

North Fulton Amateur Radio League NFARL eNEWS

July 2021

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www.nfarl.org



Two Guest Presenters in July/ Neil Foster, N4FN & Mike Roden, W5JR

This month we're going to try a different approach to our presentation topics. We're going to switch to a "Mini-Talk" format in an effort to share a broader level of information and keep things interesting. In July 2021 we'll hear first from Neil Foster, N4FN. He will tell us about using Club Log. Since we've got new members joining us, it should prove informative. There's always a new twist that might arise from new questions. You can learn a little about Neil below.

Our second presenter is Mike Roden, W5JR. Mike is planning to tell us about some of the technical and operational aspects associated with CW and computer logging. Again, this should prove to be of value to those of us who are not CW proficient and interested in the aspects of computer related CW operation.

Join us in person at the Preston Ridge Community Center. The doors open by 7PM. We'll start the meeting at 7:30PM, beginning with our business update. Neil will begin his presentation following the business brief. Mike will follow Neil. We'll also try the simultaneous Zoom meeting again. Here's the Zoom information should you not be able to join us in person.

Join Zoom Meeting

<https://us06web.zoom.us/j/87185060900?pwd=UjRyN0NyK1N5L3BBUU02SDF0TU1Jdz09>

Meeting ID: 871 8506 0900

Passcode: 835097

About Neil...

First licensed in 1960, in 1984 he upgraded to 20 wpm Extra and when vanity licensing became available, he became N4FN. Active in the Atlanta Ham community for many years— Neil served as President of the QCWA, Atlanta Radio Club (twice), the Southeastern DX Club as well as other officers in those clubs. Still a member of the SEDX Club Neil is also a member of the North Fulton ARL and served as a past president and current QSL Manager. An active DX'er, he has 347 country/entities confirmed along with 12 DXCC awards (8 Band DXCC) and DXCC Honor Roll. Of all the ham radio awards Neil has, and there are a bunch, Neil is proudest of the Arabian Knights Award (number 568 in the world) and the Royal Jordanian Silver Award (number 191 in the world) from the Arabian Amateur Radio League. It is issued and personally signed by King Hussein of Jordan JY1, as well as The Commonwealth DX Award (number 332 in the world) issued by the RSGB. Neil also holds the British Class A license call sign G0NBJ. He has operated from 13 DXCC countries. Neil's station at home is a Yaesu FTdx101MP, Elecraft K3s/P3 and an Elecraft K2. For HF he uses a K4KIO Hex beam antenna, a GAP Challenger and SteppIR Big IR. When required he can add a bit of power with the Elecraft KPA 1500. Sixty-one years of Ham Radio in January 2021 and it is still magic.

About Mike...

Licensed in 1968 while in high school as WN5UOB, his Dad - then WN5UOC, and Mike began a great hobby together. Mike held WA5UOB (until Feb 1978), N5FL (Feb 1978-Nov 1996) and K7JR (Nov 1996-Mar 2002). Mike's Dad is K5JR. Mike's Mom was W(B)5DMR (sk 2008). Most of Mike's HF operation is CW, concentrating on 160m CW contests. Mike shows up in other CW contests throughout the year. Mike's antennas consist of "wires in the woods" owing the focus to 160, 80 & 40. Mike is also the care taker of North Fulton Amateur Radio League's seven repeaters.

President's Corner / John Norris, N4IHV

Field Day 2021 was a wonderful success. We had excellent representation to install all of the necessary antennas and equipment and then dismantle them. It takes a lot of effort and coordination and was done very well. We had some outstanding operators and I believe our score will show it. It was good to see so many new members helping. A special thanks to Warren, KD4Z, for all of the hours he spent setting up the network and updating all of the computers. As usual, Chuck, AE4CW, helped coordinate all of the antenna installations. There were many more who helped that I have not named and I thank you. The food on Saturday was excellent and the quantity left no one hungry. Thank you Lynn Kahn, N4MSK. It looked like everyone had a great time.

We have previously used Elecraft K3's on field day because of the filtering in the radios that reduce the problem of interference. We did not have enough to place one at the GOTA Station this year. However,, N4IHV we were fortunate to have a Yaesu FT DX 10 supplied. This radio had excellent filtering and created no problems from interference. I went by the GOTA Station a number of times and they were having a lot of fun. Lots of people were introduced to amateur radio at this station.

