



Fathoming the BASICS

Gordon Gibby KX4Z

An amazing thing happened last Monday night in Alachua County -- local ham radio volunteers from Techs to Extras were on the Zoom actually constructing a real **emergency communications plan** for a desperate situation! Led by local EC Jeff Capehart W4UFL they were grappling with some issues many had never understood before.

- *How exactly do you get electricity to that radio when the normal batteries and outlets are dead?*
- *Can we span our county with simplex VHF?*
- *How many radios can realistically be accepting incoming status reports simultaneously at our actual EOC?*

Those might sound like "simple" questions to some more experienced hams, but the group of volunteers willing to be involved in a well-written multi-hazard communications exercise were working hard to figure out, how DO you get 30-50 miles with a line-of-sight technology and dead repeaters? How DO you get that neighbor's car battery to reach into the wires of my radio and bring it back to life in this scenario? Why CAN'T the EOC provide 2, or even 3 simultaneous HF radios to take in NVIS messages? What's this about 400-feet of coax lines to get out of the reinforced concrete walls?

In the process, the 11-odd volunteers began to hammer out how to move a large number of messages efficiently into the tiny radio room of the EOC, tackling questions like, "how do we most efficiently handle a net?" "Does one of these digital technologies allow the radio to just sit there and absorb incoming error-free messages, or does it have to be baby-sat, taking another volunteer off of a voice channel?" "Why isn't there another HF coax cable there?" "What frequencies work for communi-

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2021 Simulated Emergency Test Exercise

EXERCISE OVERVIEW

Exercise Name	2021 Simulated Emergency Test Exercise
Exercise Dates	Saturday October 2, 2021 (9AM - 12 Noon Eastern)
Scope	Alachua County volunteers and those of any other County or group who wish to use this type of exercise.
Mission Area(s)	RESPONSE
Core Capabilities	MASS CARE SERVICES OPERATIONAL COMMUNICATIONS
Objectives	1.0 Communications Planning (Simplex Net(s), ICS-205) 2.0 Antenna Deployment 3.0 Emergency Power -- Particular emphasis on ability to make wiring adjustments to accommodate novel power sources. 4.0 Peripheral Communications 4.1 Command Net 4.2 Formal Status Report 4.3 Survivor Messages 5.0 Central Communications 5.1 Aggregating Information 5.2 Submitting Aggregate Information
Threat or Hazard	Perceived state or non-state actor software deployment significantly damaging communications and power infrastructure. Complicated by

What's Inside....

- Page 2 [W4CPD Appointed AEC for NFL](#)
[Jacksonville Radio News](#)
- Page 3 [QCX-mini Transceiver](#)
- Page 5 [Okaloosa County, NOARC](#)
- Page 6 [Santa Rosa County](#)
- Page 7 [K4GSX Receives Certificate](#)
[Portable Power Box](#)
- Page 8 [Hams Deploy to LA after Ida](#)

cating all over our county at 10 AM in the morning?" "Is it OK to use 12 gauge wire to connect from a car battery to a handy-talkie or will it damage the radio by giving it too much current?" And in the process, GROWTH in knowledge and expertise was occurring.

Objective 1.0 (**Communications Planning**) of the HSEEP-compliant Alachua County Simulated Emergency Test, <https://qsl.net/nf4rc/2021/InformationForm2021SET.pdf> scheduled for 9AM-11AM Saturday October 2nd, was being carried out in real time by the Emergency Communicator, multiple Assistant Emergency Communicators and several other volunteers. What was a bit ironic was that no one even mentioned pre-existing "emergency communications plans" -- because they just wouldn't cut the mustard for this dual-hazard scenario of widespread computer-hacked networks, leading to fuel shortages and electrical failures. Instead, something new was being conjured up that **would** address the situation -- and move structured neighborhood messages efficiently for aggregation and forwarding to simulated state leaders.

If your county group isn't getting in on this FUN, there is still time to put something together!



