

*North Fulton
Amateur Radio League
NFARL eNEWS
September 2023*

*Over 42 Years Promoting
Service | Friendship | Education | Fun*

www.nfarl.org



NFARL Mini-Hamfest Held September 19th / Steve Randall, K04VW

We held our second annual NFARL Mini-Hamfest on September 19, 2023. Last year was a lot of fun and this one turned out to be fun as well. We had 20 tables booked for this year and there was lots to choose from. Radios, connectors, coax, antenna building parts, power supplies and many other items. Even those who had just a few things to sell and didn't reserve a table were able to do so as we set up a table for several people to share.

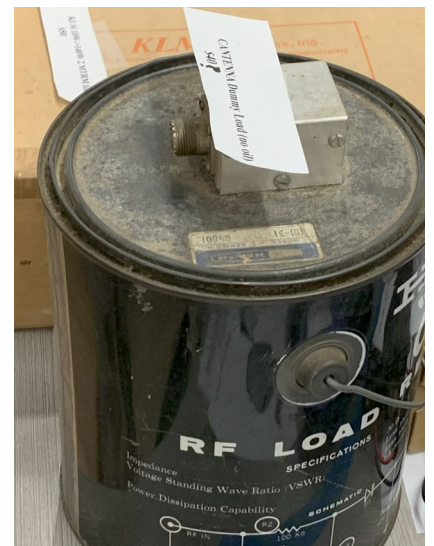
Our Mini-Hamfest took place Tuesday evening at our normal meeting location. We arrived there early to start setting up the tables. There was no regular business at the club meeting and also no Zoom, so take a look at the photos below to see some of the happenings!

Steve
K04VW



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2023 NFARL Mini-Hamfest / -continued from previous page



2024 is Coming!

September has always marked a turning point in time for me. Summer is winding down as the daylight hours diminish and temperatures tend to cool. I always begin to look at the tasks needing to be addressed and finished before winter arrives. Then there is the subject of "next year" that comes to mind as well.

"Next Year" doesn't necessarily need to be something foreboding. I've been told that if you look at the coming year with a pragmatic viewpoint, it will be easier for you to manage any challenges that you ultimately face. I'm not sure where I heard this, but I can only assume it was from someone wiser than me.

So with the realism of time passing in mind, here are some things for consideration;

Nomination and election for Club officers are coming in the next few weeks. The nominating committee is already hard at work. Who do you want to have serve you as a club officer during 2024? Contact John Norris N4IHV, and let him know your preferences.

Daryl, K4RGK will be supporting another ARISS ISS contact at A.L. Burruss Elementary, Marietta, GA during the week of October 23, 2023. You've got another opportunity to help out with this contact by being part of the support team for the backup antenna. Contact Mike, KN4OAK or Daryl, K4RGK and let them know you're willing to join in the fun!

Stone Mountain Hamfest occurs during the weekend of November 4th-5th this year. Online ticket sales have begun! We've got tables in the inside boneyard space. We'll be selling HamJam tickets inside the main building as well. Join us and help promote the 2023 HamJam event!

HamJam 2023 will be happening on November 11, 2023. Once again, the event will be held at the Preston Ridge Community Center, 3655 Preston Ridge Road Suite 100, Alpharetta, GA 30005. More information about the event and raffle tickets will be forthcoming.

NFARL will hold its annual Holiday Celebration Dinner on December 16, 2023. We hope to see you at Preston Ridge Community Center for this event as well! Once we get the final details worked out, we'll let you know, but please add the event to your calendar now!

GARS TechFest is planned for January 13, 2024. Mark this event on your calendar, too! NFARL is planning to hold the kit building workshop and we'd like to have you help us out.

Another ARISS contact comes up in early February 2024. This time it will be at Lilburn Elementary, in Lilburn, GA. GARS is the "host" club, but NFARL will be providing support. If you can't make that event, join us for the event in early April 2024 at Mountain View Elementary, Marietta, GA. CARS is the host club for this event, but once again, NFARL will be providing the technical support.

All things willing, you'll get to celebrate another birthday next year! Start planning for it now!

So, as you now understand, these events are all likely to occur as planned, along with all of those that are unplanned, which may or may not occur. It's better to be excited and ready, rather than worried and fretful.

