uncle, Harold Schenck, may provide clues as to what initiated the disastrous 1937 fire that destroyed the airship *Hindenburg* and claimed 35 lives as the German zeppelin was landing at Lakehurst, New Jersey. Harold Schenck tried to interest government investigators in his film, shot from a different angle than newsreel footage that begins only after the fire was well under way, but it was largely overlooked. "Nobody ever asked for it," Bob Schenck explains in the documentary.

The Schenck film is the highlight of a PBS NOVA documentary, *Hindenburg: The New Evidence*, that investigates the issue in considerable depth in an effort to unlock the secrets of the cold case. The program aired on May 19 and remains available for streaming.

"My dad had bought this nifty Kodak camera -- a wind-up movie camera, 8 millimeters -- and he couldn't come [to the *Hindenburg* landing] because he worked," Bob Schenck recounted during the documentary. "So, he asked my uncle and my mom if they would take some shots and see the *Hindenburg* land."

Bob Schenck approached Dan Grossman, an expert on airships, including *Hindenburg*, in 2012 during a commemoration of the disaster that forever memorialized radio reporter Herbert Morrison's plaintive on-air reaction, "Oh, the humanity!" The NOVA documentary not only shares Schenck's footage, which provided new clues to re-examine the cause of the explosion, it also reviews scientific experiments that helped investigators come to a fresh understanding of what set off the fire.

The original investigation only concluded that the fire resulted from leaking hydrogen ignited by a spark, but it was never determined what caused the spark. Witness accounts suggested the fire started near the airship's tail, but supporting evidence was hard to find until the Schenck footage was examined.

"The *Hindenburg* remains vivid in our collective memories all these years later because of the searing images and film of the explosion," said NOVA co-executive producer Chris Schmidt in a *Manchester Patch* article. "We feel honored to share this new footage with the world and to bring the NOVA audience behind the scenes of this pivotal new investigation into the crash." -- *Some information from* Manchester Patch; *thanks to Pete Varounis, NL7XM*

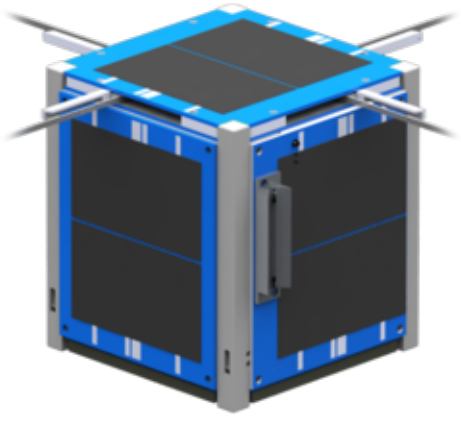
Interactive LightCube Satellite Set to Launch in Late 2022

(The ARRL Letter for June 3, 2021)

NASA has selected LightCube, along with 13 other small research satellites, to fly as auxiliary payloads aboard rockets launching between 2022 and 2025. The launch opportunity is provided through NASA's CubeSat Launch Initiative. Being designed, built, and tested by an interdisciplinary team of students, advisors, and engineers across multiple organizations, LightCube is a microsatellite educational mission that aims to produce a light visible to the naked eye of observers on Earth. The spacecraft's two xenon flashtubes will be triggered via amateur radio.

When the light beacon is activated, the 1U CubeSat will be visible momentarily -- each flash will take 8 microseconds -- from the ground, with a brightness similar to the International Space Station (ISS). Following ISS deployment, LightCube will orbit Earth for approximately 2 years before safely deorbiting.

The LightCube mission is a collaborative project between Arizona State University's (ASU) Interplanetary Initiative, the ASU Ira A. Fulton Schools of Engineering, Vega Space Systems, and CETYS (Centro de Enseñanza Técnica y Superior) Universidad. ASU designed and built the satellite.



A radio amateur with a handheld transceiver will wait until the satellite is roughly overhead, as determined by a smartphone or computer app. The user will transmit a predefined number code, and if LightCube is charged, it will flash. The satellite then requires 30 seconds to recharge the capacitor that fires the xenon light tubes. At this point, no frequencies have been coordinated for LightCube.

The idea itself is not novel. As the LightCube sponsors note, FITSat in 2013 used high-power LEDs to transmit Morse code. EQUisat in 2016 could produce a beacon visible to the naked eye.