Arc Thames, W4CPD was recently appointed Assistant Section Emergency Coordinator for the Northern Florida Section. Arc is also EC for Santa Rosa County. Thanks, Arc, for stepping up.

arc.thames@srcare.org



Jacksonville Radio News

Billy Williams, N4UF

The North Florida Amateur Radio Society (NOFARS) meets Thursday, October 14th at Hogan Baptist Church, 8045 Hogan Rd. At the September meeting Todd, K1KVA spoke about relief communications following previous hurricanes along the Gulf coast.



The Jacksonville FREE Hamfest is Saturday, October 30th in the Terry Parker Baptist Church parking area at 7024 Merrill Rd. Free admission and tailgate spots. Time is 7:00AM until noon. Free FCC testing starts at 11AM. See <http://jaxradio.net/hamfest.html> for more.

JAX DECEMBER DINNER: Tickets go on sale soon for the Jacksonville ham radio Christmas dinner on Saturday, December 11th at Terry Parker Baptist Church on Merrill Rd.. All area hams, families and visitors are invited for catered BBQ, prizes and fun. Advanced tickets are \$15 each. Again, we will participate in the Salvation Army Christmas Wish program for children. Bring an unwrapped new gift if you want to help.

NEW HAMS: Four new hams resulted from Jax Laurel's September FCC test session.

USCG AUXILIARY COMMUNICATIONS: The Jacksonville U.S. Coast Guard Auxiliary has openings with opportunities to be a watchstander at the Coast Guard Station at Mayport and to help build up the local team here. Contact Scott, KI4GGU via alfassa.uscg@gmail.com

Big Performance, Small Package – QCX-mini

Bert Garcia N8NN

Last year I built the QCX 5-watt CW transceiver from QRP Labs and was astounded by the exceptional performance [1] [2]. The designer and owner of QRP Labs, Hans Summers G0UPL, re-designed the QCX transceiver into a tiny package as the QCX-mini while keeping the same feature-packed circuit design and software. The QCX-mini is a single-band transceiver perfect for portable operations with its small size, light weight at 7 ounces, and low power consumption. Choose one band from 80, 60, 40, 30, 20, 17 meters.

You get digital readout with two VFO's, split operation, RIT, programmable CW offset, 12 frequency memories, built-in Iambic CW keyer with 12 text memories, 200 Hz CW filter, on-screen CW decoder, full QSK or semi-break in, on-screen real time clock, battery monitor, and an S-meter. WSPR and CW beacon modes are built-in, and you can plug in a GPS receiver for WSPR time, location, and frequency calibration. The high-performance receiver has more than 50 dB of unwanted sideband suppression, and the 200 Hz filter has no ringing. You can use a computer for CAT control. A computer is not required to align or operate the transceiver.

The QCX-mini kit is \$55 from QRP Labs plus \$20 for the optional metal case [3]. An optional TCXO is available for \$8.25 to maintain frequency accuracy to ± 0.25 ppm for WSPR. A 121-page assembly manual and a 52-page instruction manual are available for download. An optional 50-watt amplifier is available for \$29.50 plus \$16 for the metal case [4].

Figure 1 shows my 20-meter version and the 40-meter version that I built. Note the small size! I'm holding two transceivers in one hand.



Figure 1: My 20-meter and 40-meter QCX-mini's.

The QCX-mini is built on three double-sided circuit boards – a main board, display board and controls board. The surface mount components are factory installed, so you only need to solder the through-hole components. Perhaps the most tedious task is winding the four small toroids. Because of the very close tolerances in the tiny case, care must be taken to follow the instructions closely and to solder carefully. It took me about 10 hours to assemble and align the QCX-mini. All the alignment tools are on the main board, so you don't need any external instruments.

