

QST NFL



Providing timely and interesting information to Radio Amateurs in North Florida

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Steve's Take:

NFL Section Manager Steve Szabo, WB4OMM



Greetings North Florida Hams! Welcome to the GREATEST HOBBY IN THE WORLD!

No more guessing, summer is here. Most all of the section (and the state) is in drought conditions, and very dry.....use care outdoors! Numerous wildfires are already burning. Stay alert and prepared!

I was at the DEARS (Disney) meeting on April 12th over in the Disney All-Start Resort. What a great meeting! Kathy Blake K4WDW and members sat through (ok, endured!) one of my EmComm/Volunteer presentations and then made me an honorary member, complete with hat, coffee cup, and certificate!!! Yeah, I am finally an Official Mouseketeer!!!! It was a great meeting, and I was humbled by the honorary membership. (I think Marty gave me up with the photo they took by placing it in this newsletter......cgrin>).

I also was able to make the QCWA's Citrus Chapter Quarterly Meeting in Casselberry this past Sunday, April 23rd. Another great group, and we ate at a Chinese Buffet Restaurant. As usual, I ate too much......

I can NEVER express my gratitude to Kathy and the D.E.A.R.S. club members, and the many other clubs, teams, associations, societies, ARES groups, and whatever you and/or your "people" are called for the past three years! No matter where I go, I always feel warmly welcomed and treated like a celebrity! I appreciate it, and hope that I continue to earn your trust and respect.

Some upcoming events....the annual Florida Hurricane Exercise will be in May – sometime. Speaking with our liaison in the State EOC, he advised they (State EM) are trying to coordinate with the National Hurricane Center to do a shared exercise. No tentative dates or information yet, but stay tuned to your e-mail and the NFL Section Web Page. As soon as I know, you'll know!! (AND PLEASE! Do not contact the State EOC about it!!). Make sure you work with your local groups!!!

I am scheduled for the Orlando ARC meeting for May 3rd, also the Dayton Hamvention in its new digs in Xenia, OH & the Four Days in May (FDIM) QRP gathering during the same time/location; later in the month, the Central Florida QRP group over in Seminole County.

I hope to see you and say, "Hi" face-to-face! And a reminder.....wildfires are already here, and hurricane season is just around the corner (yes, we already had our first named storm for the year!!).

Get involved, get active, get happy! Stay safe, get on the air, and have fun!!

EVERYONE COUNTS!

73, Steve WB4OMM



Steve Szabo WB4OMM

NFL Section Manager

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Email your QST NFL input to WB2VYK@gmail.com Marty Brown, WB2VYK, Editor



The Disney Emergency Amateur Radio Service (DEARS) Newest Honorary Mouseketeer!!

Steve Szabo, WB4OMM ARRL North Florida Section Manager



Tallahassee Amateur Radio Society (TARS) Has New PIO & Editor

Jason Ford W4JMF PIO, Tallahassee Amateur Radio Society

In our April meeting, TARS selected Jason Ford W4JMF as our new Public Information Officer. He is originally from New Castle, Indiana, relocated to West Central Florida in 1994, and moved to Tallahassee in 2005. Jason works for the City of Tallahassee as a Graphic Design and Installation Specialist. He has been licensed since 1998, and finally obtained the perfect vanity call W4JMF last year. He enjoys D-Star, DMR, Allstar, and owns an Echolink Conference server *THEGUILD* Node 679320.

Dave Davis, WA4WES, has taken over as editor of the *Printed Circuit*. Mike Maynard, K4ICY, resigned April 1, 2017. For the past five years Mike has diligently put together the monthly TARS newsletter. Through his untiring efforts he has kept the Tallahassee and

surrounding ham radio community informed, educated, and entertained with his timely news items, articles, and postings of local and national ham radio events.

Dave Miner, W4SKG, Tallahassee Amateur Radio Society is pleased to announce the return of two sponsors, and the addition of a new sponsor, for field day 2017. Camping World of Tallahassee, courtesy of Jason Bellflower, General Manager, is allowing the use of three RVs while we operate. We'll stay refreshed by beverages donated kindly from Refreshment Services Pepsi, courtesy of Charles Vickery and keep our bellies full with excellent pizza pie made with love from Uncle Maddio's Pizza on Mahan Drive, courtesy of Alicia Holmes.