The scout merit badge program organized by Ian, NV4C, was a great success. The scouts were having a good time learning something new. Thanks to all those who helped Ian in this endeavor. This is just one example of what makes NFARL a success.

Participation is what makes a club successful and I am thankful that so many of you are willing to be active in your membership. We are in the process of setting up some very good topics for our future meetings and it would be great to see our new meeting place overflowing. The fellowship we are experiencing is by itself worth the time to attend our meetings.

I hope everyone had a great July 4th celebrating this exceptional nation. It is like no other on earth and we are so fortunate to be here. I look forward to seeing you at our meeting July 20, 2021.

John Norris, NFARL President
N4IHV

Stray- / Far Circuits

Have a ham radio project you're working on that needs a printed circuit board? Have you tried Far Circuits? They may not be the lowest cost but they focus on low volume custom boards. You can reach them at www.farcircuits.net or mail@farcircuits.net. They are located in Illinois.

They have an online index for lots of items related to ham radio, including items featured in past ARRL publications. They will also accept your design files for quotation. Check them out.

1st U.S. Island Special Event Week / Terry Joyner, W4YBVI

Jim Paine N4SEC, Mark Bundy W4UTX, and Terry Joyner W4YBV, took part in the inaugural USI Special Event week.

Together the three activated 5 U.S. Islands in the North Georgia area during the 201 hour event.

- On Saturday June 12th they activated Mary Alice island GA028L with 46 contacts in 13 states and Canada.
- On Sunday June 13th they activated West Island GA027L with 70 contacts in 23 states and Canada.
- On Monday June 14th they qualified Legacy Island GA 967L with 15 contacts in 8 states and Canada.
- On Wednesday June 16th they qualified Georgia Island GA065L with 27 contacts in 14 states and Canada.
- On Thursday June 17th they activated Powers Island GA 026L with 27 contacts in 11 states and Canada.

Activating and qualifying an island in the US Islands programs are two different actions. Qualification is the initial, first-time operation from a US island authorized and numbered by the QM (Qualification Manager). Activation is any subsequent operations from a US island once it has been qualified. You can learn more about the US Islands Awards Program at the website

<https://usislands.org>

From the 5 islands we made a total of 185 contacts in 29 states and Canada. The rain cut our plans short for the second weekend of the event, but fun was had by all! We're all looking forward to next years Special USI event week in 2022.

Jim N4SEC is waiting for something to come down the wire...



Jim N4SEC & Terry W4YBV

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This looks like a good spot to catch some QSO's...

Jim N4SEC & Terry W4YBV, but where's Mark W4UTX?

Is the lake level down? Is the tide low? Does this mean we get an S1 noise floor? Is that you Jim?



Continued on next page...

1st U.S. Island Special Event Week / Continued from page 4...



Don't look so surprised! We know you are trying to work some contacts!

Jim N4SEC and Terry W4YBV... some island on the lake...

Wish the view from my station was this nice...

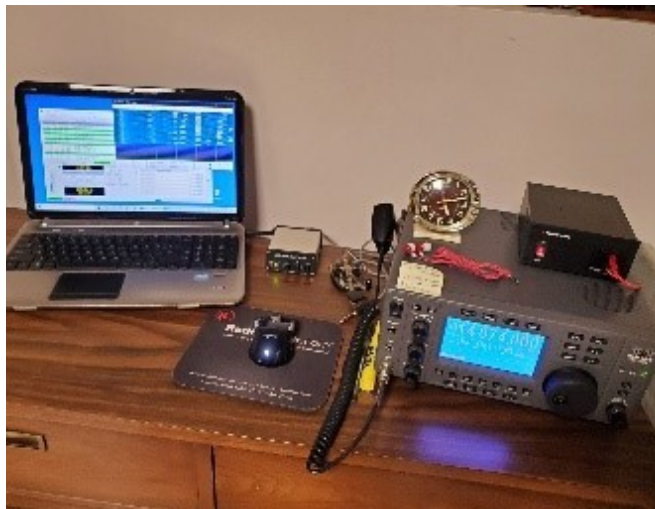


Field Day Report / Tony Santoro, WA3TRA

Here's what I did:

My first stop was the ARES tent since it was closest to where I parked. I was introduced to the Tigertronics Signalink USB interface. Later, I did purchase one for use with FLDIGI and WSJT-X software. It was well worth the money for this gadget and I met some helpful people. Here's a picture of my setup with WSJT-X.

