

North Fulton Amateur Radio League NFARL eNEWS

June 2022

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www.nfarl.org



2022 ARRL Field Day is June 25-26, 2022/ Mike Riley, KN4OAK

2022 ARRL Field Day is approaching in a manner that seems to be quicker than the last few years. Perhaps it is because we are all busy with other activities we need to balance in our lives. Perhaps it is because I've been occupied with other events that seem to pile up as the summer seems to get rolling. Perhaps it's because I am still thinking it's too early for third week in June to have arrived. Regardless, the event is just a few days away!

Don't worry though- Steve Randall KO4VW, is our 2022 NFARL Field Day Chairperson and will help us out. On June 21, 2022 during the upcoming NFARL Club meeting, Steve will lead us through a review of the 2022 NFARL Field Day event plan. As a result, any concerns you may have pertaining to what the Club's 2022 ARRL Field Day goals and objectives should likely be addressed! Steve and the activity team captains have been diligently organizing details for set-up, operating, the picnic, tear-down, and recapping lessons we will learn. Please plan on joining Steve at the NFARL Club meeting, Tuesday June 21, 2022 to review the plans, discuss questions on event operations, and develop solutions to fill in any gaps we uncover. This year NFARL will be trying some different approaches to making contacts along with the tried and true modes we've used in the past. The meeting will be a great opportunity for you to receive an update on the latest plans.

Besides reviewing the Field Day plan, all those who choose to attend in person will get a chance to partake in some ice cream refreshment! Martha W4MSA, has convinced the NFARL Executive Committee that ice cream must be served on this occasion so as to foster social interaction, enable enjoyment, and provide a treat for the palette. Convincing wasn't that difficult, so we're serving ice cream during the meeting!

Join us Tuesday June 21, 2022 at the Preston Ridge Community Center, 3655 Preston Ridge Road Suite 100, Alpharetta, GA 30005. Doors open at 7:00PM for social interaction. The meeting kicks off at 7:30PM EDT. We'll be done by 9:00PM EDT. For those who won't be able to join in person, we'll have a simultaneous Zoom meeting running. You'll need to supply your own ice cream though. Here's the Zoom invitation details:

<https://us06web.zoom.us/j/83683780762?wd=NIhyYVpYcTZKQnBtTGdkSutRcGtLQT09>

Meeting ID: 836 8378 0762 Passcode: 571931

President's Corner / John Norris N4IHV

The most favorite month of Amateur Radio is here. It is time for Field Day, June 25-June 26, 2022. We look forward to this time every year and remember all of the fun experiences we had the year before. All those who participate in the NFARL ARRL FD set up will gain more experience in installing and locating antennas. We will have operating slots for just about everything ham radio. If you don't have operating knowledge, this is the time to learn through first hand experience. We will have operators help you in areas you need. Don't be afraid to try because we all started the same way.

We are planning to try a new vertical receive only antenna for our CW stations and hope this reduces the interference. The food is always wonderful and we get to experience many new dishes furnished by our members. Lynn Kahn does a tremendous job coordinating this effort. Bring friends and introduce them to ham radio. Don't miss this opportunity to continue your Ham Radio fun.

I hope everyone had a good time at Dayton and/or the Atlanta Hamfest. NFARL had an exceptional day selling at the Atlanta Hamfest. We sold a lot of the Scott Dunbar Estate, which is going to the children's education. The event was a success considering this is the first one they have had in several years. Let's help them make it better next year.

If anyone has recently purchased a new radio, please share your thoughts with our NFARL Members and friends. All of us are interested in any new radio on the market. This gives us information about putting it on our wish list or placing it on the shelf for further review. I will begin this effort by telling you about the Yaesu FT DX 10. The filtering in this radio is very good and it makes a good SSB or CW platform. I was not especially fond of the colors on the display as shipped: however, after changing the background, it is just fine. The audio is excellent and I understand the reception at the other end is as well. This is surely a very good purchase for an SDR Radio. Several of our members have the new Elecraft K4's and Yaesu FT 101MP'S. Let us know what you think about these or others.

Have a wonderful and safe month.

73

John Norris N4IHV

2022 NFARL President

Congratulations to the June VE Candidates- / Wes Lamboley, W3WL

Join me as we congratulate our successful June 2022 VE Test Candidates! All five successfully achieved their testing goals. Please take a few minutes to congratulate and welcome each to the club at your next opportunity!

Candidate Name	Call (if applicable)	Test
Cody Tawfik		Tech/General
Bill Barrett		Tech
Justin Jenkins		Tech
Logan Jenkins		Tech
Bill Van Fleit	KO4FOZ	General

We also want to thank or VE Team and Slope's BBQ for their support in the VE Testing endeavor. Without participation from these folks we would be hard pressed to maintain our club's reputation in offering the VE Test program. Please don't forget to thank Ian and VE Team along with the folks at Slope's for their support!

