



ARRL - NFARL 2023 Field Day / Steve Randall, K04VW

The Event Time is Upon Us

Our club is gearing up for one of the most significant annual Amateur Radio events in North America, ARRL Field Day. Most Amateur Radio operators know this event occurs annually on the fourth weekend in June. Those associated with Amateur Radio clubs and the ARRL usually participate in one of the any ways associated with this event, whether from a club sponsored location or their home QTH, or.... There are many ways to do so.

North Fulton Amateur Radio League will following what is becoming a tradition, by holding its Field Day operations at Groveway Community Park in Roswell once again. We plan to enjoy the opportunity to participate with our "off the grid" operations, including the usual NFARES, Phone, CW, GOTA, Satellite and 6M stations. Our annual Field Day picnic this year will kick off with a reading by the City of Roswell proclaiming Amateur Radio Week. Our operations promise to be a "24-hour sprint" (by some of us anyway) to gathering as many QSOs as possible. Class 3A: here we come!

Join us for our monthly club meeting, June 20, 2023 and participate in the "final" 2023 Field Day operating plan review. The Field Day Team will be sharing the operating approach for each station, along with how we intend to set up and tear down the operations. We'll be fielding questions from anyone there and online. We'll be pitching for assistance to fill any remaining open operating time slots and volunteer positions. You'll hear about the picnic operations. All important stuff by which we believe will help make the event a success!

Join us at the Preston Ridge Community Center for the meeting. The meeting location address is 3655 Preston Ridge Road Suite 100, Alpharetta, GA 30005. The facility's doors will open by 7:00PM. Our meeting will begin at 7:30PM and should conclude by 9:00PM. If you're unable to join in person, we'll be running a Zoom conference connection. Here's the link to the invitation: <https://us06web.zoom.us/j/86255827457?pwd=a1FHR3F1bDBqMUVuY3plMDdFa2VMQT09>

Meeting ID: 862 5582 7457

Passcode: 584698

Find your local number: <https://us06web.zoom.us/j/kdQc8IE9oj>

Need more meeting information? Please visit our web page at <https://nfarl.org/club-meetings/>

We are looking forward to seeing you Tuesday evening!

Where is Amateur Radio Taking You?

Why do Amateur Radio operators enjoy this hobby? Is it because it's constantly evolving? Is it because it involves sporting aspects such as hiking, outdoor operations, and or contesting? Do participants want to give back to their communities through public service which involves RF communications? Do they like the hands on aspects of technology involved? Is it because one can communicate with others on a live basis worldwide? Whatever the reason, ongoing individual participation usually is connected to personal satisfaction derived from some aspect(s) related to how well the individual's expectation in participation actually turned out. Another words, does the individual enjoy what he or she does?

Participation in Amateur Radio by including membership and participation in a club such as NFARL, is a great way to expand one's engagement in the hobby. Our club has so many folks with different backgrounds, who as members, can be great sources of information and expertise to others who may be in search of their knowledge and skill. However, just because a pool of resources might be present as a result of collective capability, there's no guarantee it will be of value if the interests and associated needs of potential users can't be met.

One line of curiosity that is important to our club is sustainability. Not so much as in an environmentalist viewpoint, but more so in a socio-organizational perspective. Put basically; what is it the club needs to do to be capable of sustaining the interest and willingness to participate by current and future members in Amateur Radio?

We just completed a successful "Ham Camp" event. What should we do next? Repeat the event? Scale it back a bit to make it more accessible to a wider audience? Focus on enabling those who just received a Technician license to obtain a General license? Start a school club? Lot of great ideas, but we need to get a better understanding of membership needs before we put all our available resources towards any one direction. This is an opportunity for you, as a club members and individual Amateur Radio participants, to help us out. Tell us what interests you in regard to your Amateur Radio participation. What do you get enjoyment and satisfaction from? How might the club be a potential resource for something you are doing or would like to do? Additionally- we need to know what to stop doing if it doesn't provide value. Please tell us that as well! We don't want to inadvertently waste resources attempting to do something that brings little or no value.

Things we ought to consider to make the membership experience valuable don't always need to require big investments. They can be simple, like a way for improving communication between members, conducting operational training on programming and use of your hand held transceiver, or showing you how to take advantage of the club Discord web app. Just tell us what you're interested in so we can investigate how to help.

You can contact any of the Board members, Leadership Team or someone you feel might be best to help share your interests and concerns, in order to provide input. You can use the club reflector or the eNEWS "Letter to the Editor" column to help express ideas and or constructive viewpoints and invite feedback. Any of these actions can provide value to how we continue the successful NFARL operations.

Thanks in advance for your continued interest and participation in the NFARL organization!

73,

Mike KN4OAK

Atop Stone Mountain / Clyde McClain, AK4TL

Sunday Afternoon Time Well Spent

I needed some exercise on the late afternoon of Sunday June 11, 2023. It was also a great excuse for me to get another annual sticker pass for parking at Stone Mountain Park for one of my vehicles. Admission has always been free as the Park is currently run, but parking is not free. I felt like taking my KX2 HF transceiver with the extra optional 17, 20 meter vertical antenna which attaches directly with a BNC connector. Also included were the little feet, an option. Previously, I soldered on an Anderson Powerpole connections for a battery. The battery held the antenna in place at times, with gusty winds coming from the southwest before the thunderstorm arrived. Things looked well to the northeast of course, as I listened to Amir, north of Tel Aviv and others with maybe more power than I, making contacts while I had fun trying. Both 17M and 20M were active. Sprinkles of rain began as I packed up and ran down the mountain. Maybe a bigger battery and a 100 watt transceiver next time, and the KX2 too. Maybe earlier in the day, like sunrise. It was good to get back to the van, as I had snacks there.