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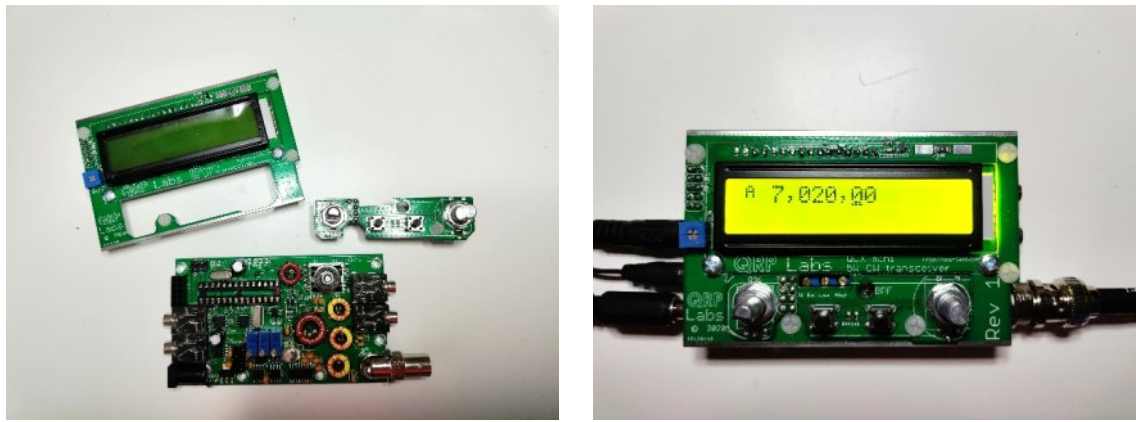


Figure 3: Three circuit boards, *left*; assembled and powered up, *right*.

Even now at the bottom of the sunspot cycle, I am able to work DX in Europe and South America with the QCX-mini and an end-fed wire antenna. QSOs around the US are routine. There's a lot of fun packed into this little rig!

References:

1. *Bang for the Buck – QCX QRP CW Transceiver*, Bert Garcia N8NN, QST NFL Newsletter, October 2020, page 9, <https://arrrl-nlf.org>.
2. *Bang for the Buck – QCX QRP CW Transceiver*, Bert Garcia N8NN, The Oracle, October 2020, page 11, <https://k4gso.us>.
3. QRP Labs, <http://grp-labs.com>.
4. *QRP Labs 50-watt HF Amplifier*, Bert Garcia N8NN, QST NFL Newsletter, December 2020, page 8, <https://arrrl-nfl.org>.



Hamfest 2021

**Silver Springs Radio Club
Saturday, December 4, 2021**

First Christian Church
1908 East Fort King Street, Ocala, FL
Doors open at 7:30 AM



Commercial Vendors:

**TOWER ELECTRONICS, SIGNMAN OF BATON ROUGE,
HAMWORLD, J T Communications, Paradan Radio**

Nitefire Electronics

And many others

For more information: k4gso.us/hamfest

Okaloosa County Florida Hams! At it again!

DJ Stewart, KI4ZER

The North Okaloosa Amateur Radio Club (NOARC) took on a significant project with the Live Oak Baptist Church (LOBC) to ensure a vital roadway was clear of tree limbs and enhance the property from possible storm damage(s). On September 11, 2021, NOARC led the charge to trim dead and live tree limbs which had become a nuisance on the property and preventing vehicles from arriving at the cemetery located on church grounds. While this

was the primary purpose, NOARC also used the opportunity to make the event purposeful for their Ham Shack as it also resides on the property. They rehung antennas impacted by adverse weather, tested their equipment and educated new members to the organization. for more information on NOARC please visit: <https://w4aaz.org/> For more information on LOBC please visit: <https://www.liveoakbc.net/>



NOARC is about to host their inaugural Swap Meet and invites one and all to come and participate in this heavily anticipated event! Information is at: <http://www.arri.org/hamfests/north-okaloosa-amateur-radio-club-hamfest>

Elsewhere in Okaloosa County Florida, the Playground Amateur Radio Club (PARC) of Fort Walton Beach held a technical Night hosting the Rural Radio Preparedness team with their Mobile Communications trailer. The goal was to discuss how the trailer was procured, how to register, license and insure it as a Club and of course, tell all about the construction and transformation of it to suit the needs of the



hobby while allowing for a ready-mobile deployable command post should the situation arise. for more information on PARC please visit: <http://w4zbb.org/w4zbborg/> For more information on RRPA please visit: <https://rrpahq.org/>

PARC also officially announced their March 18/19 2022 Hamfest at the Fort Walton Beach Fairgrounds and hope all who are able will come and enjoy it! Information is at: <http://www.arri.org/hamfests/the-52nd-annual-parc-hamfest>