Next stop was the location for the food and a few Elmers. I was directed to the HF tent which is located on the other side of the field. With some assistance from a few more Elmers, I sat down in the chair and attempted some contacts. The very moment I sat in the chair, the rig went dead. A scramble by the crew found difficulty with a power supply and connections. Once up, I was shown



Notice the Signalink interface next to the monitor



how to make contacts and log the entries (just like a contest). After a dozen or so contacts, I let someone else drive. Note: Field Day is not a contest!

Then, my wife showed up and we got ready for the food festival. This is one of the better feasts that I have witnessed. A lot of work went into the team that set this up and its really appreciated by everyone.

Next I moved to the GOTA tent. GOTA stands for "Get On The Air" and is intended for new-bees. Even though I've had my license since 1972, I never really used it until April of this year. The station was open, so I was given the go-ahead to contact more people with the aid of a controller. I came back Sunday morning and completed at least 25 contacts.

Then, by 1300 Sunday, I was encouraged to work the CW tent, where more Elmers showed me how to use FLDIGI to send CQ and log calls. This was beyond what I know and the CW speed was way over my head (this is the big leagues). However, since one operating station seat was opened, I persisted and was able to log one call.

That's my report and I'm sticking to it. Did I tell you Field Day wasn't a contest?

73s,
Tony, WA3TRA

NFARL Field Day 2021 Club Score Update / Mike Riley, KN4OAK

ARRL Field Day happened almost a month ago. Seems like yesterday, but it wasn't. Field Day 2020 was a different "animal" than Field Day this year and previous Field Day events. NFARL did fairly well in 2019, the last time we operated at Groveway Community Park. In 2019 the club recorded 2626 QSOs from CW, Phone and digital under K4JJ. Presently, data from operations during 2021 Field Day indicate we recorded 2532 QSOs under K4JJ for CW & Phone. Thanks to **Warren Merkel, KD4Z**, for once again using his skills and capabilities to set up and operate the network logging system at Groveway Community Park during Field Day 2021! This is a great asset the club has available to it. Warren puts a significant amount of his resources against making sure the logging network operates, thereby saving the club all of the effort associated with accumulating the logs and determining scoring.

We're still counting the K4JJ digital contacts. We also don't have a complete QSO count from those of you who participated from home and credited scores to NFARL. There's still time left! We have to have all log reports in before July 27, 2021. If you **have NOT** submitted your log info to ARRL yet, you can do so easily by accessing the Field Day Entry site at <http://field-day.arrl.org/fdentry.php> and following the instructions. Remember, you receive 50 bonus points for online entry. According to ARRL, Field Day entries must be submitted online or postmarked no later than 2059 UTC on July 27, 2021.

You can read about the 2021 Field Day results at ARRL's article date 7/15/2021 [here](#). Once you've done that you can get an approximation of NFARL results reported so far in comparison by using the information below:

K4JJ Field Day 2021 Preliminary Summary from N1MM network

Band	Mode	QSOs	Pts	Pt/Q
3.5	CW	310	620	2.0
7	CW	765	1530	2.0
7	LSB	183	183	1.0
14	CW	396	792	2.0
14	USB	265	265	1.0
21	CW	288	576	2.0
28	CW	30	60	2.0
28	USB	300	300	1.0
Total Both		2537	4326	1.7

NF4GA Field Day 2021 (GOTA) Summary from N3FJP

Band	Mode	QSOs
TBD	TBD	203

Accredited Submittals (from stations other than K4JJ & NF4GA)

Total Submittals	Bands	Modes
15	TBD	TBD

These results do not include the fifteen sets of results already submitted by those operating from home or outside of the NFARL site at Groveway. **Thank you to all of those who have submitted results to date!**

Remember, in addition to submittal of your log info to ARRL, we'd like to have you tell us about your home operation results directly. After you have submitted all your score information to the ARRL please send an email to the Field Day Chairman, Mike Riley at kn4oak@nfarl.org containing your name, class, **QSO counts by mode and band**, and total points claimed. Please copy Fred Ackley at w4fra@nfarl.org.