Clyde McClain AK4TL.



Antenna Disconnect / Dave Bisciotti, KO4USA

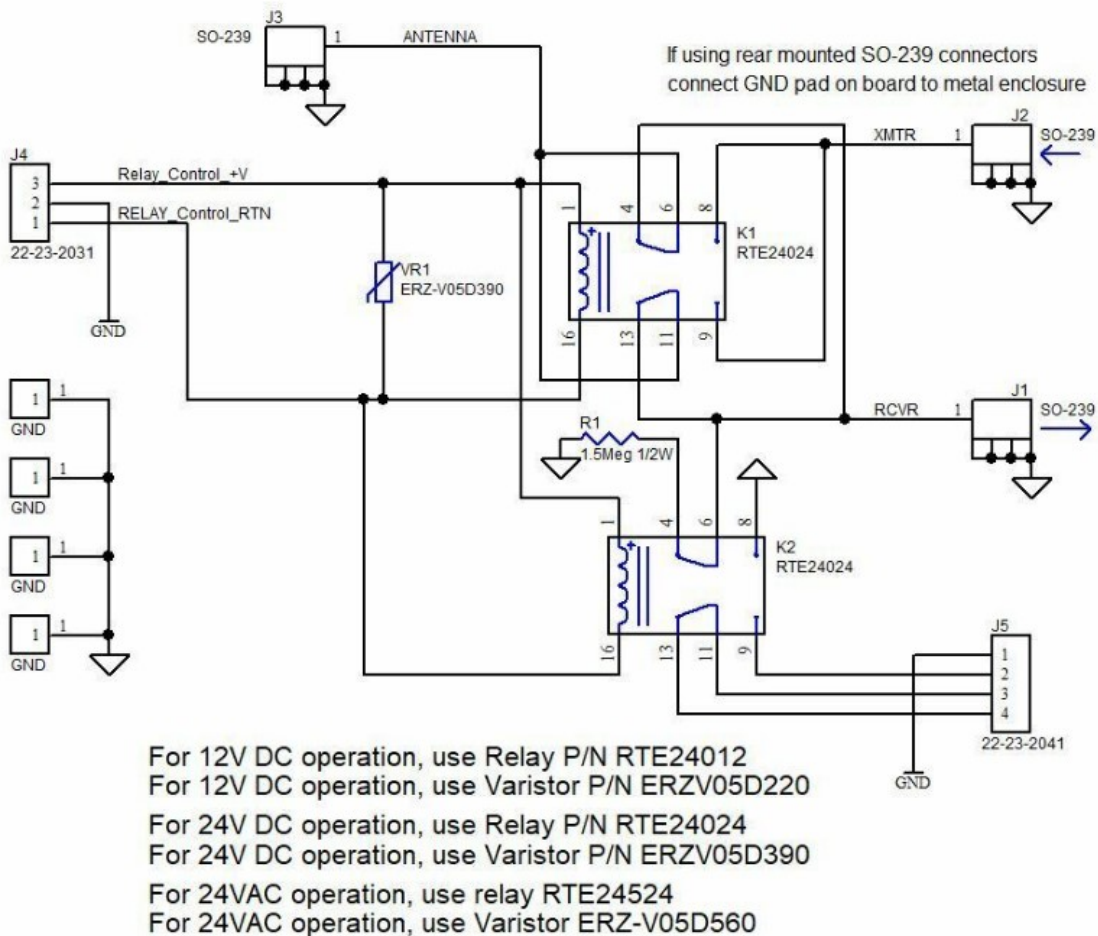
Have you ever forgotten to disconnect your antenna when the thunderstorms are in the area? Wouldn't it be nice to know that if your system is powered off, your antenna would automatically be disconnected and grounded? Well, here is a very simple project that will accomplish exactly what we need.

I made several attempts to make a device from "Scratch" (See Figure 1) with marginal success. The bench tests revealed that as the Antenna Disconnect Device was used at higher frequencies (greater than 15 MHz), the SWR and Insertion losses increased. Not satisfied with the results, I hunted for a circuit card that was already manufactured and could perhaps be modified to suit my objectives. I found just such a card on eBay – it was a TR switch (See figure 2). (A TR Switch is a device that is commonly used to connect a single transceiver to two different antennas – one for receive and one for transmit).