Radio Amateurs of Canada Invites Participation in the RAC Canada Day Contest

(The ARRL Letter for June 3, 2021)

Help Canada celebrate its birthday on the air during the RAC Canada Day Contest on Thursday, July 1 -- just a few days ahead of Independence Day in the US. Canada Day is the anniversary of Canada's confederation, when the three colonies of Canada, Nova Scotia, and New Brunswick united into the Dominion of Canada on July 1, 1867. The RAC Contest Committee is asking all participants in the 2021 Canada Day Contest to follow guidelines provided by the government and by health officials in their respective areas for any multioperator categories.

The Canada Day Contest begins on July 1, 0000 UTC (the evening of Wednesday, June 30, in North American time zones) and continues through 2359 UTC. Bands include 160, 80, 40, 20, 15, 10, 6, and 2 meters, CW and phone (SSB, FM, AM, etc.).

Stations in Canada send signal report plus province or territory. VE0s and stations outside Canada send a signal report and a serial number.

Stations may be worked once on each mode on each of the available bands. Canada's 10 provinces and three territories serve as multipliers for the event.

The Atlantic Hurricane Season

(The ARRL Contest Update June 9, 2021)

The Atlantic hurricane season started on June 1, and it's predicted to be an active one. The Hurricane Watch Net operates on "14.325 MHz during daylight hours and on 7.268 MHz after dark." In the event of a storm, please respect frequencies being used for emergency and/or relief operations.

Managing Interstation Interference

(The ARRL Contest Update June 9, 2021)

A message from Vibroplex: "The fine book, *Managing Interstation Interference*, by former INRAD owner George Cutsogeorge, W2VJN, is now available as a free .pdf download courtesy of the author as a service to amateur radio in lieu of publishing a subsequent printed edition. Thank you! We are pleased to host this." Ward, N0AX, notes: "This is an excellent book that was published by W2VJN and which is now available as a free download PDF. It is cited frequently in ARRL publications."

Revitalization of Field Services with New Organization

(The ARRL Letter for June 11, 2021)

The Field Services that ARRL HQ provides to its member-volunteers is now in the spotlight with a reorganization and a fresh start to Section Manager and Affiliated Club engagement!

The backbone of ARRL, and the Amateur Radio Service, is the expansive field organization of volunteers. This is especially true of our Board members, our "first among peers," who provide leadership to this vast network of engaged volunteers. During a marathon series of Zoom calls on Wednesday, June 9 with ARRL Section Managers and most ARRL Board members in attendance, the restructuring of the Field Services organization at HQ was announced.

Bob Naumann, W5OV, who has a lifetime of experience as a radio amateur from contesting, to public service, to working with a number of well-known industry retailers, is now serving as the Director of Operations following the retirement of Norm Fusaro, W3IZ.

Mike Walters, W8ZY, who has been involved with field volunteers for many years and is currently the Section Emergency Coordinator (SEC) for Connecticut, is now serving as the Field Services Manager.

Bart Jahnke, W9JJ, who was managing Field Services, remains responsible for Radiosport and is also taking on the role of Regulatory & Advocacy following the retirement of Dan Henderson, N1ND.

The meetings went on to discuss the focus the ARRL Board has placed on Field Services, working to create a new standing committee to oversee its revitalization and growth. Also discussed were the initiatives being undertaken with Section Managers to foster collaboration, share content, undertake projects, and set expectations.

The first project will be a focused census that a dozen Section Managers across the country will be driving with local clubs to understand the disparity between the ever-growing number of licensed hams versus the unchanging number of active hams.

We are very excited to turn the page and begin this new chapter for Field Services, and to continue forward with our digital transformation of ARRL.

WSJT-X Version 2.4.0 Now Generally Available, Version 2.5.0 on the Horizon

(The ARRL Letter for June 11, 2021)

WSJT-X version 2.4.0 is now available in general release. According to co-developer Joe Taylor, K1JT, *WSJT-X* version 2.4.0 includes the new digital mode Q65. This protocol is designed for two-way contacts over especially difficult propagation paths, including ionospheric scatter, troposcatter, rain scatter, TEP, EME, and other types of fast-fading signals.

"On paths with Doppler spread more than a few Hertz, the weak-signal performance of Q65 is the best among all *WSJT-X* modes," the *Quick Start Guide* asserts.