Ten Meter Openings / Jim Stafford, W4QO

There is a lot of buzz lately about the 10M band "opening up" and it sure is fun to work that band when it opens. I thought I'd relate a couple (well, 3) of stories about contacts on 10m that seem to just be amazing. Am I bragging? Well, maybe.

1. I lived in Ft. Lauderdale for 11 years from 1972 to 83. This covered the peak of the sunspot cycle in 1980. I had a CB SSB radio that I had converted to 10M and a mobile antenna that covered that band. While I was sitting in my driveway as I came home from work one day and worked ham in Italy running about 10 watts SSB. I was blown away and amazed!
2. After I moved to Atlanta, I had installed one of those Radio Shack 10M transceivers in my car. I think it ran about 15 or 20 watts. As an antenna I used one of those telescoping CB antennas that magnetically attached to the top of the car. I did not extend it to its full 3 foot length so that is would match 10M better. I did not use an SWR meter, just pushed it in 3 or 4 inches. As I left work on the downtown connector, I worked a station in Asiatic Russian. That was probably during the peak around 1991. I don't remember exactly!
3. More recently in October 2014, I again drug out that converted CB SSB radio and fired it up during the CQ WW SSB contest near the end of the month. Throughout the weekend, I made 102 contacts from Hawaii to Qatar using the QRP definition of SSB of 10 watts PEP. It was difficult to tune as it was still channelized with a "slider' on each channel! I worked all continents and 48 countries. Of course you say, "You have a beam." True enough, but it is located over 250 feet from my stations so that offsets it a bit! My average DX contact was 4,586 miles.

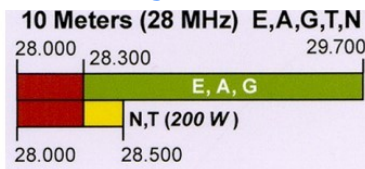
Continent	Total	%
EU	76	75
SA	11	11
NA	8	8
AS	4	4
OC	2	2
AF	1	1

Now, I'm certainly not doing this to brag but to share the fun you can have on 10M at the peak of the sunspot cycle, and we are headed that way! That band is just beginning to open up so stay tuned. And you can do all this as a Technician. I had a friend who worked something like 75 countries before he got his General. Now that was when you had to learn CW at 13 WPM so that may have been a factor in his decision to delay the upgrade. Get ready; build your 10M antenna, whether beam or dipole or EDZ. Speaking of antennas, LB Cebik has some wonderful articles on 10M antennas in his book: <http://www.antentop.org/w4rnl.001/anta.html> And, one of his more interesting articles is: <http://on5au.be/Cebik-2/2-elementYagis-howShortCanWeGo.pdf>.

The fun is just beginning!

73,

Jim / W4QO



Operator license classes: E = Amateur Extra A = Advanced G = General T = Technician N = Novice
 CW operation is permitted throughout all amateur bands. Except as noted, all frequencies are in megahertz (MHz).
 ■ = RTTY, data, phone, image ■ = USB phone, RTTY, data and CW ■ = RTTY and data ■ = phone and image
 ■ = SSB phone ■ = CW only

From <http://www.arrl.org/files/file/Regulatory/Band%20Chart/Band%20Chart.pdf>

NFARL Library Books / Mike Riley, KN4OAK

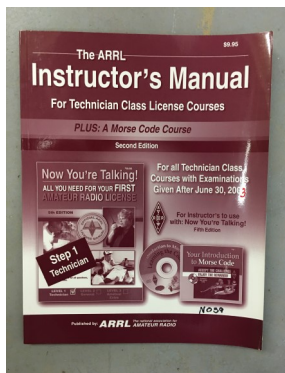
Earlier this year we moved to our new meeting location at Preston Ridge Community Center. When we moved, we knew we would not have space to store all the North Fulton Amateur Radio League library books stored in the rolling chest in the back room at the North Park Alpharetta Senior Center. Given the short notice on move dates, the library books and rolling chest have temporarily been stored in KN4OAK's basement.

At the time of the move there were over 150 periodicals and books in the chest. The rolling chest is about 2 feet wide by 3-1/2 feet tall by 3 feet long. It opens up to a 1 foot x 6 feet x 3-1/2 feet tall book shelf. It weighs a fair amount as it requires two people to pick it up. It's convenient that it is on 2-1/2 inch caster wheels.