Club members from both NOARC and PARC also got together to revitalize the Walton County Amateur Radio Club W4FX in DeFuniak, Springs Florida. W4FX requested some assistance to boost membership and promote the hobby in an area specifically prone to multiple adverse disasters and ensure that its capability alongside the Walton County ARES Mission could continue to benefit the public at large. For information on W4FX please go to: <https://wf4x.wordpress.com/> for more information on the Walton County ARES please visit: <https://n4ema.wordpress.com/author/n4ema/>

Information for area activities in a collected effort in non-club format for the entire Northwestern Florida Panhandle can be viewed at NWFLHamRadio. Net.



What's happening? Santa Rosa County Edition

Arc Thames, W4CPD, EC Santa Rosa County

In September, our special guest was James-KC8BCH presenting an Advanced Weather Seminar. James worked 19 years for the NWS as the Sr. Meteorologist in West Paducah, Kentucky. While this was not an "official" SKYWARN class, James' many years of experience provided valuable insight into the world of weather! James covered how meteorologists spot tornados using weather radar and gave key tips on how to identify them. This was an excellent class, and we thank James for taking the time to share his wealth of knowledge with those that attended.



Pictured-James KC8BCH presenting on weather radar at the Santa Rosa County FL EOC

We are having a special event station for the Pensacola Interstate Fair from October 21-31 to showcase amateur radio to those in attendance. We plan on operating on or about 7.254/14.254 MHz as W4F. Hams from the tri-county area have volunteered to staff the booth at the fair and the operators of the fair have provided the space to us for free. For more information on events happening in Escambia, Santa Rosa, and Okaloosa counties, please visit nwflhamradio.net.

For information on joining or participating in the Santa Rosa County ARES team, please reach out to the Emergency Coordinator Arc-W4CPD directly: email info@srcares.org, visit our website srcares.org, or [find us on Facebook](#)

PS..Arc-W4CPD, Net Manager for the Northern Florida ARES Net, is looking for additional Net Control Stations for the morning Net (9A EDT/8A CDT). If interested in finding out more, please email Arc – arc.thames@srcares.org.



OCTOBER 8th and 9th, 2021

The 56th Annual Melbourne Hamfest and Official 2021 ARRL Florida State Convention

Melbourne City Auditorium
625 East Hibiscus Boulevard
Melbourne, Florida

sponsored by the Platinum Coast Amateur Radio Society

[Click here for more info...](#)

K4GSX Receives Certificate

Dale Covington, K4GSX

Late in the afternoon on September 19th, Dale Covington, K4GSX, found enough propagation on 20-meters to work the special event station TI200I in Costa Rica. Twenty members of the Radio Club of Costa Rica have been operating all modes and all bands during the month of September using the call sign TI200I in celebration of the bicentennial of their country's independence, September 15, 1821. Credit the whiz-bang operator who pulled **Dale's 5-watt, QRP** signal out of the pile-up of stations calling that day.



PORTABLE POWER BOX

Darrell Franchuk, KG4CCB

Let me begin by saying that I am fully aware that LifePo4 is the way to go for portable ham radio activities. However, I had three 7-ah sealed lead-acid (SLA) batteries sitting around. Always seeking to get maximum use out of whatever I have, I decided to make use of these batteries before pursuing a LifePo4 purchase. My field operating activities are not day-long activities and the batteries previous use in this capacity has been adequate.

I started with an MTM Case-Gard 50-cal ammo box. Due to very slight size differences the best arrangement was for two to be situated side-by-side lengthwise in the box and the third one perpendicular at the end of the pair. Besides the batteries, I perceived a need for only a volt/ammeter, a means to get 12-volts out and a charging source in and since I didn't want to run the charging source in thru the volt/ammeter backwards, I included a DPDT switch with center off to direct the battery input / output. The round volt/ammeter hole was easy enough with a hole cutter bit but the rectangular holes for the dual Anderson Power Pole outlet and the rocker switch were a little more challenging. In the end I used a kitchen paring knife my wife had recently discarded (and I scarfed up for some then unknown potential future use). The knife worked surprisingly well cutting through the plastic case and the holes required only some minor trimming with a file.