Florida State Parks on the Air

Bert Garcia, N8NN NFL Web Master

The Florida State Parks on the Air contest was held on April 1st. The FLSPOTA contest promotes public awareness of ham radio and Florida's parks system, and contributes to the recognition and appreciation of Florida's diverse ecology. It provides the opportunity for Florida amateurs to get out and enjoy operating outdoors and encourages camaraderie and sportsmanship among Florida's amateur radio operators. You can read more about the contest at http://flspota.org/.

Bert Garcia N8NN activated Lake Griffin State Park for the contest, operating with an Elecraft KX2 running 5 watts on CW from battery power. The antenna was a 53-ft end-fed wire. Operating in the shade of centu-

ries-old live oak trees, contacts were made with six states and Canada. QRP with 5 watts can be a challenge, especially on a weekend when other contests are ongoing. But, that's ham radio! Get up, get out and get on the air!

73, Bert N8NN





Alachua County Hurricane Preparation Reaps Two Very Tall Benefits

by Gordon Gibby KX4Z Alachua County ARES Volunteer

Alachua County ARES is gearing up for a May NIMS-compliant Full Scale Hurricane Test Exercise and is already reaping huge benefits as a result. Hospital communications leader Dave Welker (W2SRP) of Marion County challenged planners of the Alachua County Hurricane Test to take FEMA Course IS-120a — and that made a huge difference! It led to both a new repeater location and access to a 100-foot portable tower!

How, you ask? The initial result of the online free course was a document that lays out a 4-hour Hurricane Full Scale Exercise placing ARES volunteers —and evaluators—at four key facilities in the County: the EOC, the Gainesville office of the Red Cross, and two actual hurricane shelters used last year — the Gainesville Senior Center and the Easton-Newberry Sports Complex. Amateurs had problems getting communications working at both those shelters during for-real activations last year.

This year an aggressive plan will have the volunteers set up every mode/band of communications they can, and then open sealed envelopes at designated times to learn what simulated obstacles have befallen their location — while complete phone and Internet outage is presumed throughout the test. The four hour exercise steps through two days of simulated storm and recovery events.



Of course, if an unsealed envelope informs a location that they have lost both *power and antennas*, they can't just call the EOC to tell the ARES net control station that they'll be down for a bit while they set up backup power and slingshot up a new antenna----they simply "radio-disappear." Every location gets pre-written messages of several types to transmit. These include weather & Emergency Management bulletins, tactical snippets, as well as much longer detailed lists, spreadsheets or email attachments that *must get through* as part of the community's disaster response! The comm operators will receive these both printed out, and already stored as files on USB thumb-drives, so the emphasis is on <u>communicating</u>, not typing or making up messages. With the random obstacles that will befall each location, they'll be plenty busy! And if that isn't enough, other counties are joining in, and completely unexpected "test urgent" messages may pop up out of nowhere---and have to get through! The comms teams not only have to get their messages out---they also have to be available and monitoring for others trying to reach *them*.

So the unexpected windfalls resulted when organizers tackled the communications problems reaching the shelters on the west side of the county. A search for possible solutions let to a phone call to the Division of Forestry, which manages plenty of 100-125 foot tall *largely-unused* Fire Towers scattered through the countryside. We were astonished when the local Forestry Division simply remarked of a crucial west county tower --- "It already has an unused antenna with Heliax feedline and electrical power—you can have it for your digital node repeater indefinitely....and further we have a portable crank up tower, would that help your exercise?" You betcha!!! Who knew the local Forestry communications chief was a ham, a professional radio engineer, and runs several repeaters himself?

A new digital node – NF4RC-7 – was quickly assembled and installed at the Forest Grove fire tower halfway between Newberry and High Springs on Wednesday Mar. 29 and immediately had strong connections to the SEDAN node on the University of Florida Campus as well as many, many other stations in the area. It will connect to multiple WINLINK gateways and chat stations in Alachua County and provide far better digital emergency communications to both western Alachua County hurricane shelters. Planning is underway to utilize the Forestry mobile crank-up tower to hoist both VHF and HF antennas & correct deficiencies in the current amateur radio backup at the Alachua County EOC.