73,

Mike KN4OAK

August Prep Day School Contacts ISS / Mike Riley KN4OAK

Who is Kemp Badger? Kemp is a 7-year old student at August Preparatory Day School in Martinez, GA, who got a chance to speak to NASA Astronaut Stephen G. Bowen (Captain, USN, Ret.). On August 31, 2023, Kemp was one of ten Augusta Prep students selected to ask Steve questions about living and working on the International Space Station. Daryl Young, K4RGK/M made contact with Steve, KI5BKB, aboard NA1SS at approximately 9:51AM EDT to kick the QSO off. Steve and the Augusta Prep students smoothly completed the QSO with a very 5 x 5 exchange throughout. The contact lasted just over ten minutes, ending when the ISS passed over the horizon and the signal dropped.

Kemp and the other students made quite the impression on the audience during the QSO. It was great seeing and hearing the individual personalities set the tone of their questions, making the event all the more interesting. Kemp was so excited about the event, he even dressed as an astronaut in an orange jump suit, complete with insignia and specialty medals. Kemp also did a fine job in his after-action interview with Tiffany Hobbs of WJBF-TV.



Augusta Preparatory Day School did a fantastic job to get ready for this contact. They received support from many individuals and organizations, and enjoyed a very high level of engagement from students and parents. Amateur Radio Club of Columbia County (ARCCC), Dan Marshall, N4MI, Rachel Jones, KO4HLC, and other ARCCC members provided assistance in classes and workshops during the year leading up to the contact event. We've seen this level of engagement as a key element of success for schools utilizing radio as part of STEM/ STEAM learning.

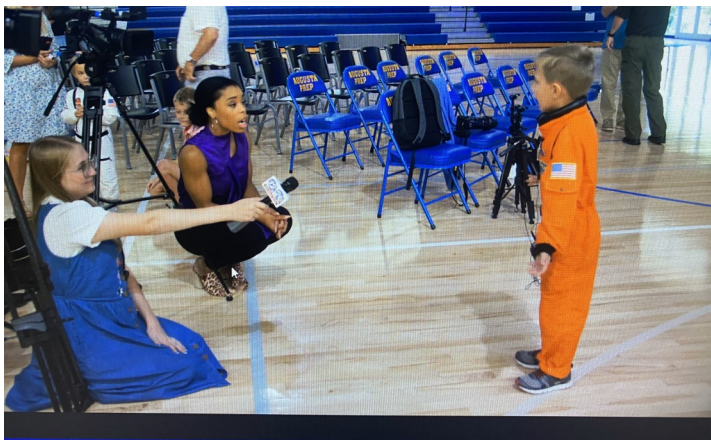
While they didn't track their time spent in preparing and executing the event, Daryl and Nathan alone likely expended over a combined 200 man-hours making the event happen. Just thinking about the time and effort spent as a whole for each of these events in which ARISS is involved and you become vested in sorts, desiring to ensure that the return of the educational and relationship building pays off in the future.

Development programs don't just involve financial contribution. They require ongoing involvement and support to ensure positive outcomes can be achieved. When made, individual's contributions become necessary foundation elements of a club program. However, when more members can willingly contribute to common goals and objectives, they get to share in the satisfaction and enjoyment of participation. This is a key strategy for a club looking to achieve positive long-term outcomes. NFARL leadership urges members to consider this viewpoint when volunteer, community outreach, and educational opportunities arise.

You can read more and see Kemp and others in action by viewing the hyperlinks below. It was a great event and worth the effort and support from the NFARL team, along with ARCCC and others. Please take the time to say thanks to Daryl, K4RGK, Nathan K4NHW, Martha W4MSA, Wes, W3WL, and others involved, for their support and investment in these types of activities.