With a couple of minor modifications to the cir-

Figure 1 First two attempts



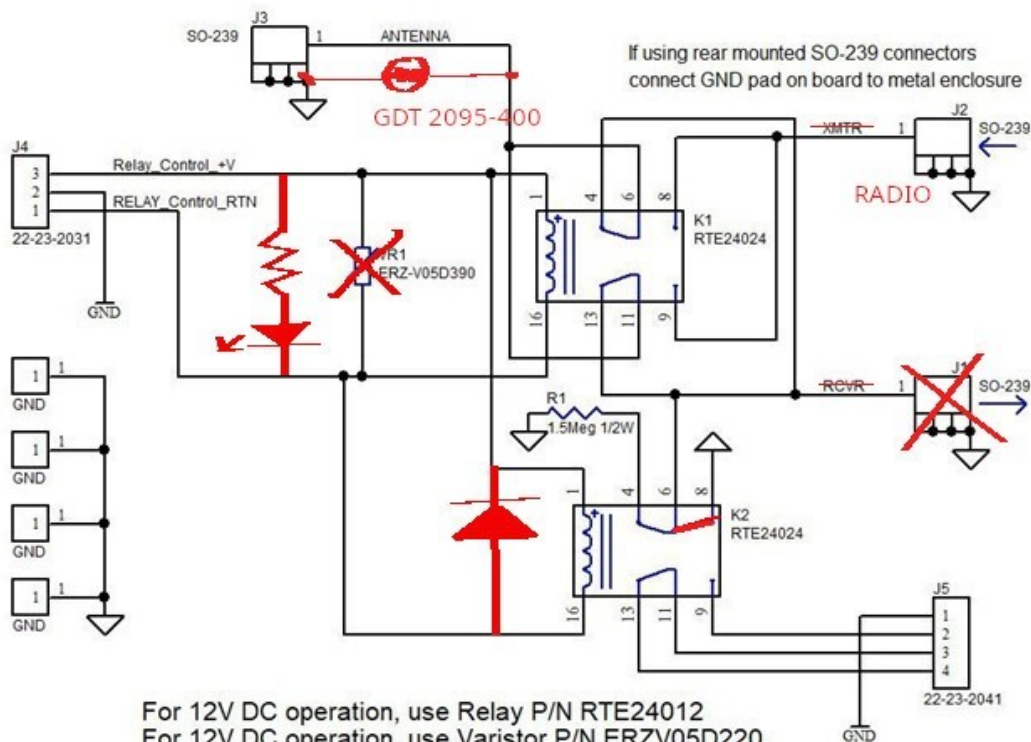
TR switch schematic from eBay—Figure 2

Continued on next page—

cuit card, and mounting it in a nice metal case, the switch performs with a flat 1:1 SWR and extremely low insertion loss (less than .25dB loss) up to 60 Mhz.

Here's what needs to be done to the card (See Figure 3):

1. Jumper (short) the solder pads labeled 6,8 on K2's circuit card's trace.
2. Add a 1N4007 diode across pins 1,16 on either of the relay's armature pins (pins 1,16) – pay attention to the orientation – this is reversed biased to "snub" out counter EMF from the relay's coil
3. OPTIONAL Power State LED Indicator– Add a LED and a 220 ohm Resistor across the relay's armature to show when the device is ON
4. Relay K2 is not needed and does not need to be mounted.
5. I also added a Gas Discharge tube on the antenna input (Digikey Part Number 2095-400- BLF-ND – This is a Gas Discharge Tube rated at 4000V 5KA)



For 12V DC operation, use Relay P/N RTE24012
For 12V DC operation, use Varistor P/N ERZV05D220
For 24V DC operation, use Relay P/N RTE24024
For 24V DC operation, use Varistor P/N ERZV05D390
For 24VAC operation, use relay RTE24524
For 24VAC operation, use Varistor ERZ-V05D560

Figure 3– Card Modifications

Continued on next page—

Antenna Disconnect / Dave Bisciotti, KO4USA *Continued from Previous Page*

The relay I used was a 12 Volt version and the device connected to my radio's power supply. When the radio's power supply is on, the antenna is connected. When the power supply is off, the antenna is grounded. While this will not protect you from a direct lightning strike, it will keep your radio safe from static build up on the antenna and indirect lighting strikes that could come down your feedline.

As I routinely run my shack remotely, (powering on and off via the internet) – this little add-on gives me some peace of mind with leaving my antenna cables connected when I am away from home. Al toll, this cost me about \$25.00 to build. Similar devices on the market cost in excess of \$125.00 (See <https://paradanradio.com/products/antenna-disconnect>)

Have a look at the homebrew version.