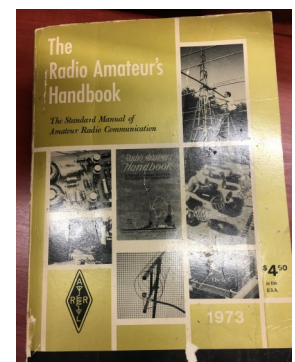
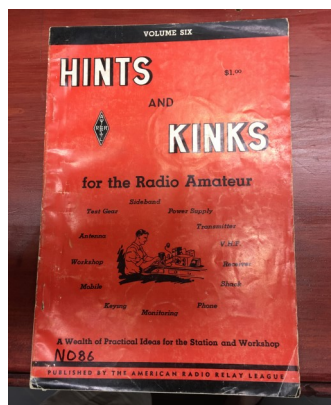
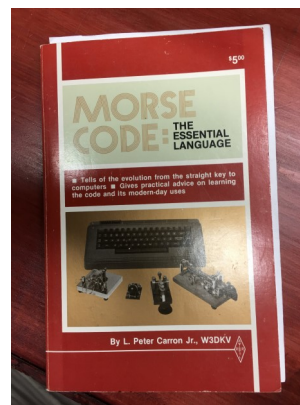
So the question quickly became "What should the club do with this library?" This was followed by "Should the club try to maintain a library going forward into the future?" Most of the library content is reference material. While a good bit of it is over ten years old, it is still useful as reference material. We brought some of the "common" materials to our June meeting for the purpose of letting member attendees review it and take what was of interest. We were gladly surprised that all of the library materials were claimed!

Before "unloading" the materials to club members, we decided to make a list of the titles, ISBN, and publication information. Presently we've gotten through about 70% of what was in the rolling case. We also started comparing the actual materials to the last electronic list of library books available. Given the elapsed time since any major review or audit, we weren't too surprised by the gaps we discovered. There is an equal amount of listed but missing and unlisted but present materials.

At this point we haven't discovered any treasures of immense monetary value, but have come across some interesting items which are older than me.... Some might be older than some other club members... We'll continue to catalogue what's left, then bring some more "give away items" to the July and future meetings. We'll likely hold onto the "unique" items until we figure out what to do with them. The same goes for the rolling cart. So- if you have any suggestions, please drop us an email (KN4OAK@nfarl.org), give us a call (404)680-2132, or speak to us (any NFARL Board member) at the next club meeting.



Here are four of the remaining library books. These were picked randomly from the pile....



Congratulations to All New & Upgraded Hams! / Wes Lamboley, W3WL

July 10, 2021 VE testing

Now that we are able to have in-person meetings again, we will be able to get to know each other better. This is a different report on the Amateur Radio test takers, and includes some background information on each. There may be kindred souls in the list, so you can “reach out” and welcome them to the Club. If not, my recommendation is that if you are at a Club meeting and you see someone you do not know, do just go up to them and introduce yourself. I have found that a good conversation starter is “How did you get interested I ham radio?”. I am really looking forward to the next meeting and seeing old friends and meeting some new ones!

We had the following for the VE Test session for July 10, 2021:

John “Dan” Hale, dan@danhale.com - John was a novice when he was 7 years old and let his license elapse. He has decided now he has time to enjoy Ham Radio and has passed his Technician License. Dan likes playing Trivia and lives in East Cobb. His professional life was in IT and lite programming.

Maurice Berg, KO4MPH, [mnjb1@comcast.net](mailto:mnpj1@comcast.net) – Maurice lives in Marietta and received his General License. Maurice does Web Design as his profession. Maurice wanted to get a license in order to communicate with his good friend in Michigan who is a ham.

Ben Garrett, KO4RFU, ben@catbird.net – Ben passed his General test July 10th and is ready to get into some HF operation. Ben is a Systems Integrator and programmer in his business career.

Adam Kamor, adam@tonic.ai – Adam has a PHD from Georgia Tech and worked for Microsoft for a number of years. He decided to move back to Atlanta and start his own company two years ago. He now has 33 people working in his business (Tonic). He specializes in data integration and conversion. He lives in downtown Atlanta. Adam passed his Technician test and is coming back to take the General. He is very interested in building his own radio and amplifier.