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August Prep Day School Contacts ISS / - continued from page 4



Tiffany Hobbs, WJBF-TV (center) and an APDS student (left) interview Kemp Badger after the contact



Rachel Jones, KO4HLC, (kneeling) provides some coaching to the student panel prior to the contact



Left: Nathan Wood, K4NHW waiting for the contact

Right: Daryl Young, K4RGK & Wes Lambolley, W3WL



Primary antenna tower, in front & backup antenna at rear



David Benoist, AG4ZR, Georgia ARRL Section Manager, addresses the audience prior to the contact

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August Prep Day School Contacts ISS / - continued from page 5

Upper School, Middle School students and parents waiting patiently for the ARISS contact to begin



Augusta Preparatory Day School Head Master Derrick Willard addresses the audience at the start of the program



Here are the links you can explore:

The school livestreamed the contact on Facebook: https://youtu.be/y_Yu0ddYF60?si=GgIqNK2luNIAR4im&t=1562

YouTube: https://www.youtube.com/watch?v=y_Yu0ddYF60

Media also covered the event;

WJBF ABC TV: <https://www.youtube.com/watch?v=2Wha2Ej8jZw>

August Good News: <https://augustagoodnews.com/augusta-prep-students-have-conversation-with-astronaut/>

WRDW CBS TV: <https://www.wrdw.com/video/2023/09/01/augusta-prep-students-meet-astronauts-aboard-international-space-station/>

ARISS: <https://www.ariss.org/weekly-reports/ariss-weekly-status-report-sept-11-2023>

Content for this article was provided by Martha Muir, W4MSA, Tiffany Hobbs, WJBF-TV, Wes Lambole, W3WL, Daryl Young, K4RGK, Rachel Jones, KO4HLC, and Dan Marshall, N4MI

Congratulations New & Upgraded Hams! / Wes Lamboley, W3WL

Again Slope's Barbecue hosted our Volunteer Examiner Team by providing plenty of space for the testing session this month. Three exam takers took their new Tech license or upgrade to General. Two made it Saturday and one was successful Sunday at PDK.

Please do congratulate these three folks below when you get the chance!

Brad Thatcher, KQ4LGW, got his Technician license on Saturday, the 9th of September. Brad has been interested in ham radio since grade school and a friend of his has been encouraging him for a long time. Brad finally decided to JUST DO IT! Brad is a retired engineer from Scientific Atlanta, where he was a satellite communication expert. He also has a horse farm in Crabapple. The winner of the dressage competition in the '96 Olympics (Michelle Gibson) trained and was partially sponsored by Brad. It is a great story and better to be heard from Brad, but suffice it to say that Brad had to resign from his day job at Scientific Atlanta to keep up with the stables work, as he was seen as having the "secret sauce" after Michelle's run away victory. Brad has been retired for 10 years now, but still keeps a few horses at his place. Please do welcome him to our Club!

William "Bill" Carter, KQ4JEM, is a licensed PE, and retired mechanical engineer, who lives in Cumming. Bill passed his General exam, upgrading from Novice. Bill enjoyed working for Celanese in the fiber manufacturing business. Bill spent time in the U.S. Army as well, achieving specialist ranks in Personnel and as a Combat Engineer Senior Sargent. Welcome to NFARL Bill.

Abby Wells, KQ4JEU, took her General exam, but wasn't successful Saturday. Abby persevered on Sunday and achieved her General license. Way to go Abby! Abby is already a NFARL member and is active in the NFARES team.

Congratulations to all three for a job well done!

73,

Wes, W3WL



Bill Carter, KQ4JEM



Brad Thatcher, KQ4LGW, chats with Wes, W3WL

Interview w/ Daryl Young, K4RGK

Daryl Young, K4RGK, served as NFARL President during 2018 and 2019. Daryl's interest in satellite communications began shortly after his initial foray into Amateur Radio. Daryl's satellite mentor is John Kludt, now K7SYS. John also served NFARL as President in 2013 as K4SQC . Today, Amateur Radio still ranks as Daryl's number one hobby interest.

If you watch Daryl operate his station, you'll witness him execute with a high level of precision, attention to detail, and quality of operations. Daryl consistently reviews how he's done and looks for ways to improve in everything he undertakes.

As a member of both Amateur Radio on International Space Station (ARISS) and Radio Amateur Satellite Corporation (AMSAT), Daryl leverages his Amateur Radio operator capabilities so that he not only benefits from his personal on-the-air activity, but also provides assistance to others for educational and community support. In his ARISS role as Technical Mentor, he provides technical support for Earth Station operations to schools with the southeastern U.S. for ARISS contacts. This responsibility includes helping schools and other local radio clubs with establishing the operating plan for the radio contact with the International Space Station (ISS), ensuring that necessary program paperwork is complete and accurate, assisting with development of the school / institution story supporting the event, questions and any other technical aspects associated with event execution. Depending on the contact situation (type), which may be a ground link via another Earth station, or a direct ISS to Earth link, Daryl works diligently to ensure the operational success of the contact is truly a success. He has spent many hours on site at ARISS events working to ensure systems operations for communication, sound and audio visual support function during the 10 minute or so contact period. There are no "do overs".