Figure 4



Figure 5

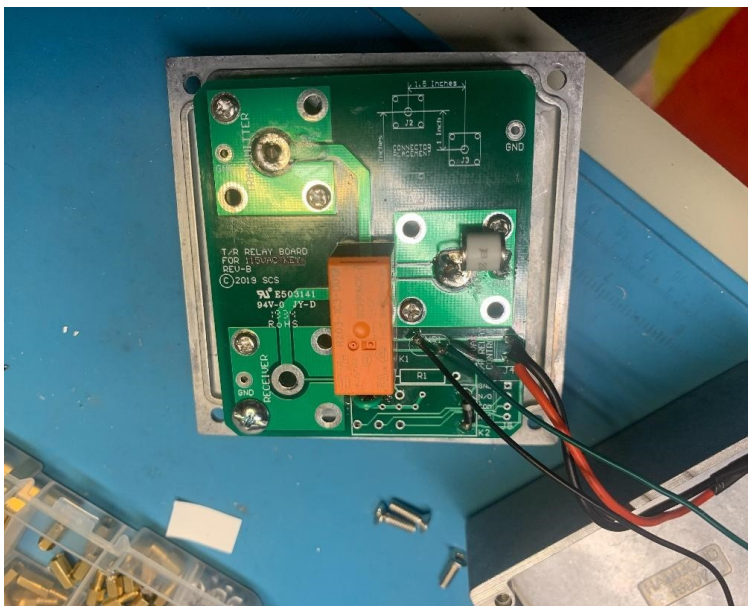


Figure 6

Continued on next page—

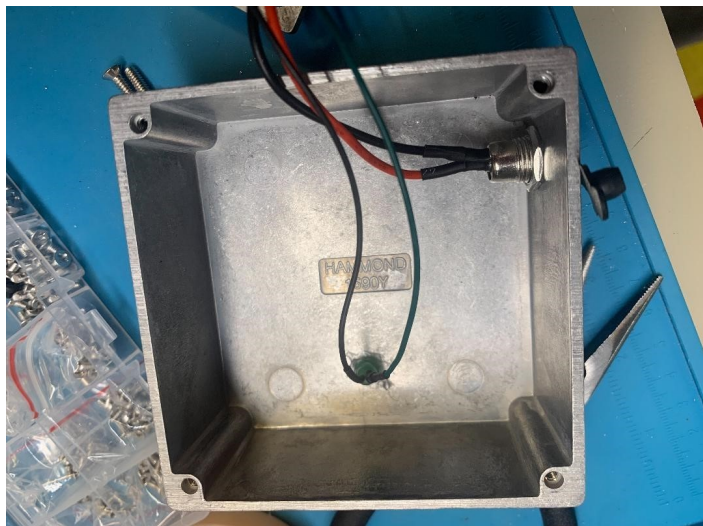


Figure 7

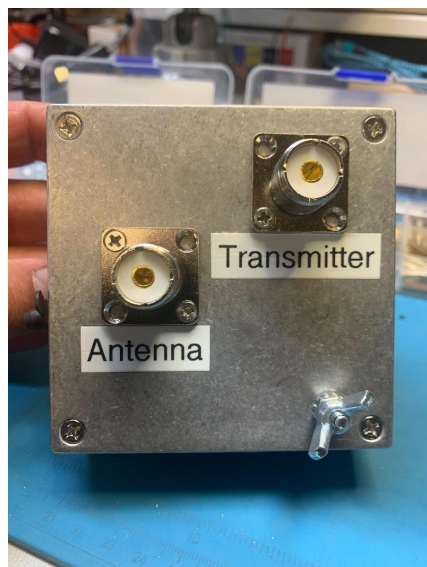


Figure 8

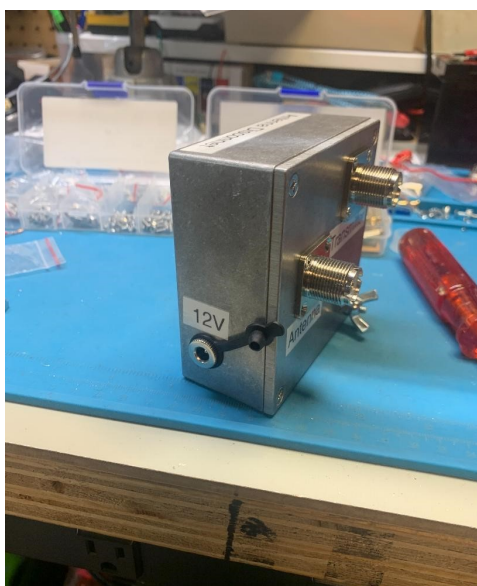


Figure 9



Figure 10

The device has been in place for several months with out any ill effects on the system. I am very pleased with the project.

If you have interest in building one or questions, please contact me.

Dave Bisciotti
KO4USA

US isl US Islands Awards Program


HOME | ABOUT | RULES | FAQ | AWARDS | ISLAND DIRECTORY | CALENDAR | QSO PARTY | PHOTOS | BLOG | LINKS | DLS

> Return to Main Island Directory

Georgia

75 :Islands
53 :Qualified
22 :Not Qualified

Search:

ISLAND NAME	NUMBER	MAP	LAKE / RIVER / GROUP	COUNTY	IOTA	QUALIFIED BY	LOCATION & NOTES
St Catherines	GA010S		Sapelo Sound	Liberty	NA058	W4UTX	

Showing 1 to 1 of 1 entries (filtered from 77 total entries)

During the weekend of May 28-29, accompanied by my son and brother, I operated from St. Catherine’s Island off the Georgia coast below Savannah. St. Catherine’s Island is a barrier island that is about 22,000 acres, or approximately 35 square miles.

This was my second attempt to qualify the island after my original effort failed to achieve the required 15 contacts due to weather and antenna issues. This time it was also Memorial Day weekend, so a particularly large crowd was on the 20m band.

The island was designated as GA010 by U.S. Islands Awards Program, and that is the designation that we used during operation.

I’ve learned a lot during my two trips to the island, the most important lesson, however, is to make a couple of dry runs in advance to know exactly where each piece of equipment is located. A close second, lesson-wise, is to make sure you bring enough sunscreen.

My brother was the host of this venture, and he has a growing interest in amateur radio. Also, he’s the one with the boat; there is no access to the island otherwise. My son, who still sees amateur radio as ‘Dad’s hobby’, is not as interested, but is always up for a good boat ride.

We were rained out on our planned Saturday event, but were fortunate enough that Sunday that the weather was better and there was a rising tide during the course of our trip. That makes the boating a lot safer. It’s about a 45-minute boat ride down the Jericho River from my brother’s dock to St. Catherine’s Island.

Having dropped anchor at one end of a rather busy beach, we set up in a relatively short time. Our rig consisted of an Icom IC 706MK-IIIG and a MFJ-2289 dual-whip antenna tuned to the 20m band. Traffic was slow during the day, but picked up significantly as the sun went down.

Several groups of Memorial Day revelers came to ask what we were doing. After my lead from the first couple of groups, my brother and son were also ready to talk to the curious.