Mike Trippe, Michael.trippe@gmail.com – Mike passed his Technician test and plans to continue to the next step. Mike lives is PTree Corners and works in RF and Microwave. He is an Electrical Engineering graduate from The University of Florida. He currently does not have a radio or antenna and will need help and advice in this area.

73,

Wes – W3WL



Candidates taking exams



The VE Team present

100 Years of Beverages

June 7, 2021 is National Beverage Day. I made that up, but it's a reasonable idea. I did re-search it a little. There already is a National Beverage Day. It's May 5th and in celebration of beverages (small b). It seems all the good days are already taken.

This month I'd like to touch on the history of the Beverage antenna and highlight a few of its attributes people may have missed. Such as:

They don't have to be as long as you think they do.

They are not just for the low bands.

Harold H. "Bev" Beverage invented his eponymous antenna in 1921. He received patent US1381089A for his "Radio Receiving System" on June 7th of that year. The patent expired in 1938. The Beverage antenna was, and is, a great invention. It has stood the test of time. Both hams and commercial stations still put them up and use them to advantage. The largest ham Beverages are typically one wavelength long at 160 meters – 545 feet, although a lucky few have room for Beverages that exceed that length. Over the years there have been Beverages built at commercial HF stations that are many thousands of feet long, but not necessarily many wavelengths long.

By the end of 1921 Beverages up to nine miles in length had been installed by RCA at Riverhead, NY; Belfast, ME; Belmar, NJ and Chatham, MA, for transatlantic radiotelegraphy (not telephony). Each of those locations is on salt water. 1921 was a tipping point for radio technology. Hams had mostly, but not completely, moved from spark to CW.

Commercial stations were all CW but hadn't been for very long. Regenerative receivers were just coming about. Commercial station transmit power was mostly limited to less than 10 KW (with one exception). Long distances were covered by BIG antennas on very LOW frequencies.

The exception for high power was achieved by a device called the Alexanderson Alternator. About 20 of these were built. They put out 250 KW on frequencies below 20 KHz. One still exists. They were huge and hot. Station operators used to sleep next to them to keep warm. There were other high-power ideas tried in those days, including something called the Poulsen Arc, but most proved impractical.

From Wikipedia:

"Perhaps the largest Beverage antenna – an array of four phased Beverages three miles long and two miles wide – was built by AT&T in Houlton, Maine, for the first transatlantic telephone system opened in 1927."

That's a six square mile antenna. I don't have a description of that Houlton station nor know its operating frequency, but I modeled a 9 mile long Beverage thinking I would see phenomenal performance. Performance goes up as length in wavelengths increases. Modeling at 20 KHz, a 9 mile long Beverage turns out to be one wavelength long! It's the same as a 545 foot Beverage on 160 meters. Modeling indicates the performance for the two is practically identical.

Meanwhile, longer Beverages (in terms of wavelengths) produce exceptional performance. If the RCA stations with 9 mile Beverages were operating at 500 KHz, the antennas would have been 24 wavelengths long. Figures 1 and 2 show the azimuth and elevation patterns of a 24 wavelength Beverage at 500 KHz. The patterns tell the story.

Continued on next page...

Around the Shack / Continued from Page ...

It's important to think of the Beverage antenna in terms of wavelengths, not feet. Which brings me to this month's first point: They need not be as long as you might think.

Two months ago I mentioned the BOG antenna – Beverage on the ground. BOGs are half the length of conventional Beverages. A 260 foot BOG will perform approximately as a 545 foot elevated Beverage does on 160 meters. Also, Beverage antennas are particularly useful up through 30 meters, given most stations don't have Yagis or arrays (verticals or wires) for frequencies below 14 MHz.

While the extra wavelengths a full sized 545 foot (or longer) Beverage can provide on higher frequencies is always desirable, we can settle for one wavelength and still have useable performance. A one wavelength Beverage for 80 is 270 feet long. An 80 meter BOG is 135 feet long. A one wavelength Beverage for 40 meters is 138 feet long. A 40 meter BOG is 69 feet long. Beverages for higher bands can be practical on small lots - particularly BOGs.

The second point is that the directional performance of a Beverage is present for all frequencies above the length of one wavelength. For example, a 160 meter (545 foot) Beverage works fine on 80, 40, 20 and even 10 meters. The antenna pattern improves as we go up in frequency because the length in wavelengths is going up. This isn't simply a theory.