Daryl has a similar role in regard to his AMSAT membership. He serves as an AMSAT Ambassador. An AMSAT Ambassador is an AMSAT member who wishes to educate other Amateur Radio operators and the general public about the importance of Amateur Radio in space and the exciting progress being made in meeting AMSAT's mission and vision.

In a recent adventure, Daryl and fellow Ham Nathan Wood, K4NHW, completed an ARISS contact at Augusta Preparatory Day School. You can read about that event elsewhere in this NFARL eNEWS edition.

I had a chance to talk with Daryl after his Augusta Prep event. Daryl welcomed the opportunity to share more information on Amateur Radio satellite operations. Given my limited knowledge on satellite operations, I tried to ask about some basic information to help build my awareness on the subject.

Without having a grasp on operating in the amateur satellite realm, I had no idea what might be the level of QSO activity someone might undertake. Daryl makes, on average 30-50 per month. Contact activity differs, depending on activity level and time of year. A lot of Daryl's contacts are related to grid chasing activity. Okay, I thought, "this sounds like there is a good opportunity for activity in this area."

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So, on to the next question: How many satellites are currently considered active and available for Amateur Radio contact? (I wanted to make sure there are enough seats on the bus before I buy a ticket...). "At present we are in a "down cycle", primarily due to aging and failures," Daryl replied. We chat some more on reliability and other possible influences. "Space is hard" stated Daryl after exchange of a few possible causes. "At present, there may be 12 up to 25 "birds" (satellites) active for amateur contact use. Depending on the satellite, they may be "turned on or off periodically" depending on use case, management, or ownership," he went on to say. That's interesting I thought. Turning the satellite on and off hadn't occurred to me.

So what else can one do with amateur satellite communications? How about contesting? "Are there any amateur radio contests based solely on satellite contacts?" I asked Daryl. "Yes- grid chasing is an example. VHF/UHF Century Club contest (VUCC) is a good example with the satellite only element (confirmed contact of 100 grid squares via satellite)," he replied. Daryl went on to explain the AMSAT GridMaster Award is another satellite only event. There are 488 Maidenhead map grids in the 48 contiguous United States. The GridMaster event objective is to make, log and confirm at least one contact in each of these grids via a satellite QSO. FM repeater, linear transponder and digital satellites can be utilized. "Okay-there's something that is unique in terms of satellite operations" I thought to myself.

So now I was really curious. Why else would someone become interested in Amateur Radio satellite communications? "What is your most memorable Amateur Radio satellite event or QSO?" I asked. Daryl replied, "My most memorable is my 1st ARISS contact at Mill Springs Academy in Milton, GA. Being a witness to the amazement on student's faces after hearing "I copy you Mill Springs Academy. Welcome to the International Space Station, over." and feeling the satisfaction of achieving the contact was great." If it was anything like what I saw at Augusta Prep, then I completely understood.

Now I was really thinking about the impact to my radio portfolio satellite operations might have. "What does an amateur radio satellite communication rig typically consist of?" seemed like the logical question, just to help me verify what I already thought about the hardware needed. "A basic rig consists of two radios, two antennae (one "up" and one "down"), a duplexer, tracking software (or smartphone app), a receiver pre-amp, high quality low loss coax, a reflected power bridge (optional), headphones (optional) are some things I would recommend to conduct satellite work," was his reply.

I inquired "How many amateur radio satellite rigs do you presently use?"

"I have access to 3 available configurations: a dual band HT and hand held antenna, the portable tracking system, and the "big" tower unit. The HT is light weight and easy to deploy. The portable tracking system is small enough to be used as a light weight easily transported unit. The tower unit provides the capability and reach when coupled with a backup antenna system is suitable for a large event like the ARISS school contacts or ARRL Field Day club operations," was the reply.