DX Youth Adventure / Wes Lamboley, W3WL

One of the youth-centered activities that the NFARL YESA (Youth Education, Scholarship and Activities) committee helps pay for is the Youth DX Adventure. Monies received from our annual HamJam get-together in November is the source of most of our revenue for these types of expense. In the past we have been able to underwrite the selection of many exceptional youth to participate in the DX adventure, including Edward Doyle, KJ4NRL, Ruth Willet, KM4LAO, Audrey McElroy, KM4BUN and Jack McElroy, KM4ZIR.

This year, thanks to Martha Muir, W4MSA, we were fortunate to have urged the selection of Tom (TJ) Hardin, KO4FFA, as the youth from our area to participate. TJ and his dad will be going on the Adventure; the following information and links will allow you to learn more about them and the YDXA program!

The YDXA 2022 trip to Signalpoint Curacao (PJ2T) is just around the corner. Tickets purchased, housing obtained, and PJ2T confirmed. Three youth from Ohio, Georgia and Colorado with parent (https://www.qsl.net/n6jrl/2022_Team/2022_team.html) are ready to go. They are scheduled to arrive the afternoon of July 14, 2022. They have obtained the PJ2Y special event call from the Curacao Bureau.

They hope to be QRV in the early evening of the 14th.. The plan is to have at least two radios on the air as much as possible. They should go QRT midday July 19. They may go QRT for a short time during the visit to provide some sight-seeing and they will update their plan once getting there.

Their website is www.qsl.net/n6jrl and will be updated during the operation. The internet at the station is being upgraded and they hope there is minimum interruption to uploading on Clublog. They also plan to upload to LotW periodically.

Please take the time to follow the link to the website and learn more about the YDXA program and especially about young TJ Hardin!

14th Annual Fourth of July 13 Colonies Special Event- / Mike, KN4OAK

Ready for another fun amateur radio event? Sure you are! The annual "13 Colonies Special Event" begins on July 1, 2022. It continues until July 7, 2022. The states stemming from the original 13 Colonies operate special event stations in this event. It's a fun contest to participate in, where the goal is to chase the special event stations, get a clean sweep and submit a donation for a participation certificate. Check out the contest website at <http://www.13colonies.us/> for details on the modes and exchange, as well as event station websites.

In Georgia, Nathan Wood K4NHW, operates the special event station "K2G" and acts as the QSL Manager for the state of Georgia as well. Nathan enjoys QSL, so now is a great time for you to refresh your QSL operations if needed so you'll be ready to extend your enjoyment in the "13 Colonies Special Event" If you have any questions regarding the state event, contact Nathan at K4NHW@arrl.net. Check Nathan's 13 Colonies website out at <http://www.k4nhw.com/13c/> for more info on the K2G calendar, QSL card design, and other activities Nathan gets involved in.

Around the Shack/ Hal Kennedy, N4GG

We're sorry that we are unable to bring you Hal's article this month. We received part of the electronic transmission, but were not able to receive all of it in time for publication. Hopefully we'll get things straightened out and Hal's feature will be back next month!

Sincerely, Mike Riley KN4OAK

NFARL eNEWS Editor

Daniel Crenshaw KJ4QYR, Joins NFARL eNEWS- / Mike, KN4OAK

If you've been involved in our club meetings during the last year, you've undoubtedly met Daniel Crenshaw, KJ4QYR. Daniel has been involved in ham radio since 2009, He's become one of the "go to" contacts in regard to programming handhelds. Daniel's shack is equipped with some nice gear and he's well versed on ham equipment currently on the market. You can find out more about Daniel from his QRZ page and by chatting with him in person.

Daniel has answered the call for assistance with the eNEWS operations. For that, I am greatly appreciative. Look for Daniel's upcoming contributions in future editions of the NFARL eNEWS. Please take a minute to thank Daniel for volunteering with the eNEWS operations!

Receive Antenna? What is it?- / Mike, KN4OAK

A transducer is defined as a device that converts variations of physical quantity such as pressure or brightness into an electrical signal, or vice versa. Antennae function as a transducer by either capturing energy from the electromagnetic energy fields around them and converting to an electrical signal that can be used by the radio to interpret the information contained within the radiation, or as a means to convert the electrical signal generated by a transmitter into electromagnetic energy and radiate it into the space it is within. So physical characteristics that are used to describe antenna design and behavior are generally the same for antennae used in either a transmitting or reception function. So why would some try to distinguish between the two by labeling receive or transmit? Or, by using more than one antenna to perform both functions?

An analogy to the transmitter and receiving antennae might be the comparison to an inclined plane and a screw. They both can be thought of as a means to translate the position of a body or force through an applied force along an axis. The screw can be thought of as an inclined plane wound around a central axis normal to the base of the incline. Each is configured to function they are applied to.

NFARL will be deploying a receive antenna during the 2022 ARRL Field Day event. Why? To optimize our ability to capture signals that are either "weak" and or subject to effects of signals being transmitted by the transmit antenna. Come see what the differences are, what effects can be observed, and how the results are used. Bring your questions on design, construction factors as well the operational concerns to Field Day!