W3LPL is a multi-multi transmitter contest station in Maryland. As many as 12 Beverages have been used there at times. They are oriented in azimuth to cover the paths favored for contesting. Each operating position at W3LPL can receive on any of the Beverages and any of the Beverages can be used by more than one rig at a time. For example, at night the Beverage oriented toward Central Europe might be in simultaneous use on 160, 80 and 40 meters. The Beverage farm at that station is complex. There are preamps and bandpass filters used to balance signal levels and prevent the transmitters from overloading the receivers. It all works great.

At W3LPL the 10 meter stacked Yagis will easily out-perform a Beverage receiving antenna, but contest stations sometimes run two rigs on the same band at the same time. To prevent receiver overload, listening on a remote Beverage can mitigate that problem. That's probably not a problem at your station, but I mention it to illustrate Beverages do work on 10 meters.

A few summary comments:

If, like most of us, you do not have the means to build a 545 foot Beverage, don't rule the antenna out. One wavelength at 40 meters is 138 feet. A 40 meter BOG is 69 feet long and nearly invisible given it's laying on the ground.

If you are lucky enough to have room for one or more 545 foot Beverages, consider using them as receive antennas all the way up to 10 meters. They will add station flexibility and sometimes hold their own against Yagis, depending on the angle of arrival of signals and the location of local noise sources. The old adage "You can't have too many antennas" comes to mind.

I think it's worth mentioning that one characteristic of Beverages that has sometimes proven difficult is bringing a feedline to the far end. There is now a clever approach that has solved that problem. Using Unified Microsystems BevFlex-4 products, you can place the feed point anywhere

Continued on next page...

Around the Shack / Continued from Page ...

along a Beverage. That's usually helpful!

In fairness, I do need to mention that as of this writing, some serious DX'ing and contest stations have been replacing their Beverage farms with phased arrays of short verticals. Before making a major investment in receiving antennas, it would be wise to trade the two approaches off for your specific needs and resources.

73,

Hal, N4GG

If you enjoy the Around the Shack columns, you can find more to read in my book: Ham Radio Tips and Tales. Available at Amazon.

Figure 1. The elevation pattern of a 24 wavelength (9 mile long) Beverage at 500 KHz.

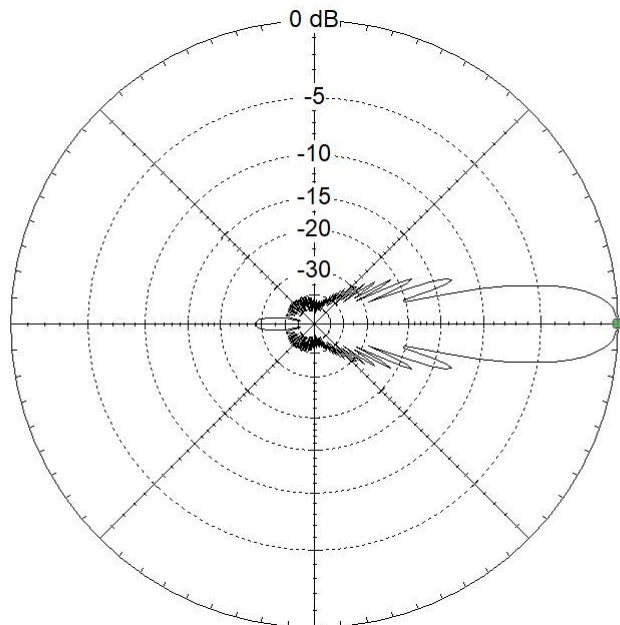
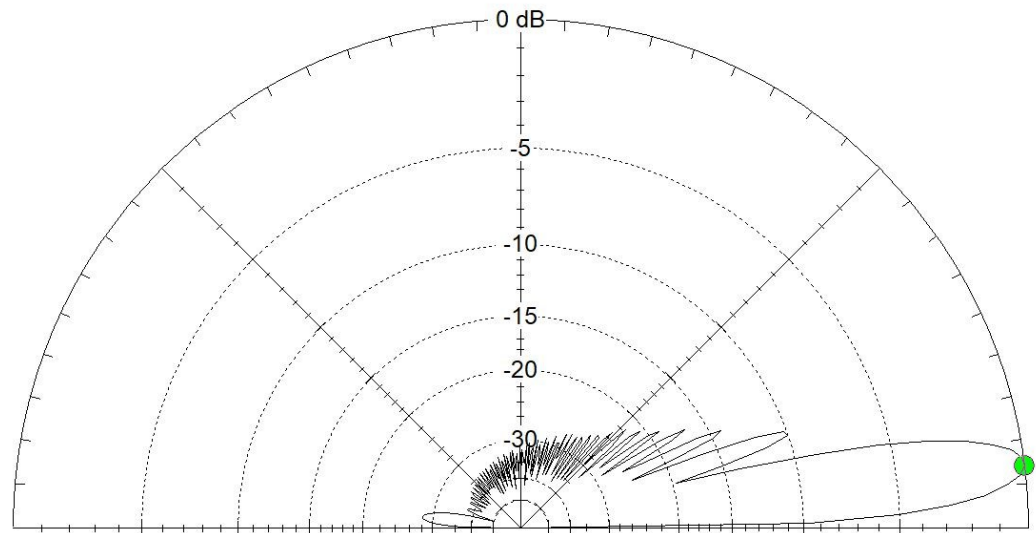