WSJT-X version 2.5.0-rc1 (beta) has been released. According to the *Release Notes*, in version 2.5.0, "the Q65 decoder has been enhanced to measure and compensate for linear frequency drift in Q65 signals."

Q65 uses 65-tone frequency-shift keying and builds on the demonstrated weak-signal strengths of QRA64, a mode introduced to *WSJT-X* in 2016. Q65 offers user message and sequencing identical to that in FST4, FT4, FT8, and MSK144. It includes a unique tone for time and frequency synchronization. As with JT65, this "sync tone" is readily visible on the waterfall spectral display. In addition, Q65 provides a sensitive "sync curve" near the bottom of the waterfall window.

Testing showed that Q65 will enable stations with a modest Yagi and 100 W or more and to work one another on 6 meters at distances up to around 2,000 kilometers on most days of the year, in dead band conditions.

For the complete announcement, see the *WSJT-X website*. Read an expanded version.

Separate SATERN Nets Now Operational

(The ARRL Letter for June 11, 2021)

On June 2, The Salvation Army Team Emergency Radio Network (SATERN) launched a new SATERN International SSB Net on 14.325 MHz. Net sessions will take place Mondays, Wednesdays, and Fridays at 11 AM Central Daylight Time, in cooperation with the Hurricane Watch Net (HWN), which has used 14.325 MHz for many years during its own activations. Just down the band, another net sporting the same SATERN acronym -- the Strategic Auxiliary Team Emergency Readiness Net -- has established itself on SATERN's former frequency of 14.265 MHz. The latter net was organized by Lee Glassman, WA5LEE, a former manager of the original SATERN. The Salvation Army made the distinction clear in its announcement launching the new SSB net on 20 meters.

"The new SATERN organization (Strategic Auxiliary Team Emergency Readiness Net) is not associated with The Salvation Army," SATERN National Committee Chair Michele Heaver told ARRL. "At this time, SATERN (Salvation Army Team Emergency Radio Network) is no longer associated with Lee Glassman and does not support his new efforts with the Strategic Auxiliary Team Emergency Readiness Net. This is a breakaway organization."

The SATERN split will entail a new "updated and revised SATERN website" in the near future, The Salvation Army (TSA) said in its announcement. The new SATERN under Glassman has established its own web presence.

On his QRZ.com profile, Glassman, an Assistant Emergency Coordinator for South Texas District 14 Amateur Radio Emergency Service (ARES), cited "a conflict of ideals." Among other things, he said he was put off by a building list of requirements imposed by TSA that included credentialing and background checks.

Glassman told ARRL that the net retained the SATERN acronym because it was familiar to net users, "plus the fact that TSA pretty much decided to dissolve the daily 20-meter net with no plans to replace it, and we did not wish the regulars to be kept hanging. We changed what the acronym stands for. We also have a pending trademark on the name and logo."

"We do not disparage TSA, nor do we permit others to do so," Glassman said. "We wholly encourage everyone to support TSA, ARES, ARC, and any other group that they wish."

Glassman lists himself as co-manager of the Strategic Auxiliary Team Emergency Readiness Net, along with Ned Griffin, KL7QK. The net's stated purpose is to provide backup communication support during disasters.

The "original" SATERN -- the Salvation Army Team Emergency Radio Network -- is a fully integrated Salvation Army program within The Salvation Army Emergency Disaster Services (EDS).

Family Comes First During Hurricane Preparation for Home and Station

(The ARRL Letter for June 17, 2021)

The Atlantic hurricane season began on June 1 and continues through November 30, and two named storms have already shown up, although neither threatened the US. There's still time to make sure you, your family, and your ham station are prepared. Remember, your family's safety comes first.

Your first stop should be a visit to the National Weather Service (NWS) page for personal and family hurricane season preparedness. Next, prepare your amateur radio station and equipment for possible service and/or deployment. For example, be sure to have multiple sources of backup power, such as batteries and generators, and test them to make sure they'll do the job, if needed. Never test or run a generator indoors or in an enclosed area where anyone may be nearby.

Make sure you can take down and reinstall antennas quickly and efficiently when there's a threat of severe storms. VHF antennas mounted on masts and typical HF dipoles can be taken down and put up in minutes.

Also, test all radios and peripherals, especially those you may not use on a routine basis, but might want during a severe weather emergency. This might include handheld transceivers (especially for VHF and UHF) and any HF gear that can easily run from emergency power sources.