Extra Extra! / From the Extra Class Question Pool

New info for Technicians and Generals and a refresher for Extra Class Licensees!



3C06

By how much does the VHF/UHF radio horizon distance exceed the geometric horizon?

- A. By approximately four times the distance
- B. By approximately 50 percent of the distance
- C. By approximately 15 percent of the distance
- D. By approximately twice the distance

See answer on the last page!

The new Amateur Extra-class license examination question pool, effective from July 1, 2020, through June 30, 2024, has been released and is available at the National Conference of Volunteer Coordinators (NCVEC) [website](#). Note the new Technician class license examination question pool will be effective July 1, 2022.


Ian NV4C and his team hold license test sessions on the second Saturday of each month. For more information including upcoming test dates, [click here](#).

Contest Corner

These are some contests and events besides the "routine K1USN, CWops, and other organizational events" scheduled to occur the near future

Contest Name	Time & Date
+ ARRL Field Day	1800Z, Jun 25 to 2100Z, Jun 26
13 Colonies Special Event	July 1- July 7, 2022
+ RAC Canada Day Contest	0000Z-2359Z, Jul 1
+ Walk for the Bacon QRP Contest	0000Z-0100Z, Jul 7 and 0200Z-0300Z, Jul 8

NFARL Upcoming Events and Dates

- **Every Sunday — NFARES net** - 8:30 PM - 147.06 MHz (+) PL 100
All licensed hams are welcome, you do not need to be an ARES member!
Check NFARES.org for more information.
- **Every Monday — Tech Talk** - 8:30 PM - 145.47 MHz (-) PL 100
NFARL's flagship technical based "non check-in" net. The net is always better when using the web based chat room (Discord) but Internet is not required to join the net.
Check [NFARL Nets](http://NFARL_Nets) for more information and "how to". Here's the link to the NFARL server on Discord web app <https://discord.gg/spr2a9D>
- **Every Wednesday — Hungry Hams Lunch Bunch** - 11:15 AM
Location: Slope's BBQ, 34 East Crossville Road, Roswell, GA 30075
(770) 518-7000

Dining Room is OPEN. Get Take Out if you can't stay!
- **Every Thursday — YL Net** — 8:00 PM - 9:30 PM - 145.47 MHz (-) PL 100
Check NFARL Nets website for "how to." This is a great opportunity for YL's to get on the radio with other YL's! OM's (guys) are welcome to listen in to this YL net.
- **Every Wednesday — CW CHAT** — 8:00 PM on ZOOM.
New meeting link and credentials:
<https://us06web.zoom.us/j/84722087419?wd=VIN2d0xvQVhKcDIUL0R4N1hQMTQ2UT09>
Meeting ID: 847 2208 7419; Passcode: CW-CHAT
- **Every Saturday — Royal Order of the Olde Geezers "Breakfast"** -
This informal breakfast group on Saturday mornings is **NOT MEETING IN PERSON** during the COVID issue. A notice will be made when in-person meetings commence again.
- **Second Tuesday — NFARES Meeting - July 12, 2022** **Presently- Online meetings only.** Check NFARES.org for more information.
- **Second Saturday — VE Testing - NFARL July 9, 2022 session:**
By reservation only. See the "[Test Sessions](http://Test_Sessions)" web page for details & registration process. Contact Ian at nv4c.ian@gmail.com for questions / concerns / reservations.
- **Third Tuesday— NFARL Club Meeting** - June 22, 2022, 7:30 PM
Live meeting! Preston Ridge Community Center - Zoom Included!
—June 2022 Meeting: "2022 ARRL NFARL Field Day Pregame "(see Page 1)
Door opens at 7 PM for Social Networking. Meeting begins at 7:30 PM
- **Fourth Tuesday — NFARL Executive Team Meeting** - June 28, 2022, 7:00 PM.
Online meeting only — monitor website and NFARL Groups.io reflector for updates.
- **2022 ARRL Field Day** — June 25-26, 2022 Groveway Community Park, Roswell, GA
You don't want to miss this event! (See Page for more info) <http://www.arrl.org/field-day>
- **14th Annual Fourth of July 13 Colonies Special Event** - July 1, 2022 to July 7, 2022. QSO Contest event. Visit <http://www.13colonies.us/> for details on the modes and exchange, as well as event station websites

Contact Us

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North Fulton Amateur Radio League

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nfarl.org

eNEWS can be located online at:
<https://nfarl.org/enews-index>

Club Repeaters

Frequency—Description	P.L. Tone	Location
145.470 (-) EchoLink Node 560686 NF4GA-R	100 Hz	Morgan Falls
147.060 (+) Primary ARES Repeater	100 Hz	Roswell Water Tower
* 224.620 (-) Joint Venture with MATPARC	100 Hz	TBD
443.150 (+)	100 Hz	Roswell Water Tower
444.475 (+)	100 Hz	Morgan Falls
* 927.0125 (-)	146.2 Hz	TBD

* Currently off the air

Club Call signs: NF4GA and K4JJ

Extra Extra answer: C (question E3C06)

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