Figure 2. The azimuth patter of a 24 wavelength (9 mile long) Beverage at 500KHz.

Extra Extra! / From the Extra Class Question Pool

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



E7C10 — Which of the following filters would be the best choice for use in a 2 meter band repeater duplexer?

- A. A cavity filter
- B. An L-C filter
- C. A DSP filter
- D. A crystal filter

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](#).

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 <https://contestcalendar.com/index.html>

- **10-10 Int. Summer Contest, SSB** 0001Z, Aug 7 to 2359Z, Aug 8, 2021
- **ARRL 222 MHz and Up Distance Contest** 1800Z, Aug 7 to 1800Z, Aug 8, 2021
- **North American QSO Party, CW** 1800Z, Aug 7 to 0559Z, Aug 8, 2021
- **Kentucky State Parks on the Air** 1400Z-2200Z, Aug 14, 2021
- **Maryland-DC QSO Party** 1400Z, Aug 14 to 0400Z, Aug 15, 2021

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
Dining Room now 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 Thursday — CW SIG** — 8:00 PM on ZOOM. Meeting ID is 815 5160 3634; password is CW-CHAT (all CAPS)



NEW!!!



- **Every Saturday — Royal Order of the Olde Geezers "Breakfast"** - 8:45AM-10AM
This informal breakfast group on Saturday mornings is NOW ***AGAIN*** meeting IN PERSON. **A notice that Lodge Number 1 of The Royal Order of the Olde Geezers, will convey its weekly soiree at Reveille Cafe, 2960 Shallowford Road, Marietta 30066 in the Kroger shopping center (Shallowford Rd and Sandy Plains). The festivities commence at 8:45 am on Saturday.**

- **Second Tuesday — NFARES Meeting - Aug 10, 2021** ***Presently- Online meetings only*** Check NFARES.org for more information.
- **Second Saturday – VE Testing - NFARL Aug 14, 2021 session: COVID-19 Restrictions in place. By reservation only.** See the ["Test Sessions"](#) web page for details & registration process. Contact Ian at nv4c.ian@gmail.com for questions / concerns / reservations.

- **Third Tuesday — NFARL Club Meeting** - July 20, 2021, 7:30 PM
LIVE meeting! NEW LOCATION! Preston Ridge Community Center
— July 2021 Meeting: Social Catch Up; Hello to New Hams & New Members
Door opens at 7PM for Social Networking. Meeting begins promptly at 7:30. See Page 1
- **Fourth Tuesday – NFARL Executive Team Meeting** - July 27, 2020, 7:00 PM
Online meeting only
— monitor website and NFARL Groups.io reflector for updates.
- **ARRL-NFARL 2021 Field Day June 26th & 27th**— 24 HRS of radio beginning 2PM!
See Page 1 or go to <https://nfarl.org/field-day/>

Contact Us

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North Fulton Amateur Radio League

P.O. Box 1741
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nfarl.org

eNews can be located online at:
<https://www.nfarl.org/enews/eNewsIndex.html>

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: A (question E7C10)

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