Well, that provided me with a reasonable understanding of the rig set up and capability of operational scope. What about the software end of things? "What software do you use for tracking the satellites?" I asked. Daryl replied that he used "SATPC32." SATPC32 is software offered for sale at the AMSAT website. The author is Erich Eichmann, DK1TB. You can get a free demo download at this website: <http://www.dk1tb.de/downloadeng.htm> but the application is limited as it will not retain the users location information when closed. When you purchase a license key from the AMSAT site (<https://www.amsat.org/product/satpc32-by-electronic-download/>) you then can download and

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ISS contacts are just part of the game / - continued from page 9

activate the license to enable the retention to occur. Erich has graciously donated all the proceeds from the software to AMSAT for the purpose of amateur satellite development.

"This information is helpful," I thought to myself. I began thinking of ways not only how I would use it, but also how someone without any deep knowledge of amateur radio might take advantage of it as well. "Does involvement in the amateur radio satellite activity require a significant level of investment for equipment beyond the typical amateur radio shack level?" I asked Daryl. "From the entry level point of view, no. However, as you get more involved you likely will make more investments and some likely larger than if you were only to focus on FM," Daryl replied.

"What steps would you recommend to a Ham that might be interested with investigating and participating in amateur radio satellite operations?" was my response after pausing to think about the investment response. Daryl's response was straight forward; visit AMSAT.org and research the information available, get a mentor, get involved in satellite activity- watch, listen, learn through practice and study.

My take away observations from this conversation are;

- Daryl certainly is fulfilling his role responsibilities as an ARISS Mentor and AMSAT Ambassador.
- Amateur radio satellite communications don't appear to be difficult if you're prepared and understand what is involved. This is not to state that these activities are a "walk in the park", but rather that they are certainly obtainable from an amateur radio operator perspective.
- Amateur radio satellite communications can add a number of interesting facets into activity within amateur radio and STEM / STEAM education programs.
- Given the present day role of telecommunications and RF based systems, understanding satellite communication and operations is of value to individuals desiring to participate in technology fields related to the scientific principles involved.
- Satellite operations is a topic that NFARL should consider an opportunity for further development in entry level amateur and youth education related activities.

So, below you'll find some hyperlinks to use for looking further into amateur radio satellite communication. Take some time to investigate these and think about where you as an individual, or collectively with other NFARL members, might find some enjoyment and satisfaction through involvement or support of new amateur or youth operators in the "space of satellite operations". The NFARL Executive Committee would very much like your feedback.

AMSAT: <https://www.amsat.org/>

AMSAT Beginners Info Compilation: <https://www.amsat.org/station-and-operating-hints/>

AMSAT Fox Operating Guide: https://www.amsat.org/wordpress/wp-content/uploads/2019/03/FoxOperatingGuide_2019_Lo.pdf

AMSAT Tools for Spacecraft Communication and Design: <https://www.amsat.org/tools-for-calculating-spacecraft-communications-link-budgets-and-other-design-issues/>

AMSAT Live OSCAR Satellite Status Page: <https://www.amsat.org/status/>

ARISS: <https://www.ariss.org/>

ARRL: <http://www.arrl.org/space-communication>

Satellite Basics (Part 1): Guide to Ham Radio Satellite Operating: <https://www.onallbands.com/satellite-basics-part-1-guide-to-ham-radio-satellite-operating/>