Alachua County Hurricane Prep (Continued)

Resources that might benefit other ARES hurricane test planners:

FEMA IS-120a. Online course: https://emilms.fema.gov/IS120A/index.htm

Maps of Florida Fire Towers: https://tnlandforms.us/fltowers.html (click on any tower and you're taken to a map that shows

them all)

Learn about Florida Fire Towers and how installing an antenna can save a fire tower from being scrapped:

https://tnlandforms.us/fltowers.html

http://www.news-press.com/story/news/local/lehigh/2015/11/17/fire-towers-still-used-throughout-florida-forestry/75844844/

(These towers usually do not have a surrounding walkway and extreme caution is urged in planning any installation.)

Alachua County Hurricane Participant Workbook: http://qsl.net/nf4rc/ParticipantWorkbook.pdf

Draft Alachua County Communications Plan: http://www.qsl.net/nf4rc/AlachuaCountyCommsPlan.pdf

Alachua County NF4RC website: http://www.qsl.net/nf4rc/

Escambia County Hams Hold 7th EC001 Session

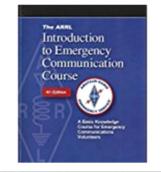
Daisy Crepeau KT4KW

On April 22, 2017, Ray Crepeau, K1HG, Steve VanDenAkker W4SJV and Daisy Crepeau, KT4KW began their 7th field session of EC001 taking place at the Escambia County (Florida) Search and Rescue facility in Pensacola, FL. This class, which teaches amateurs how to react in an emergency situation, is invaluable to ARES members who intend to supplement first responders when the responders are overwhelmed. EC001, which has a prerequisite of completing FEMAs' on line courses IS 100 and IS 700, gives students the basic information about operating in an Incident Command Situation. This class teaches amateurs how to integrate into the ICS system and how important communication will be in the event of a disaster. This class will have its second and final session on April 29th. End of course exams will be administered then.









March April Activities for the North Okaloosa Amateur Radio Club (NOARC)

Ron Mahn, FCC Amateur Radio Call Sign KI5FR
President, North Okaloosa Amateur Radio Club (NOARC)

Hello again from Crestview Florida! The North Okaloosa Amateur Radio Club had a very focused month in April.

We had our monthly club meeting on April 13. Among the activities were the formation of a committee to inventory the club's belongings. NOARC has been the beneficiary of gifts from many places over the years. Unfortunately, this has led to a wide-ranging inventory. We are looking to get that under control. Also during the meeting, we took orders for Field Day items. We are really looking forward to it! Finally, we reiterated that the club would sign up for no more activities until the club station is on the air. This will give us a chance to get hands on experience on the radio for all of our members.

Also during April, we continued our Extra Class. There has been lots of positive feedback from the students. In addition, we have opened the class up to visitors not going for their license but who might enjoy some of the topics. Thanks so much to Mike W4BZM and Bruce KA5DLV and all our volunteer instructors.

We also received word this week that the city of Crestview is moving forward on a memorandum of understanding which will allow NOARC to place an amateur in the City EOC in the event of an emergency. Okaloosa County is split by the Eglin AFM test and training range. The County EOC is south of the range while the city of Crestview is north. This agreement will help maintain communication between north and south and may serve as a model to tie all the municipalities to the county EOC.

As I write this, there are 4 days left in April, and boy are we busy! Thursday is our Tech night. We will use this tech night as an Elmer session. We will set up in groups where our new folks can ask questions of long-

er term hams. Also, we have Kathy KM4YOH and Scott KC6LEC bringing out the prepared top for the station tower. We will do one last inspection before putting it up on Friday. On Friday, allow with the tower completion, we will ensure a radio is good to go and look to have the club station, W4AAZ, on the air. On the air not a minute too soon as we hope to work the Florida QSO Party on Saturday April 29. Looks to be a great day! On Sunday, some of our members are looking to assist with a bicycle race event in the Blackwater National Forest. It came up at the last second. However. If Daisy KT4KW and Ray K1HG are doing it, we can be assured it will be as professional as possible for 6 day notice.

Finally, I would like to welcome a new member to the club, Charles KL7KS. He has hit the ground running and we are glad to have him!