Continued on next page—

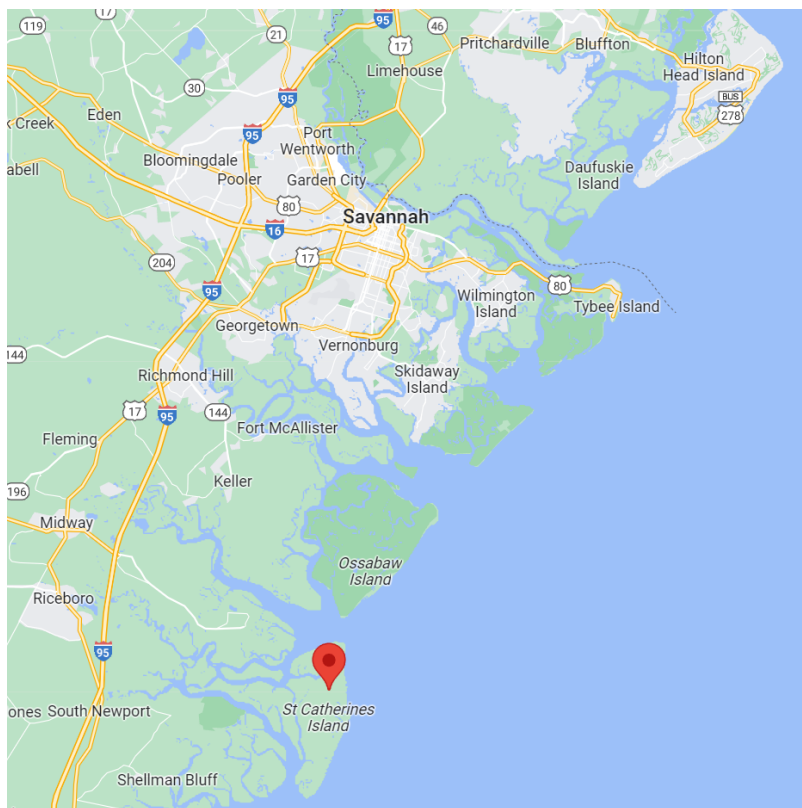
Island Update / Mark Bundy, W4UTX *Continued from Previous Page*

By late evening, we finally got on somewhat of a roll and ended up making 26 contacts. Using the phrase "Island to Park" also got the attention of several National Park operators.

As of now, St. Catherine's island is designated as GA010S. Time to find another island.

73,

Mark W4UTX



<https://www.google.com/maps/place/31%C2%B039'25.0%22N+81%C2%B009'05.0%22W/@31.7678721,-81.1127469,10z/data=!4m4!3m3!8m2!3d31.6569444!4d-81.1513889?hl=en&entry=ttu>

Field Day Sign-up Sheets are Now Open / Bill Cobb K4YJJ

The 2023ARRL/ NFARL Field Day sign up sheets have been posted to the website. They are located [here](#) on the NFARL Field Day webpage. Please review the volunteer and team position opportunities at your earliest convenience and sign up for the team and time slots of your choice.

Selecting the link you choose will bring you to a Google Form or the operating schedule Sheet located on line. When you fill out a Google Form, the information is automatically transferred to the related Team sheet (list). Remember to select and fill out a Google Form for each individual team position you wish to sign up for.

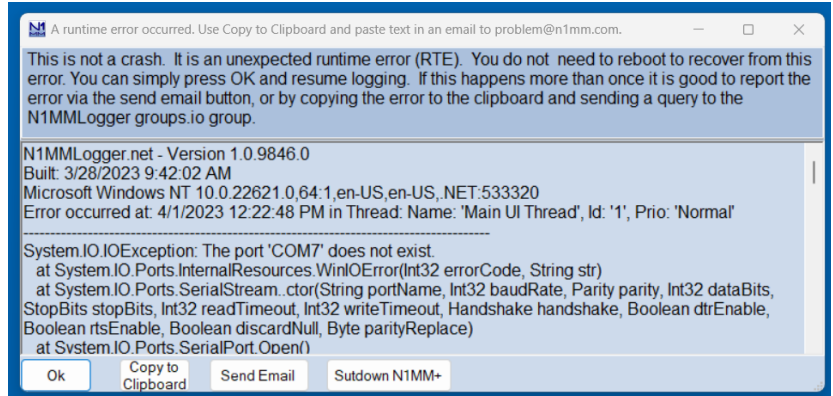
If by some chance, you sign up for a Team or Operating Schedule time slot today, and discover in the future that you need to make a change, you can do so. Just open the Operating schedule of responses file and make the change needed. Don't forget to drop an email to the Team captain to ensure they are informed of the change.

Thanks for your consideration in this year's Field Day event!



Mystery Pop-up Message Appears One Day...

I'll get right to it. I use N1MM+ for logging everything. However, one day when I started N1MM, I got this pop-up message. At first I was very suspicious that it was a Trojan horse, spam, ransomware, etc.. Working in IT, I NEVER and I mean NEVER, click on anything looking this suspicious.



I researched the error a bit and did what most of us probably wouldn't do; I emailed N1MM support.

To my surprise, the next morning I got a response from them:

Tony,

For some reason a com port has been added to the Digital window settings for the CW reader. But that COM Port is non existent. The best way to fix this is stop N1MM and switch into the c:\Users\Documents\N1MM Logger+ directory and double click on the file named N1MM Logger+.ini and it will open the .ini file. Then do a search in the .ini for a line that contains COM7. When you find that line delete it and save the .ini file. Then try opening up N1MM and see if it clears the issue. If not send me your .ini file and I will look thru it to see if I can find what else could be causing it.

73 Rick N2AMG

I followed their instructions, found and eliminated the suspected entry. Everything is good now. Hope this helps someone who experiences the same error. Also, be thankful to the team that built this great program.

73s..

Tony WA3TRA

Minimizing Field Day Inter-station Interference – An Approach

The Approach in a Nutshell

Erect a 25 foot vertical 500 ft. away from the transmit antennas. This non-resonant antenna is for receive-only, to be used by all the rigs on HF bands.

Connect the vertical to the shack with 500 ft. of RG6/U. Connect the shack end of the coax to the receive antenna jack on the rigs. You will need rigs that have this capability.