Know the name, call sign, and email address of both your ARRL Section Manager (SM) and Section Emergency Coordinator (SEC). Keep a list of emergency and public safety nets handy. Some hams

In Florida, Rick Palm, K1CE, has repurposed a heavy steel shipping container for a hardened ham radio facility that's ready for the hurricane season. [Sandy Tan, photo]

establish a "hardened" facility that's essentially stormproof, with ham gear installed inside.

In addition, look for local/regional nets before a serious storm strikes, to learn or practice net procedure and get acquainted with all the players you might work with in a disaster: net and emergency managers, American Red Cross, Community Emergency Response Teams (CERT), Amateur Radio Emergency Service® (ARES), and Radio Amateur Civil Emergency Services (RACES) communicators. Obtain and learn how to use Winlink HF mail.

"The advantages are clear, and that's why the Red Cross and others embrace Winlink," Rick Palm, K1CE, says in his July 2021 *QST* "Public Service" column. "There is a learning curve to gaining Winlink proficiency, however. It's not a system for spontaneous volunteers." On-air training is available.

The National Weather Service offers information on personal and family hurricane season preparedness.

Vision-Impaired ARRL Member Takes Advantage of New Technology

(The ARRL Letter for June 17, 2021)

ARRL member Ben Murray, KD8JBS, of Bryan, Ohio -- the vision-impaired subject of a recent TV news piece -- says new technology he's now using has permitted him to enjoy ham radio more fully. The eSight device resembles virtual reality goggles. Murray has nothing but enthusiastic praise for the technology.

"It has helped immensely with reading my radio displays and logs and being able to socialize in public with hamfests and other social events," he told ARRL. "And I'm able to see my computer screen too."

Murray works as a board operator for WBNO/Q.96.5. In his spare time, he's an ARRL VEC Volunteer Examiner (VE).

"Ben is one of our most dedicated VEs," says Assistant ARRL VEC Manager Amanda O'Brien, N1NHL.

As Murray explains, "The technology uses a camera to process an image in real time. The image is then re-processed through some algorithms in the glasses and then presented back to the user on two OLED screens in front of my eyes, and I can zoom up to 24x and adjust contrast."

Murray, 32, who was born legally blind with optic nerve atrophy, wears a pair of conventional eyeglasses behind his eSight device. For the first 26 years of his life, Murray says, he "was passed from doctor to doctor, ophthalmologist to ophthalmologist." In 2015, he learned about eSight's "smart" eyeglasses that fit over the user's head.

At first he was skeptical, but once he experienced it for himself, he was sold. A community fundraiser helped Ben raise the $15,000 needed for his first pair of eSight glasses; he now wears the latest update. The adaptive technology is not widely covered by health insurance, and he's on a campaign to change that.

The smart glasses have provided him with essentially 20/20 vision.

As for ham radio, Murray's favorite activities incorporate a public service bent. "I enjoy hamfests and VE testing sessions. I'm the VE liaison for Williams County, Ohio, and I'm the Emergency Coordinator," he told ARRL. "I also enjoy public service activities such as festivals and parades where they include amateur radio [for] communications."

Murray has been a ham since 2008. He upgraded to Amateur Extra class in 2012. -- *With thanks to WNWO NBC24News, Toledo, Ohio*

WORD TO THE WISE

(The ARRL Contest Update for June 9, 2021)

Receiver Blocking Level

From the free-for-download book, "Managing Interstation Interference" by George, W2VJN: "When high level signals are applied to a receiver input, there is a level, somewhat lower than the damage point, at which reception is blocked or disabled. This level is a function of the receiver design and varies depending upon the manufacturer and model...Reception is impossible, but no damage results."

OPERATING TIP

(The ARRL Contest Update for June 9, 2021)

Always Log What Is Sent -- Except...

In a contest, you should always log what the other station sends as the exchange into your logging program. But what if it's wrong? Some options: If you've not completed the contact, and what you have copied doesn't make sense, you can ask for a repeat. If the station gives you the same (incorrect) exchange, you could ask the station yet again for a repeat, being explicit about the information you need for the contest. Zone, state, serial number, power, favorite shrubbery -- whatever you need. In the case of a zone, you'll need to explicitly ask for an "IARU Zone" or a "CQ Zone." The other station could be in a different contest, but will still give you the information that you need.