The batteries are connected in parallel through two terminal strips which are bolted to the box cover. The batteries simply set in the bottom of the box and are secured from side-to-side movement by pieces of foam padding and a few pieces of wood, all of which was just the right size and dimensions. Hah, clean living pays off!

The batteries are not new, and their remaining life is unknown, but as they will not get heavy or frequent use they should last for a while. When they bite the dust, I will ponder replacing them in-kind, or graduate to LifePo4. If anyone has a recommendation for a more professional method of labeling, please let me know.

Amateur Radio Volunteers Deploy to Louisiana with Florida Baptist Disaster Relief

Gordon Gibby KX4Z

This is a descriptive narrative designed to give some insights into what a deployment with Florida Baptist Disaster Relief is like, and what kinds of services amateur radio operators provide to such a deployment.

The ham radio volunteers for Florida Baptist Disaster Relief were invited to deploy with the volunteer non-governmental organization (NGO) to Metairie, Louisiana, near New Orleans after Hurricane Ida. Mike Sprenger W4UOO and Mike Crisler N4IFD had agreed to staff the communications trailer for the first stint, and I was able to join them very briefly (one day) in order to catch up those relationships, observe a new, more capable cell-data router, and observe how the NGO set up in a distant-state mission.

Their convoy of trailers left Lake Yale, Florida on a Friday morning, and I was able to catch up to the group in Pensacola, Florida, at Hillcrest Baptist Church, later that evening, leaving after teaching my chemistry class. Because I had deployed to Hillcrest the previous year, I was familiar with their campus and easily got my travel trailer parked, and connected to a power source.

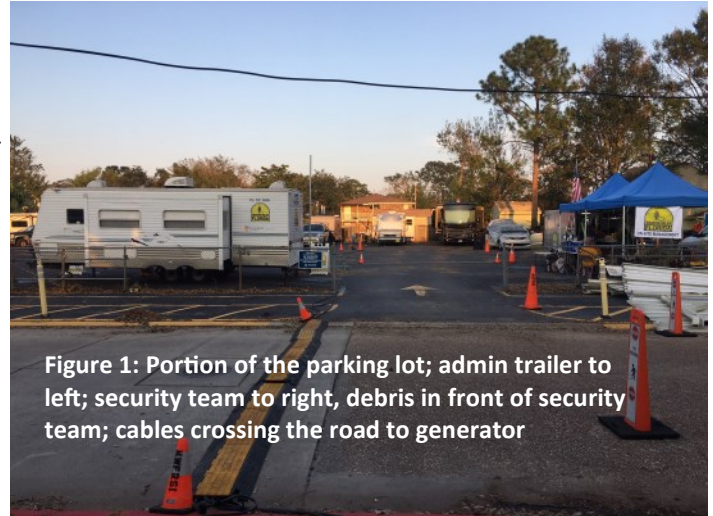


Figure 1: Portion of the parking lot; admin trailer to left; security team to right, debris in front of security team; cables crossing the road to generator

Early the next morning, Mike Crisler took off ahead of the group for Metairie; I followed with the main convoy. Our travels this time were not forced to detour by flooded roads, but the UHF Part 90 simplex comms *definitely* helped in planning fuel and restroom stops, and also were very helpful as we worked our way right to the destination church, past dark traffic lights that turned intersections into overloaded 4-way stops.

The destination church had a SMALL parking lot and difficult approach for these huge trailers but their drivers are retired pro's. Pretty quickly most of us were in the lot, perhaps not in the ideal configuration, but enough to settle in and crank the 10kw diesel generator in the comms trailer. Arthur Gibson AE4AG had done a fantastic job reworking the diesel tanks -- so no leaks this time!! The big 65kw generator was positioned nearer the church and Mike Sprenger worked on helping with laying out huge power cables, with his prior military experience. Inside the church was DARK and HOT -- inside our trailer, very pleasant.