Construction Notes

- I've made this antenna by taping #24 speaker wire to a telescoping fiberglass pole as I pushed it up. At the bottom I've used four 25 foot radials made from the same wire. At the top I've used 50 lb. fishing line coming down at roughly 45 degrees as guy wires. It's wise to tie a few streamers onto the guy wires to keep people from walking into them. The radiating wire, radials and a coax connector can be soldered together prior to arriving at FD.

- If you can't manage 500 feet of separation then get as much as you can.

- The vertical should be 25 feet tall plus or minus a foot or two. At this height the antenna is not resonant on any of the ham bands and sufficiently tall to provide adequate signal strength.

- 500 ft. rolls of RG6/U are surprisingly inexpensive. Home Depot sells them for \$48. I bought mine on eBay for \$36. See Figure 1.

- Two people can deploy the coax by sticking stout screwdrivers or a piece of pipe into a 500 ft. reel and walking it out. When you run out of cable, that's where the antenna goes.

- If possible, the broadside of horizontal antennas such as dipoles and Yagis should face the vertical. If the physical layout of the site won't accommodate that, get as close to perpendicular as you can. This is counterintuitive. More on this below.

- Connect the shack end of the feedline to the "receive antenna" jack on the rigs. Multiple rigs can be connected in parallel. The connection can be daisy-chained from one rig to the next or split using tee connectors. An exception to this is if you have one or more Elecraft K3s on site. K3s short the receive antenna jack when transmitting. To feed multiple rigs when there are one or more K3s, splitters (Magic-Ts) will be needed.



Figure 1— RG6/U

Continued on next page—

- A preamp at the base of the vertical is not absolute necessary but is helpful, particularly if there are a lot of rigs involved. I have used a DX Engineering model RPA1; unfortunately these are no longer produced. [Note: If you ever see one, buy it.] Any high dynamic range preamp will do. The preamp can be powered by a battery or by +13.5 VDC sent down the coax using a T-power insertion device (MFJ-4116). If you power the preamp via the coax, USE A LINEAR SUPPLY for the +13.5 VDC source.

Bandpass Filters as an Alternative

Single-band BPFs are a good approach. In many cases however, 40 to 45 dB of isolation is about their limit and that's barely enough. Most (not all) antenna orientations at FD are good for 10 to 20 dB of isolation, so 40 dB from a BPF and another 10 to 20 dB from antenna separation works okay. All the antennas will be within each other's near-field however. Results can deviate widely from modeling predictions and from experienced-based expectations.

BPF cons:

- They are expensive and you will need five – one for each band (six if you want to operate on 160).

- They are fragile. If you transmit into one on the wrong band you stand a good chance of damaging it. As an example - someone moves from 20 to 40 meters and forgets to change the BPF. Transmitting on 40 into a 20 meter BPF can damage it. The ability to repair BPFs seldom exists at FD. Countless BPFs have come to my workbench for repair, typically right after FD and major contests. You have to remember to move BPFs from rig to rig - a pain in the neck.

- The advent of GOTA stations has caused the desire to, at times, run two rigs on the same band at the same time. BPFs do not address this scenario, a distant receive vertical does.

Why should a vertical face a transmit dipole's broadside lobe?

Horizontal dipoles and Yagis have two attributes we tend to accept without question. These are;

- 1) the peak radiation occurs broadside to the wire or driven element and,
- 2) 2) the radiation from a horizontal dipole or Yagi is horizontally polarized.

These attributes are, however, only first-order approximations. To minimize interference at FD, every dB of isolation counts. First-order approximations are not sufficient to get a vertical antenna and a horizontal dipole oriented to maximize isolation.

Horizontal dipoles produce some vertically polarized radiation. The vertical radiation from a horizontal dipole comes off the ends, not broadside to the wire. The peak vertically polarized radiation is approximately 20 dB down from the peak horizontally polarized radiation and that's large enough to matter if we are trying for the maximum isolation possible.

Continued on next page—

Figure 2 shows the radiation pattern for a 40 meter dipole 30 feet above the ground. The figure shows the radiation pattern in a way we seldom look at it – with the horizontally and vertically polarized components shown separately.

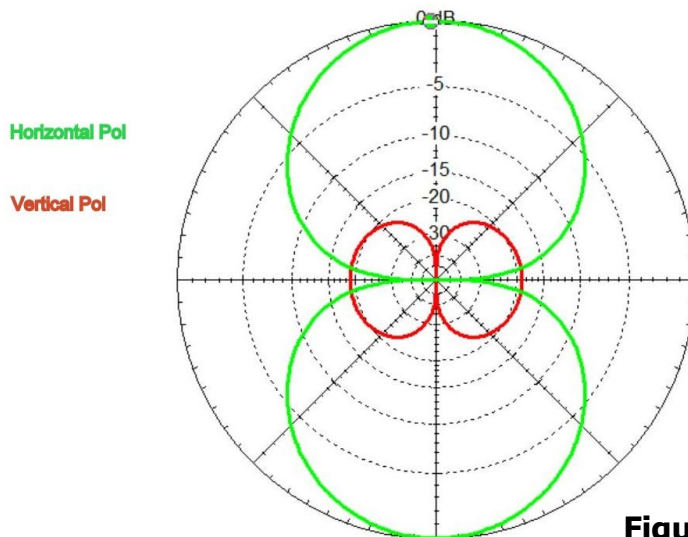


Figure 2

In the figure the dipole wire runs horizontally across the middle of the chart. The large green lobes are broadside to the wire – this is just as we expect for a dipole. But, look at the red lobes. That is the vertically polarized radiation. The peak vertically polarized radiation occurs perpendicular to the peak horizontally polarized radiation. There is a deep null in the vertically polarized radiation broadside to the wire. Placing a vertical receive antenna in the vertical radiation null yields the best isolation.