Work-SAT.com: <https://www.work-sat.com/>

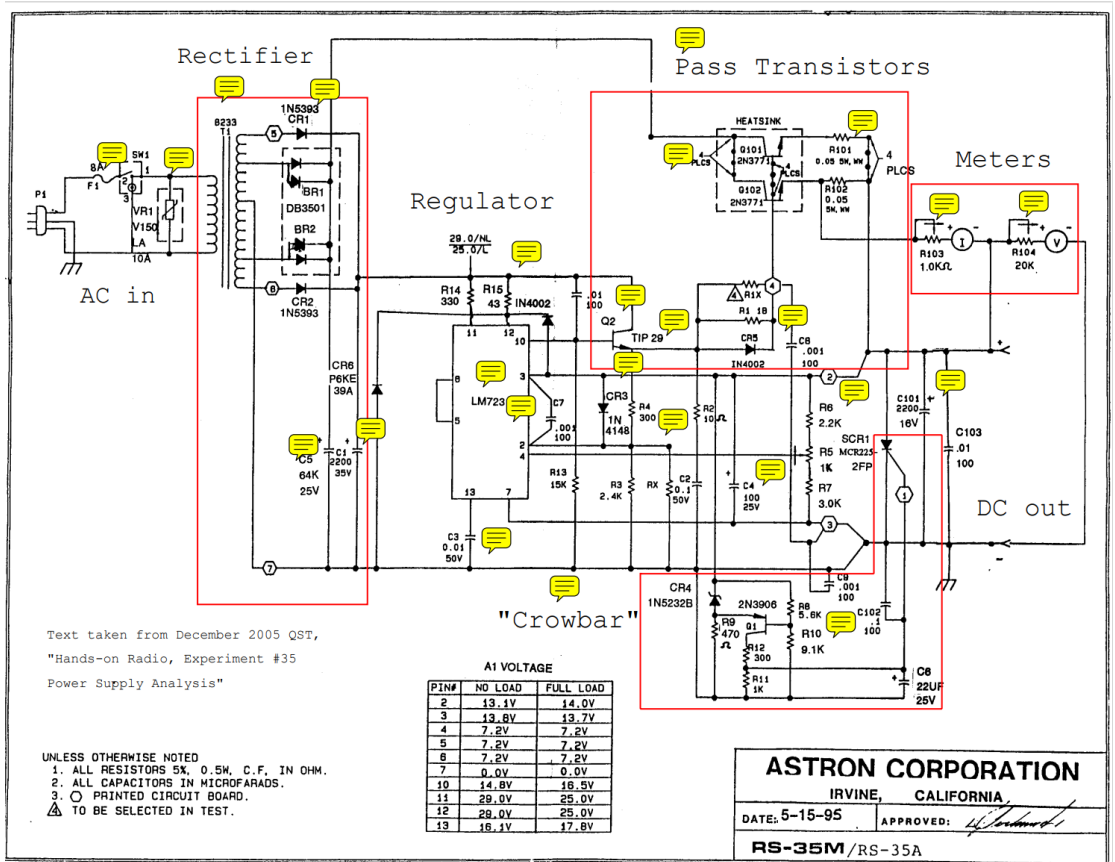
Trouble-shooting tip & fix for your aging Astron Power Supply / Ted Macklin, K4MPM

I picked up a used (circa 1995) RS 35M awhile back on FB's marketplace. The seller volunteered to power it up for me, and the volt meter did show ~13.8v. However, when I got it home and put a proper load on it, I noticed the voltage sagged quite a bit.

Resting my fingers on each of the TO3 devices on the back of the PSU revealed that one (of four) of them was cold to the touch. The TO3 device itself checked out fine on the bench. Apparently thermal cycling of the TO3's socket weakens its contacts over time. Rather than go to all the trouble to replace the socket, I simply soldered the TO3's two legs to the socket. (I actually went to the trouble to solder all four of the TO3's 8 legs into place, but first, I refreshed the heat sink grease under each device before hardwiring them. Yes they were all bone dry. Make sure you put them back in the same socket they came out of.) More testing under load revealed a tiny bit of sag still remaining....

So, even though it was a lot of trouble, I took the time to clean ALL the grounds in the PSU. Et voila! Virtually no voltage sag under load now, at full power (on my DX10). Approximately 18-20 amps draw.

73s,
-Ted
K4MPM



<https://usermanual.wiki/Pdf/ASTRONRS35mPowerSupplySchema.237106077/pdf>

<https://www.astroncorp.com/linear-desktop-w-meters>

Extra Extra! / From the Extra Class Question Pool

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



E2A01

What is the direction of an ascending pass for an amateur satellite?

- A. From west to east
- B. From east to west
- C. From south to north
- D. From north to south

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](#).

HamJam 2023 / Wes Lamboley, W3WL

The annual NFARL fund raiser for Youth Education, Scholarships and Activities, commonly known as HamJam is now in its 13th year! The event will be held at our regular meeting place at the YMCA on November 11 beginning at 8 AM and lasting until 1 PM (plenty of time to get home to watch your favorite college football team!) Raffle prizes are being collected from various donors and

suppliers and are expected to be worth about \$5,000 again this year. Our web site at HamJam.info is in the process of being updated and will soon show prizes and speakers as usual.

Please do mark your calendar for the morning of November 11 and join us for HamJam 2023!