The new cell-data router has multiple different cell-phone antennas, one for each band, as one unit on the roof of the trailer. We very quickly had FirstNet or ATT cell data throughput in the multi-tens of megabytes speed. That was then routed to the ADMIN trailer to handle their Google Forms access to register and handle all the horde of volunteers that were expected in the coming days. (We cringe at the use of an internet-dependent application by a disaster organization, but we aren't running that show!) The VSAT dish was auto-pointed and connected to our contracted satellite, then later left in place but de-powered so we didn't incur unnecessary data charges. We had the satellite, as well as ham radio/SHARES, available as backups for the cell-data. Diane, another new volunteer (not yet licensed) took over handling the distribution and charging of our bank of 20+ Part 90 handheld radios and began to gain some training toward her Tech license. The big generator got connected to enough of the kitchen that we had a hot meal that night by work-light and noisy fans trying to cool and light the fellowship hall.

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I left soon after the Sunday morning worship service by streaming light from the windows after working on an interconnection problem between our Icom 7300 transceiver and an MFJ external tuner that seemed to be a broken cable. We had a new cable shipped right to the group the next week. I understand there were some problems with a melted circuit breaker in the big generator, and a backup generator that frankly refused to start, but other than that, things seemed to be running fairly smoothly as the "assessors" began arriving and heading out to find homeowners who wanted free help removing limbs and tarping busted roofs, etc. When I left there were 32 total vehicles/trailers on the site and expect that number grew substantially within the next few days. A few days after I left, the neighborhood of the church (which isn't that far from a hospital) got their power back!

One possible lesson from this: **If you have the inclination to serve in larger deployments, find a group that *needs* and *wants* communications volunteers, and you're much more likely to be called upon.** If you would like to learn about the training that Florida Baptist DR provides for ham volunteers, check out this page: <https://flbaptist.org/dr-volunteer/>

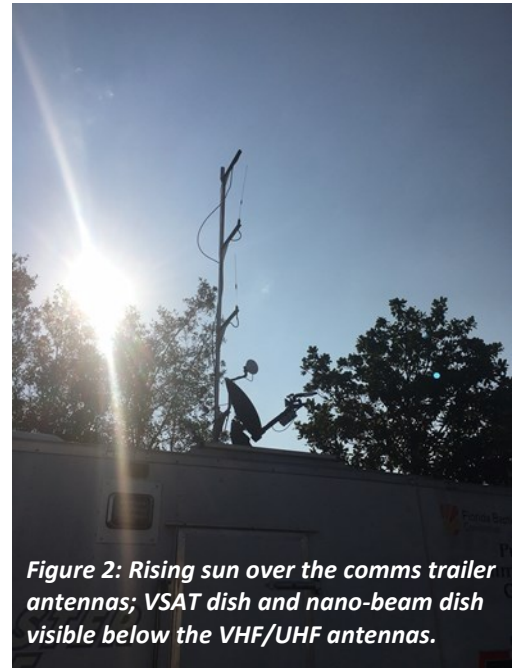
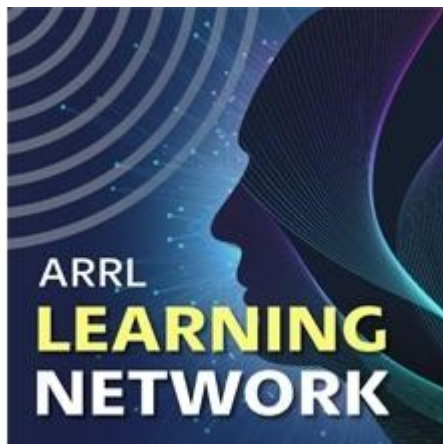


Figure 2: Rising sun over the comms trailer antennas; VSAT dish and nano-beam dish visible below the VHF/UHF antennas.

Never Stop Learning.....



NOARC Inaugural Swapmeet/Hamfest

"DJ" Stewart, KI4ZER

The North Okaloosa Amateur Radio Club (NOARC) is pleased to announce our first Swapmeet/Hamfest in quite some time! **(See update below).**

Details are listed below:

What: Amateur Radio SwapMeet

Where: Crestview Community Center, 1446 Commerce Drive, Crestview Florida 32539

When: Day 1, Friday 8 October 2021

Set up at 3:00 PM.