Some Closing Notes

To further reduce inter-station interference, use the best rigs you can get. By “best” I mean those with the highest blocking dynamic range. The latest rigs (SDR hybrids) such as the FTdx10, FTdx-101, FLEX 6700 and Elecraft K3S are examples of high dynamic range radios. You can use Rob Sherwood’s receiver test data to find the rigs currently at the state-of-the-art:

<http://www.sherweng.com/table.html>

The FD rules state: *"All equipment (including antennas) must lie within a circle whose diameter does not exceed 300 meters (1000 feet)."* The receiving antenna described here could be put as far away as 1,000 ft. from the rigs and still meet the rules. (The rigs on one edge of a 1,000 ft. circle, the receive-only vertical on the opposite edge). I’ve used this antenna at several FDs with 500 foot spacing and that has proven to be sufficient.

Training operators to set the rigs to the receive antenna is problematic – it’s an easy thing to miss. Most rigs store the antenna selection, by band, in memory. Every band on every rig has to be set to the receive antenna input. Training operators to change BPFs is also challenging, and mistakes have dire consequences!

73,

Hal N4GG

Youth Focused Activity Proves Successful

In December 2022, NFARL began discussing the possibility of conducting a “Ham Camp” with The Computer Museum of America. The museum is located in Roswell, at 5000 Commerce Parkway, just a block off Route 9 N. This is a great museum of computer artifacts that focus on technology and innovation.

Computer Museum of America (CMoA) conducted the camp “Amateur Radio for Kids” as part of its Summer Camps program (computermuseumofamerica.org/calendar). NFARL conducted the camp in cooperation with CMoA, during the week of June 5, 2023. Campers were provided the opportunity to learn basics of the science behind Amateur Radio and obtain their Technician license. Campers also built 2M/70cM Tape Measure Yagi antennas, NFARL CPO Kits, programmed UV-5R hand held dual band transceivers, conducted a fox hunt and completed the license testing. All of the campers successfully passed their exams and are awaiting their call signs from the FCC.

Our thanks go to Becah Jubon, W3BEC, Education and Public Programs Manager at CMoA, Martha Muir W4MSA, Wes Lamboley W3WL, John Norris N4IHV, Dave Bisciotti KO4USA, Lee Johnson N4WYE, Tim Lemmon WK4U, Ian Kahn NV4C, Steve Knittel AB4TT for making the event a success. Congratulations go to Wesley Wages of Roswell, Everett LeVasseur of Woodstock, and Samuel Berman of Alpharetta for successfully completing the camp program, including passing their Technician license examination.



Wesley, Sam & Everett



Letter to the Editor / enews@nfarl.org

Well, we didn't receive any "Letters" this month. However, that just indicates we didn't effectively communicate the opportunity for you to use this new eNEWS tool.

You can use this space to present your opinion or idea on club activities we currently undertake, things we should consider doing in the future or other Amateur Radio related matters in a constructive manner, to get feedback, promote further discussion, or....

To do so, write up your article, question or proposal and submit it to enews@nfarl.org

GRADUATING CLASS OF JUNE, 2023

Saturday, June 10th, was a special day at Slope's Barbecue this month, as seven people passed their Amateur Radio license tests, and four were youths! That is coupled with three other rising 8th graders that successfully completed our Ham Radio Camp at the Computer Museum of America the day before. These event bring the total new hams under the age of 21 to seven - that's 7!!!! They all plan to be at Field Day, so be sure to congratulate them.

First on the list is **Anya Iyer**. She is a rising 8th grader as well and goes to Webb Bridge Middle School. She just missed out on the ARISS contact at Webb Bridge, as only the 6th graders were involved. Born one year too soon. Her brother, **Arya Iyer** will be a sophomore at Alpharetta High, and went to Webb Bridge as well. They both obtained their Technician class license. They are the daughter and son of Rahul Iyer - KK2RN. Rahul is a NFARL member and will be helping out with the Radio Merit Badge class on Saturday morning during our Field Day event.

Next are the Kent family. **Jacob Kent** is 16 and is working on becoming a software engineer. His sister, **Rebecca Kent** is a sophomore in college and working on becoming a certified medical billing professional. Both obtained their Technician license. Their dad, Steve Kent - N4MSK is a member of NFARL and very active in the ARES group.

Bill Carter obtained his Technician license as well. Bill got his Novice license back in the '60s but let it lapse. He did, however, go on into the National Guard and was a radio operator, who could do 25 words per minute code in solid fashion. Bill may be the ultimate ringer for the GO-TA station this year at Field Day. Bill rekindled his interest in ham radio recently and now has the time to go all out.

Abby Wells got her Technician license as well. She is very interested in ham radio and its connection with Homeland Security and Public Safety, as she works as a consultant in that area of the U. S. Government. She wants to learn all she can by getting hands-on experience with ham radio and especially the ARES side of the hobby.

Nathan Wilson - KQ4DJJ got his General. Nathan is retired military and was a logistic expert while serving. He wanted something different to do and decided ham radio was that thing. He recently got his Technician license and is now a General!

Thus ends the testing at Slope's, but wait - there's more! Bill Largin - KN4DLE and his group put on a terrific live demonstration of the ARES capabilities on the porch at Slope's. This was the icing on the cake, and garnered a lot of attention from the test takers.