Ultimately, you need to decide whether to log what was sent, or log what you "know" to be correct. If someone spelled their state incorrectly, it's probably okay to log the corrected information. For some types of exchanges, your logging program may reject a spelling that is not correct. For other less-obvious cases, it's still better to log what was sent.

After the contest, after you've turned in your log, you might send a friendly email to the station and/or contest sponsor noting the situation.

CONVERSATION

(The ARRL Contest Update for June 9, 2021)

Know Before you Go, IRL and Remote

After a year of uncertainty and travel restrictions, parts of the world are slowly, cautiously, embracing travel again. Make no mistake, there are some locations that are by no means finished with COVID, nor will they be for a long time. The unprepared traveler may find borders are closed to them, such as is the case for most travel to Canada from the US right now. Intra-country travel may also be restricted, as is the case inside of Canada, and even to some communities inside the US.

If you are planning on traveling outside of the US and want to operate when you get there, ARRL provides some international operating resources that can help. When you're in another country, you must follow and operate within the rules of that country. The international operating resources page, current as of Spring 2021, covers such topics as:

- Operating in international waters

- US licensed hams wishing to operate in other countries
- Non-US licensed amateurs wanting to operate in the US while in the US
- Countries with reciprocal license privileges with the US
- CEPT and IARP agreements

One of the most important things to know is that "reciprocity does not necessarily mean the US amateur can simply go and operate," and that difference countries may have differing requirements for operation.

For US-licensed amateurs thinking about using a remote station in another country, the "Remote Station Operation in ARRL Contest" web page provides guidance. In general, however: "Neither CEPT or IARP authorize remote station operating authority from any participating country" but that "bilateral or multilateral agreements might do so - be sure to review the regulations for any country of interest."

Foreign nationals that are *not* US licensees that want to use a remote station located in the US: "For foreign nationals not holding a US FCC-issued license, remote control of a US station is not authorized under any treaty or reciprocal authorization, regardless of their location." So basically, not allowed. The best option may be for that person to obtain a US FCC license, which they can do by taking a VEC-administered exam if it's offered in their country.

73, Brian N9ADG

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

This is the opportunity for you to list your amateur radio related items you either have for sale, swap or trade. Listings must be of a non-commercial nature. Pictures of the items can be included.

The following listed is equipment from the estate of Allen Burnett, W4WFY, who became a silent key on December 26, 2020. Allen was a lifetime member of the OARC. Contact Pinkie Freeman at 407-298-1273, his caretaker. Make an offer.

Yaesu FT-1000 with MD100 microphone. The MSRP for the Yaesu FT1000 was $3,200 and no longer in production. The microphone has several versions in its history and was $125.
https://www.eham.net/reviews/view-product?id=601

Icom IC-271H. MSRP was $700 during production and no longer made. It is a vhf multi-mode radio.
https://www.eham.net/reviews/view-product?id=913

MFJ 989C, 3000 Watt Antenna Tuner
Both antenna tuners went for about $360 each at the time of the reviews. D is current production.
https://www.eham.net/reviews/view-product?id=359
https://www.eham.net/reviews/view-product?id=5099

MFJ 989D Legal Limit Antenna Tuner
Both antenna tuners went for about $360 each at the time of the reviews. D is current production.
https://www.eham.net/reviews/view-product?id=359
https://www.eham.net/reviews/view-product?id=5099

Yaesu SP5 speaker with Timewave DSP 59Y

This I think ought to go with the FT1000 radio. The DSP is an aftermarket add-on for the Yaesu speaker.
https://www.eham.net/reviews/view-product?id=120

MFJ 259B analyzer.
https://www.eham.net/reviews/view-product?id=13

Amplifier Alpha 91-B linear

Follow this link for more info:
https://www.eham.net/reviews/view-product?id=81

Ed Thralls, NE4H, 407 254 9209, rusty.trowels@gmail.com

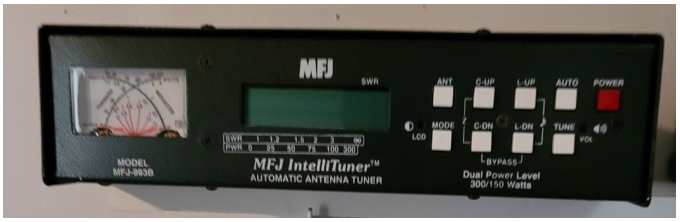
GAP TITAN DX HF Antenna The Titan is marketed with total continuous coverage under 2:1 on 10m 12m 15m 17m 20m 30m 40m and 100 KHz on 80m. Asking price: $250.