"Sneak Peak" Show from 5:00 PM to 7:00 PM

Day 2, Saturday 9 October 2021

Doors open at 7:00 AM.

Event closes at 3:00 PM. (Clean to be finished by 8:00 PM.)

Prices: Admittance for Vendors and Guests: \$7.00 each day

Vendor Tables/Table Spots: \$7.00 each, good for the entire show. Limited tables available – please plan on bringing your own tables if setting up more than five.

Talk in Freq: 147.360, positive offset, 100 Hz tone

Contact Information: KI4ZER@ARRL.net or call (850) 359-9186

Activities offered: License testing on Saturday morning. (Preregistration requested via "Contact NOARC" tab at our web site, <https://w4aaz.org/contact>.)

Refreshments

Vendors: **Update: we are pleased to announce that our vendor list now includes Tower Electronics of Green Bay, Wisconsin, a well-known nation-wide parts vendor!**

Area Club Booths and Tables

Private individual Tables

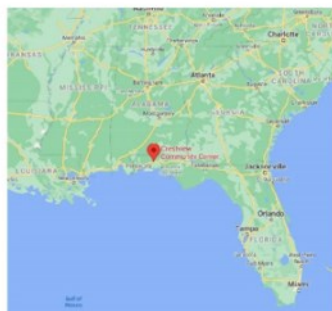
NOARC is also associated with the Playground Amateur Radio Club (PARC) of Fort Walton Beach Florida, which hosts an annual Hamfest every Spring. NOARC recently participated with PARC at their 51st Annual show, and they are a large input for our Fall event -- which we hope to carry on in following years.

NOARC sincerely hopes you can participate in this inaugural event! Please join us!



**W4AAZ
PRESENTS!**
Public Amateur Radio Swap Meet

- 1446 Commerce Dr, Crestview, FL 32539
- October 8 – Setup at 3 pm
- Special Sneak Peak Show from 5 to 7 pm
- October 9 – Doors open at 7 am to 3 pm!
- Talk in: 147.360 +.6 MHz 100 Hz Tone
- 40,000 sq ft Facility – INDOOR!
- Admission: \$7.00
- Table (ea.): \$7.00
- Info at W4AAZ.ORG
- Contact KI4ZER@ARRL.Net



FCC Testing Information

Hog County Amateur Radio Association, Bushnell FL

- First Saturday, 11:00 AM
- Cross Connection Church, 1451 West County Road 476, Bushnell, FL 33513
- Info: sumterVE@gmail.com

Lake ARA, Leesburg FL

- Monthly on the 3rd Saturday, prior to monthly meeting. (Except December)
- 8:00 AM
- LARA Clubhouse (11146 Springdale Ave, Leesburg – off of CR 473)
- For more information and registration, contact: Dave Templeton N4NG, 386-804-2806
n4ng@icloud.com in advance of the meeting.

Lake Monroe ARS FCC Testing, Sanford FL (LMARS)

- Third Saturday of every month
- Seminole County Sheriff's Office, 100 Eslinger Way, 1st Floor, Sanford, FL
- Registration Required
- For more information and registration, contact Bob Cumming, W2BZY, 407-333-0690 or w2bzy@cfl.rr.com

Milton Amateur Radio Club, Milton FL

- Check date at miltonarc.org
- Walk-in
- Bagdad United Methodist Church
- Info: Chuck, N4QEP, merlinman3@yahoo.com

Orlando Amateur Radio Club

- First Wednesday
- 5:30 PM, Walk-ins allowed
- ARRL/VEC
- Central Florida Fairgrounds Craft Building, 4603 W Colonial Drive, East Gate off Fair Villa Road
- Info: testing@orac.org, Robert Cumming, 407-333-0690

Santa Rosa County FL ARES Testing (Walk-in)

- Saturday, June 26, 5 PM at the Santa Rosa county EOC, 4499 Pine Forest road, Milton FL
- Additional information and dates can be found at srcares.org or by emailing info@srcares.org