Friday, June 9th set the pace for Saturday's results. Three rising eight graders who participated in the Computer Museum of America's Ham Camp also passed the Technician license exam! Congratulations to **Everett LeVasseur**, **Wesley Wages**, and **Samuel Berman**! You can read about the Ham Camp adventure in the article on page__ in this eNEWS edition.

I'd be remiss if I didn't take a moment to thank our VE Team for their efforts in supporting these test candidates. Thanks to Ian NV4C and the others on the VE Team for their time and effort to oversee the test activities! Your support is very much appreciated!

That is it for the month of June. I hope to see everyone at Field Day!!

Best,

Wes - W3WL

Extra Extra! / From the Extra Class Question Pool

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



E1F01

On what frequencies are spread spectrum transmissions permitted?

- A. Only on amateur frequencies above 50 MHz
- B. Only on amateur frequencies above 222 MHz
- C. Only on amateur frequencies above 420 MHz
- D. Only on amateur frequencies above 144 MHz

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 is 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
+ NAQCC CW Sprint	0030Z-0230Z, Jun 21
+ ARRL Field Day	1800Z, Jun 24 to 2100Z, Jun 25
+ QCX Challenge	1300Z-1400Z, Jun 26
+ QCX Challenge	1900Z-2000Z, Jun 26
+ RSGB FT4 Contest	1900Z-2030Z, Jun 26
+ QCX Challenge	0300Z-0400Z, Jun 27
+ SKCC Sprint	0000Z-0200Z, Jun 28
+ RAC Canada Day Contest	0000Z-2359Z, Jul 1
+ Venezuelan Ind. Day Contest	0000Z-2359Z, Jul 1
The Annual 13 Colonies Special Event	1300Z, July 1 to 0400Z, July 8
+ SKCC Weekend Sprintathon	1200Z, Jul 8 to 2400Z, Jul 9
+ IARU HF World Championship	1200Z, Jul 8 to 1200Z, Jul 9
+ PODXS 070 Club 40m Firecracker Sprint	2000Z, Jul 8 to 2000Z, Jul 9
+ QRP ARCI Summer Homebrew Sprint	2000Z-2300Z, Jul 9
+ 4 States QRP Group Second Sunday Sprint	0000Z-0200Z, Jul 10
+ CQ Worldwide VHF Contest	1800Z, Jul 15 to 2100Z, Jul 16
+ North American QSO Party, RTTY	1800Z, Jul 15 to 0559Z, Jul 16

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](#) 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
 **SLOPE'S BBQ**
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
- **Second Tuesday — NFARES Meeting - July 13, 2023 *Now meeting in-person!***
Meeting location: The Church of Jesus Christ of Latter-day Saints, 500 Norcross St. Roswell, GA 30075. Enter using the "Family History Center" Door. ***See [NFARL website](#) for details & Zoom link.*** NFARES members receive Zoom invitation automatically.
- **Second Saturday – VE Testing - NFARL July 8, 2023 session:** 8:30 - 10:30AM
Slope's BBQ, 34 Crossville Road, Roswell, GA 30075. Seating will be limited to 20 - preregistration is required. [Registration is by email to Ian NV4C](#); monitor registration opening & closing on the website. [Click here for more information.](#)
 - **Fourth Tuesday – NFARL Executive Team Meeting** - June 27, 2023, 7:00 PM.
Online meeting only — monitor website and NFARL Groups.io reflector for updates.
- **NFARL Club Meeting— Tuesday, June 20, 2023— 7:00 PM** Preston Ridge Community Center, 3655 Preston Ridge Road Suite 100, Alpharetta, GA 30005. The facility's doors will open at 7:00PM. Our meeting will begin at 7:30PM and should conclude by 9:00PM. Our meeting topic is Field Day Operations Pre-Game, led by Steve Randall KO4VW
- **2023 ARRL / NFARL Field Day— June 24-25, 2023** Groveway Community Park, Roswell *See our [Field Day webpage](#) for details! See page 1 for more info!!*
- **The Annual 13 Colonies Special Event— July 1 (9AM EDT)-7 (Midnight EDT), 2023**
Go to the website for additional information <http://13colonies.us/>

Contact Us

President	Mike Riley KN4OAK	President@nfarl.org
Vice President	Steve Randall KO4VW	VicePresident@nfarl.org
Secretary	Martha Muir W4MSA	Secretary@nfarl.org
Treasurer	John Tramontanis N4TOL	Treasurer@nfarl.org
Activities Chair	Dave Bisciotti KO4USA	Activities@nfarl.org
Membership Chair	Wes Lamboley W3WL	Membership@nfarl.org
Past President	John Norris N4IHV	PastPresident@nfarl.org
Mentors / Elmers	John Hathcock WE4AUB	Elmers@nfarl.org
2023 Field Day Chair	Chair- Steve Randall, KO4VW Co-Chair-Dave Bisciotti, KO4USA Co-Chair-Mike Riley, KN4OAK	FieldDay@nfarl.org
Scout Coordinator	Jon Wittlin K4WIT	k4wit@nfarl.org
ARES Liaison and Community Relations	Jim Paine N4SEC	n4sec@nfarl.org
Repeater Operations	Mike Roden K5JR	Repeaters@nfarl.org
Web Master	Bill Cobb K4YJJ	Webmaster@nfarl.org
VE Team Lead	Ian Kahn NV4C	nv4c.ian@gmail.com
eNews Team	Help Wanted!!	enews@nfarl.org

North Fulton Amateur Radio League

P.O. Box 1741
Roswell, GA 30077

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: B (question E1F01)

Supporters and Affiliates

Please support our sponsors and affiliates by a visit their websites.