I want to close by inviting all of the readers to come by our club meeting and Tech Nights. Our business meetings are the second Thursday of the month at Live Oak Baptist Church (LOBC) at 4565 Live Oak Church Road, Crestview FL (GPS Coords 30.705177, -86.564285). Our Tech Nights are on the fourth Thursday of the month Jan – Oct also at 7:00 at LOBC. Please see our Facebook site at https://www.facebook.com/NorthOkaloosaARC/ or our website, www.W4AAZ.org for more updates. See you next month!

NOARC May Events

Club Meeting - May 11th LOBC

Tech Night – May 25th LOBC

Field Day Prep for 24-25 June at 997 Webb Street Crestview Florida.

General/Extra Class 2-Weekend Bootcamp, May 13/14 May 20/21, 2017

Gordon L. Gibby MD KX4Z

(This will be my first General/Extra Class course. I've taught 2 Technician Courses so far. My experience includes 2 degrees in Electrical Engineering and >40 years as a ham. I run 3 WINLINK stations, have built multiple ham radio transceivers / amplifiers / antennas, and CW or PSK31 is my favorite mode. I have now built six packet repeaters.)

Each participant will receive:

Used SWR meter suitable for HF (\$15) (unless I run out!!!) EMP-prevention gas discharge surge arrester (\$3) HF antenna for the band of their choice (or multiband) \$12 30' transmission line \$15 Voltmeter (Harbor Freight) \$5

\$50 --- so this is the charge for the course.

We will eat lunches together and possibly suppers. Bring food money / sack lunch or whatever.

The following labs are tentatively scheduled:

- Make HF contacts in multiple modalities
- Construct HF antennas
- Construct directional VHF antennas
- Learn how to properly tune a non-broadband HF transceiver
- Adjust HF antennas for resonance using SWR bridge or Antenna analyzer
- Design and build transistor microphone preamplifier
- More usages of a VOM than you can count
- Smith Chart Introduction
- Quarter Wave Stubs
- Homemade antenna tuner
- FLDIGI
- How to tune a linear amplifier
- Series / Parallel Resistors / tuned circuits
- Building Antenna Traps

Address is Gordon L. Gibby MD KX4Z; 15216 NW 41st Avenue, NEWBERRY, Florida 32669. Phone 352 331 6639.

Subdivision STEEPLECHASE off of CR 241 just north of 39th Avenue, 4 miles west of I-75 exit 390. Gate code is #0352 (pound sign is important)

Contact ggibby@anest.ufl.edu 352 331 6639 to register

| Name: | Phone: | |
|--------|------------------------|--|
| Email: | Current license/class: | |

Northern Florida STM Reports for April 2017

Tom Housworth KIOJO Section Traffic Manager

Station Activity Reports

CALLSIGN TOTAL KI0JO 530 KZ8Q 187 WB4RJW 70 KK4BNL 60 WC4FSU 55 N3JUY 51 N9MN 38 WD3B 35 W4NFG 24 KJ4G 13 K4HGH 4

Public Service Honor Roll

| CALLSIGN | TOTAL |
|----------|-------|
| KF4DVF | 227 |
| KI0JO | 120 |
| WC4FSU | 110 |
| N3JUY | 110 |
| WD3B | 110 |
| KB4VOH | 98 |
| KZ8Q | 90 |
| WB4RJW | 90 |
| KK4BNL | 73 |
| KJ4G | 73 |
| N9MN | 70 |
| KJ4HGH | 54 |

Brass Pounders League

| CALLSIGN | TOTAL |
|----------|-------|
| KI0JO | 530 |



Nets

| NET | ABB. | QNI | QTC | QND | SESS | MGR |
|----------------------------------|--------|------|-----|-----|------|---------|
| | | | | | | WC4FSU/ |
| Florida Phone Traffic Net | FPTN | 1211 | 189 | 787 | 30 | N4GMU |
| Northern Florida ARES Net | NFARES | 1939 | 29 | 926 | 25 | W4NFG |
| Northern Florida D Star Net | NFDSN | 71 | 5 | 70 | 4 | W4NFG |
| Northern Florida D-Rats Net | NFDRN | 44 | 0 | 72 | 4 | W4NFG |
| Volusia County Traffic Net | VCTN | 272 | 26 | 514 | 30 | WD3B |
| Gulf Coast VHF Training Net | GCVTN | 854 | 30 | 415 | 30 | K4QBH |
| Seminole VHF Traffic Net | SVTN | 475 | 38 | 566 | 29 | KG4QCD |
| North Florida Phone Net | NFPN | 2059 | 5 | 901 | 30 | AI4GF |
| Lake County ARES | LCARES | 196 | 12 | 198 | 12 | N4KXO |
| Walton County Amateur Radio Club | WCARC | 233 | 12 | 181 | 12 | K4NDJ |