HUSTLER 6BTV HF Antenna with one damaged trap cover. Asking Price: $75.

CUSHCRAFT AS3 HF multi-band (10-15-20M) three element beam antenna. Used three months; stored in attic for several years. Asking Price: $350.

All are disassembled and ready for pickup or I can deliver within 25 miles of Orlando.

Bob, KN4ICG, has the following items for sale. These two items were recently purchased and are like new. If interested, call 321-978-1984.



MFJ-993B Automatic Antenna Tuner asking price: $190.

MFJ-4225MV Switching Power Supply asking price: $75.

OARC will not be responsible for any claims that are made in the listings. OARC reserves the right to reject a submitted item if it is deemed to be inappropriate. A listing will not be repeated from month to month unless it is resubmitted.

Be sure to include your full name, call, and contact information, along with an exact description of the item.

Send your amateur radio related items by email directly to: James Deuel, N0XIA, jdeuel@oarc.org in the following format:

Name, Callsign, Contact information (phone number and/or e-mail address)
Item #1: (Description) Asking price: $
Item #2: (Description) Asking price: $
Or
Looking for (description) and willing to pay up to $

Any item received after the 20th of the month will not be included in the next month's issue of *The Listening Post* newsletter.

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.

Weekly Radio Network Meetings

Mon @ 20:00	**147.090**	**Seminole ARES Net – Except – First Monday of the month (146.460 Simplex)**
Tues @ 19:00	**145.350**	**Osceola ARES Net**
Tues @ 19:30	**147.195**	**Quarter Century Wireless Association**
Tues @ 20:00	**146.760**	**Wayne Nelson Trader's Net**
Wed @ 19:00	**147.300**	**Disney Emergency Amateur Radio Service**
Wed @ 21:00	**432.090**	**Florida Weak Signal Group**
Thur @ 19:00	**443.050**	**Orange County ARES Net**
Thur @ 20:30	**432.090**	**Florida Weak Signal Group**

OARC Meetings and Events 2021 - 2022

July 7, Wednesday	Meeting, 7:30pm at the Central Florida Fairgrounds YouTube Live! and Zoom
August 4, Wednesday	Meeting, 7:30pm at the Central Florida Fairgrounds YouTube Live! and Zoom
September 8, Wednesday	Meeting, 7:30pm at the Central Florida Fairgrounds YouTube Live! and Zoom
October 6, Wednesday	Meeting, 7:30pm at the Central Florida Fairgrounds
November 3, Wednesday	Meeting, 7:30pm at the Central Florida Fairgrounds
December 1, Wednesday	No Club Meeting
December 4, Saturday	Holiday Party
Happy New Year --- 2022 ---	
January 5, Wednesday	Meeting, 7:30pm at the Central Florida Fairgrounds
February 2, Wednesday	Meeting, 7:30pm at the Central Florida Fairgrounds
February 11 - 13	HamCation® 2022
March 2, Wednesday	Meeting, 7:30pm at the Central Florida Fairgrounds
April 6, Wednesday	Meeting, 7:30pm at the Central Florida Fairgrounds
May 4, Wednesday	Meeting, 7:30pm at the Central Florida Fairgrounds
June 1, Wednesday	Meeting, 7:30pm at the Central Florida Fairgrounds
June 25-26	ARRL Field Day
July 6, Wednesday	Meeting, 7:30pm at the Central Florida Fairgrounds
August 3, Wednesday	Meeting, 7:30pm at the Central Florida Fairgrounds
September 7, Wednesday	Meeting, 7:30pm at the Central Florida Fairgrounds
October 5, Wednesday	Meeting, 7:30pm at the Central Florida Fairgrounds
November 2, Wednesday	Meeting, 7:30pm at the Central Florida Fairgrounds
December 1, Saturday	Holiday Party

OARC Membership Application

Make checks payable to:
Orlando Amateur Radio Club

Mail to:
Orlando Amateur Radio Club
Post Office Box 574962
Orlando FL 32857

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 $3.00 for shipping & handling.

Shipping & Handling: [ ] Yes [ ] No

Badges _____ S&H _____ Total _____

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