WHAT: ***HamJam 2023***

WHEN: ***November 11, 2023, 8:15AM –1PM***

WHERE: ***Preston Ridge Community Center
3655 Preston Ridge Road Suite 100,
Alpharetta, GA 30005***

Look for information updates forthcoming on NFARL website, the HamJam 2023 website & NFARL Groups.io


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
+ QCX Challenge	1300Z-1400Z, Sep 25
+ QCX Challenge	1900Z-2000Z, Sep 25
+ QCX Challenge	0300Z-0400Z, Sep 26
+ 222 MHz Fall Sprint	1900 local - 2300 local, Sep 26
+ SKCC Sprint	0000Z-0200Z, Sep 27
+ UKEICC 80m Contest	2000Z-2100Z, Sep 27
+ RSGB 80m Autumn Series, Data	1900Z-2030Z, Sep 28
+ Feld Hell Sprint	0000Z-2359Z, Sep 30
+ Worked All Provinces of China DX Contest	0600Z, Sep 30 to 0559Z, Oct 1
+ UK/EI DX Contest, SSB	1200Z, Sep 30 to 1200Z, Oct 1
+ Russian WW MultiMode Contest	1200Z, Sep 30 to 1159Z, Oct 1
+ AWA Amplitude Modulation QSO Party	2200Z, Sep 30 to 2200Z, Oct 1
+ UBA ON Contest, SSB	0600Z-0900Z, Oct 1
+ Peanut Power QRP Sprint	2200Z-2359Z, Oct 1
+ 432 MHz Fall Sprint	1900 local - 2300 local, Oct 4
+ UKEICC 80m Contest	2000Z-2100Z, Oct 4
+ Walk for the Bacon QRP Contest	0000Z-0100Z, Oct 5 and 0200Z-0300Z, Oct 6
+ IARU Region 1 UHF/Microwaves Contest	1400Z, Oct 7 to 1400Z, Oct 8
+ California QSO Party	1600Z, Oct 7 to 2200Z, Oct 8
+ SKCC QSO Party	1800Z, Oct 7 to 1800Z, Oct 8
+ 10-10 Int. 10-10 Day Sprint	0001Z-2359Z, Oct 10
+ Nevada QSO Party	0300Z, Oct 14 to 2100Z, Oct 15
+ Solar Eclipse QSO Party	1200Z-2200Z, Oct 14
+ Arizona QSO Party	1500Z, Oct 14 to 0500Z, Oct 15
+ Pennsylvania QSO Party	1600Z, Oct 14 to 0400Z, Oct 15 and 1300Z-2200Z, Oct 15
+ South Dakota QSO Party	1800Z, Oct 14 to 1800Z, Oct 15
+ PODXS 070 Club 160m Great Pumpkin Sprint	2000Z, Oct 14 to 2000Z, Oct 15
+ Argentina National 7 MHz Contest	2130Z-2330Z, Oct 14
+ ARRL School Club Roundup	1300Z, Oct 16 to 2359Z, Oct 20

Infor above courtesy of <https://contestcalendar.com/fivewkcal.html>

NFARL Upcoming Events and Dates

- **Every Sunday — NFARES net** - 8:30 PM - 147.06 MHz (+) PL 100
Also find us on EchoLink® at NF4GA-L, node 889158. All licensed hams are welcome, you do not need to be an ARES member! Check [NFARES.org](https://www.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 - October 10, 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 October 14, 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** - September 26, 2023, 7:00 PM. *Online meeting only* — monitor website and NFARL Groups.io reflector for updates.

- **NFARL Club Meeting— Tuesday, October 17, 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 event will begin at 7:30PM and should conclude by 9:00PM. Lee Johnson, N4WYE will present on Antenna Modeling & we hold Officer Elections.

- **2023 STONE MOUNTAIN HAMFEST— November 4-5, 2023**
Gwinnett County Fairgrounds, 2405 Sugarloaf Parkway, Lawrenceville, GA 30045
Hours: Saturday 8 AM — 4:00 PM, Sunday 8 AM — 2 PM
<https://stonemountainhamfest.com/>

- **HamJam 2023— November 11, 2023** 8:15AM - 1:00PM
Preston Ridge Community Center
3655 Preston Ridge Road Suite 100, Alpharetta, GA 30005

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: C (question E2A01)

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