Upcoming Hamfests

- May 13, 2017 EPARS Tailgate, Dade City, FL http://eparsonline.org
- May 20, 2017 Suwannee ARC Hamfest, Wellborn, FL http://www.suwanneearc.org/
- May 27, 2017 Wormfest 2017, Pinellas Park, FL http://w4orm.org/
- August 12, 2017 Fort Pierce Hamfest, Fort Pierce, FL http://FPARC.org
- August 19, 2017 TARCFest, Tampa, FL http://www.hamclub.org
- September 9, 2017 3rd Annual Lakeland ARC Hamfest, Lakeland, FL http://lakelandarc.org NEW!
- September 23, 2017 Pasco County HamFest, Odessa, FL http://sarcfl.com
- October 13, 2017 Florida State Convention 52nd Annual Melbourne Hamfest & 2017 ARRL State Convention, Melbourne, FL http://www.pcars.org
- October 28, 2017 Fall 2017 Cy Harris, Oakland Park, FL http://browardarc.net/free-flea/
- October 28, 2017 Jacksonville FREE Hamfest, Jacksonville, FL http://nofars.net NEW!



FCC Testing Information

LMARS FCC Testing

- Every odd month (January, March, May, July, September, November)
- Fourth Saturday
- 9:15 AM
- Seminole County Sheriff's Office
- Off SR 17-92, on 100 Bush Blvd in Sanford (across from Flea World)
- For more information and registration, contact Bob Cumming, W2BZY, 407-333-0690

North Florida ARS

- Weeknight testing for all grades of license in Feb., May, Aug. and Nov.
- Hogan Baptist Church at the corner of Hogan Rd. and Parental Home Rd. in southside.
- Advance registration is required. The next session is Thursday, November 5, 2015 7PM.
 See http://nofars.net/home/fcc_testing



Lake ARA

- Monthly on the 3rd Saturday, prior to monthly meeting. (Except December)
- 8:00 AM
- <u>LARA Clubhouse</u> (11146 Springdale Ave, Leesburg off of CR 473)
- For more information and registration, contact David A. Pennell, NP2MR (352) 602-5164
 np2mr@yahoo.com in advance of the meeting.

Suwannee ARC

- 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

Section Nets.....

For net details go to $\underline{www.arrl\text{-nfl.org}}$ and select the Nets option.

| Net | Frequency | Day/Time (Local) | | |
|--|--|---|--|--|
| Central Florida D-Star Training Net | REF046C. D-Rats nfl.ratflector.net | Wednesday, 0900 | | |
| Clay County ARES Net | 146.925, Tone 156.7 | Sunday, 1930 | | |
| Crestview Gulf Coast VHF Training Net (GCVTN) | 147.360, (+), PL 100Hz | Daily, 20:00 | | |
| Crestview SARNet | Statewide UHF Net on linked repeaters on 444.900, (+) PL 100Hz | Friday, 0900 | | |
| Crown District ARES Net | 145.925 (156.7) | First Wednesday, 2030 | | |
| Defuniak Springs Walton County ARC Net | 147.285 (+), PL 100Hz | Monday, Wednesday, Friday, 1930 | | |
| Duval County ARES Net | 146.70 (127.3)ALT:147.315(127.3) | Wednesday, 1930 | | |
| Florida Hurricane Net, | D-Star REF037C | Monday, 2100 | | |
| Fort Walton Beach – Playground ARC Net | 146.790, (-), PL 100Hz | Sunday, 2000 | | |
| Friendship ARC—Ocala | 146.61, PL 123 | Monday, 1600 | | |
| Hog County Amateur Radio Assn Net , K4HOG, Bushnell FL | 145.490, PL 123.0 | Monday, 2000 | | |
| Madison County ARES Madison County ARC | 145.190, Lee Repeater, PL 123 | Sunday, 2100 | | |
| Milton 2-Meter Net | 145.490 (-), PL 100Hz | Monday, 2000 | | |
| Milton Santa Rosa County ARES Net | 146.700 (-), PL 100Hz | Tuesday, 2000 | | |
| Nassau County ARES Net | 147.000 (-) (127.3) | Wednesday, 2030 (Except 1st Wed) | | |
| NFL ARES Net | 7.242, Primary 3.950, Secondary | Monday-Saturday, 0900 | | |
| NFL D-Star Net | REF046C, D-Rats on nfl.ratflector.net. | Wednesday, 0900 | | |
| NFL Digital Net | 3.590 PSK 31, USB | Sunday, 1900 | | |
| NFL Phone Net (NFPN) | 3950 Alt 7242 and 7247 | Daily, 1930 | | |
| Northwest Florida DX Net | 147.555 (simplex) | Tuesday, 1930 | | |
| Okaloosa County ARES Net WIRES-X System in FM (not digital) | 442.950 (DCS023) North Area 444.800 (100 Hz) South Area | Monday, 1930 | | |
| Orange County ARES Net and Skywarn | 443.050 | Thursday, 1900 | | |
| Pensacola Escambia County ARES Net | 146.760, PL 100Hz | Monday, 1930 | | |
| QCWA Citrus Chapter 45 | 147.195 | Tuesday, 1930, Echolink W2AS-L, #node 627152 | | |
| QCWA Suwannee Chapter 62, Ocala | 3940 | Saturday, 0900 | | |
| QCWA The Villages Chapter 217 | 443.150, PL 103.5 | Friday, 1000 | | |
| QFN CW Traffic Net | 3547 Winter (7105 Summer) | Daily, 1900 | | |
| Santa Rosa County Skywarn Net | 146.700, K4SRC Repeater | Monday, 2000 | | |