Seminole County

- Every month on the third Saturday
- 9:15 AM
- Seminole County Sheriff's Office off SR 17-92, on 100 Eslinger Way in Sanford, FL
- Info: Bob Cumming, W2BZY, w2bzy@cfl.rr.com

Silver Springs Radio Club, Ocala FL (SSRC)

- Go to <http://k4gso.us/class/> to signup for classes
- Go to <http://k4gso.us/test-signup/> for testing. Testing is held on the 2nd Tuesday of odd months at 7 PM.
- Note <http://k4gso.us/ncvec605/> is requested to be filled out before you show for testing. It is best to download the form and open it as a PDF so you can fill in the blanks.

Suwannee ARC, Live Oak, FL

- First Tuesday of the month prior to the meeting
- Saturdays available with advanced notice
- N4SVC, 9707 58th Street, Live Oak, FL 32060
- www.suwanneearc.org for more information

Tallahassee Amateur Radio Society (TARS)

The Tallahassee Amateur Radio Society (TARS) has begun limited License testing. Please refer to the following for the updated testing dates and requirements for individuals wishing to take exams. <https://k4tlh.net/faq/license-testing/>

West Volusia Amateur Radio Society

- Second Saturday of each odd numbered month
- 9:00 AM
- Elks Lodge, 614 S. Alabama Avenue, Deland, FL
- Info: <https://westvars.org/testing>

This information is subject to change. Check with the testing venue to confirm the testing session.

Remember: Bring photo ID, CSEs, copy of current license, exam fee in cash, \$15 exact change. Large print exams are available.

NFL Web Site

For net, hamfest and other events go to www.arrl-nfl.org. Webmaster Brian McClure, NW4R, maintains an up-to-date and detailed listing of all NFL nets and activities. If you need to make a change to an existing net or activity, or add a new one, you can contact Brian on the website.

NFL Officials

Section Manager – Kevin Bess, KK4BFN

Assistant Section Managers

Joseph D. Bushnel W2DWR

John C Reynolds W4IJJ

Jeff Capehart W4UFL

Neil Light KK4VHX

Ray Crepeau K1HG

Steve Szabo WB4OMM

Section Emergency Coordinator – Karl Martin K4HBN

Assistant Section EC – Arc Thames W4CPD

Section Public Information Coordinator— Scott Roberts KK4ECR

Assistant SE Coordinator – Dave Davis WA4WES

Section Technical Coordinator – Frank Haas KB4T

Affiliated Club Coordinator – Appointment Pending

Section Traffic Manager – Helen Straughn WC4FSU

Official Observer Coordinator – Robert Leasko WB8PAF

State Government Liaison – Darrell Brock N4GOA

Statewide Digital Radio Resources

Did you know we have designated ARES DSAR Reflectors & a DMR Talkgroup?

- **DSTAR Reflector 046**
 - o REF046A – Florida Statewide
 - o REF046B – NFL ARES
 - o REF046C – NWS Mobile, AL SKYWARN
- **DMR Florida State ARES TG 31127**

Feel free to link your local repeaters to help create a digital repeater network through the state!

Email your QST NFL input to n4gl.marty@gmail.com, Marty Brown, N4GL, Editor. All submissions are subject to editing prior to publication.



Newsletter of the Northern Florida Section of the ARRL

1. Spread the word about our website www.arrl-nfl.org and **QST NFL** on your club web-site, in a newsletter or at a meeting.
2. Send a write-up and picture of your next activity.
3. Make sure you, or the appropriate member of your club is on the email reminder list.
4. Contact: Marty Brown N4GL, n4gl.marty@gmail.com

QST NFL is a monthly publication of the ARRL Northern Florida Section. **QST NFL** is intended for wide distribution within the NFL Section, including club Leaders and all licensed Amateurs in Florida. A current issue of this publication can be found at the ARRL Southeastern Division web site, Northern Florida Section. www.ARRL-NFL.org Opinions expressed by writers are their own, and may not express the positions of the ARRL. Submissions may be made to the editor, Marty Brown, N4GL.MARTY@gmail.com. All submissions are subject to editing prior to publication.