Section Nets, continued......

| SAR NET | http://sarnetfl.com | Click 140614_FDOT_UWAVE_Map_with_UHF_cove rage.16664435 | |
|--|---|---|--|
| Seminole VHF Traffic Net | 147.090 MHz, offset of +600, PL 103.5 147.450 Simplex | 3.5 Daily, 1915 First Monday, 19:15 | |
| St. Johns County ARES | 147.210 (127.3) ALT:147.015 (127.3) | Wednesday, 2000 | |
| SSRC (Silver Springs Radio Club) Net SSRC Ragchew Net SSRC Skywarn/ARES SSRC MERT | 146.610 pl 123 28453 146.610 pl 123 146.610 pl 123 | Monday, 2100 Monday, 2200 Wednesday, 2130 Thursday, 2130 | |
| Suwannee ARES/Emergency Prep Net | 145.270 PL 123 145/410 PL 123 FSQ— 3.594 MHz | Thursday, 2030 | |
| TARS News and Information Net | 147.030+, PL 94.8 | Thursday, 2000 | |
| TFN Tropical Florida Sideband Traffic Net | 3942 | Daily, 2145 | |
| The Villages Amateur Radio Club (TVARC) Rag- chew Net | 443.225, PL 103.5 Echolink K4VRC-R | Monday, 1745 | |
| Traders Net | 3.933 | Sunday, 0800 | |
| Valparaiso Twin Cities Amateur Radio | 146.73, (-), no PL tone | Sunday, 2030 | |
| VCTN Volusia County Traffic Net | 147.150, +.600, tone 127.3 145.330,600, tone 127.3 (Alt) | Daily, 2245 | |
| Walton County ARES Net | 147.375 (+), PL 100Hz | Wednesday, 1900 | |

NFL Officials

Section Manager – Stephen W. Szabo WB4OMM
Assistant Section Managers – Joseph D. Bushnel W2DWR,
John C Reynolds W4IJJ, Dave Davis WA4WES, Jeff Capehart
W4UFL, Neil Light KK4VHX, Ray Crepeau K1HG
Section Emergency Coordinator – Strait Hollis KT4YA
Assistant SE Coordinator – Robert A. Mitchell W4HKG

Section Technical Coordinator – Frank Haas KB4T Affiliated Club Coordinator – Steve Palmer KM4SDP Section Traffic Manager – Tom Housworth, KI0JO Official Observer Coordinator – Rick A. Lloyd AA4W State Government Liaison – Darrell Brock N4GOA



Newsletter of the Northern Florida Section

- 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 WB2VYK, wb2vyk@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, WB2VYK, wb2vyk@gmail.com.



