

# Ham Chatter



Volume 55 Issue 9

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September 2021

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## BARC STARTED IN-PERSON General Meetings, Mask Required

**BARC's Next Meeting  
in Person!  
Sept 14, 2021, 7 PM**

### Our condolences to Richard Cox

Our past member Richard Cox's wife passed away last week. Richard told me earlier this week that both of them had been in the hospital, and he just got home this week. I think she died of the virus. Since I had been through the same thing I told him when he is ready to talk, I would talk with him. He said he would call me when he is ready. I think the funeral is early Sept, but no further info on that.  
73

Bernard Nobles WA4MOK



*All members, families and guests are invited to attend.*

**Sept 14, Dave Wood's Home for Dinner and meeting.  
Come early and visit.**

**September** brings the **FAMOUS BBQ party** at Dave Wood's house. There will be rag chewing and tables for a swap fest. We will take nominations for BARC Officers for the next year. Have your nominations ready! Not to be missed!

Next Meeting Oct. 12, 2021

**BARC Emergency Communication Workgroup (BECW)**  
Zoom 7pm, Sept 21.

**Board Meeting - Sept 28, 2021**  
The meeting will be on **ZOOM** at 7:00 PM. All members invited.

## VE News

### NEXT Known VE Testing session

Will be XXXXXXXX, 2021. Space is limited and reservations is required. Go to the ARRL website and lookup for testing in your neighborhood and lookup Gerald KN4CKL.

You can practice at "Ham Test Online"

The contents of this Newsletter doesn't necessarily express the opinion or views of Brightleaf Amateur Radio Club or it's members. No offence is intended.



## Happy Birthday

Brightleaf Amateur Radio Club members birthdays in May:

09-01 KG4NSC Pat Williams  
 09-01 KC4ROR Rose Wainwright  
 09-05 KQ2V Bro. Simon Jaworski  
 09-06 KD4MTT Mike Langley  
 09-14 WA4DAN Murray Adams  
 09-20 W4FA John Schultz  
 09-26 KC4HHW Billy Elks  
 09-29 WA7FXB Albert Sanchez

Please let me know of any additions or corrections. If yours is missing, I don't have it! email [hamchatter@w4amc.com](mailto:hamchatter@w4amc.com)

## Presentation Ideas Needed

Who do you want to see or hear giving a Presentation at the Meetings? Let Byron know. Email him at: [bhighland@nc.rr.com](mailto:bhighland@nc.rr.com)

**Missing out on seeing folks in person at the meetings? We're Starting up again!**

Join us on ZOOM or in person. We miss seeing you too.

### Login for BARC meeting on Zoom

Peter Van Houten, N4PVH, will be running Zoom for the meeting. To join, use his Zoom number, 699-723-8982. The password will be sent via email. If you have problems, call or email Peter or another club member.

## Well Wishes

Thoughts and Prayers go out to the following:

Richard Cox, on the passing of his wife in August.

Please inform the Vice President and Ham Chatter of any changes or needs.



## Next VE Session

**Regular SESSIONS CANCELLED DUE TO COVID-19?**

Study material at: <http://www.arrl.org/courses-training>. Please bring to the Test the following, required:

- Photo ID (drivers license)
- Original Amateur Radio License
- Copy of Amateur Radio License
- Original CSCE's
- Copy of CSCE
- Test fee is \$15.00 .
- ♦ • Proof of Tech Plus if before 3/21/87 and doing paper upgrade to
- ♦ FRN number is required. \*
- ♦ A valid Email address will need to be provided.

Go to <http://www.w4amc.com/barcinfo.html#VE> for more information.

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## President's Corner, Peter Van Houten, N4PVH



Dear Members:

I write this as **Hurricane Ida** devastated New Orleans and LA state. What images, what destruction, what pain and suffering I see on TV new reports and feel helpless to assist. In truth, we can help by donating to the Red cross and other charities that have a proven track record of helping in such emergencies. Calls for help on Facebook are, to a higher degree, scams looking for money so beware! I thought of going to the disaster area but I would probably be in the way, need rescuing myself from the situation, increasing the burden on the first responders. Besides which, I have not done my homework (Take the ICS courses).

My wife pointed out to me that the news reports during and after the hurricane lamented that internet and cell phone communication was either unreliable or not available at all due to the storm, just like our own local situation after Hurricane Floyd. The loss of the internet and cell phone communication sources we have come to take for granted made it very difficult for those needing help to communicate their dire situations, and for those trying to help them to communicate with those in trouble, or with others who might be able to help. Sadly, this is where a network of

ham radio operators who were trained to deal with these extreme circumstances could offer critical, even life-saving service to devastated communities.

So what can we do? First, educate our government, media, and anyone else who can spread the word about how instrumental ham radio can be in situations like a major hurricane. Enhance and practice your emergency services radio skills and make sure others know ham radio operators are invaluable in situations where more routine communication no longer work. **Volunteer** locally to the larger organizations that are gathering food and supplies to be shipped there. Help the Red Cross with their mission to get support there. Listen on the radio for calls for help but keep the airwaves clear of chit-chat that would block weak signals coming from the area. Get your **ICS training** up to date by going on line and taking the courses (100, 200, 700, 800) at a minimum (yeah, I'm talking to me!). Practice being **net control** on our 2 meter net on Monday night (8pm 147.090 MHz.) so that if you are asked to do it, you do not have "mic fright" and cannot function. Building **emergency antennas** like a Slim-Jim 2 meter antenna that

# President's Corner

Continued

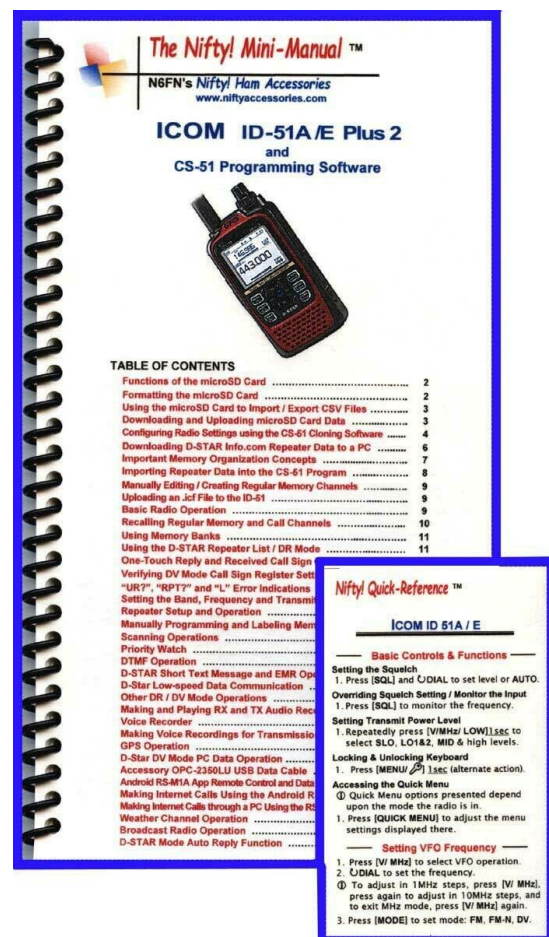
can be hoisted into a tree if the repeaters fail. See who you can contact via simplex in our local area. **Understand how to run your radio** and tune a frequency, change from duplex (on the repeater) to simplex on the repeater's output frequency. Make a **list of the local repeaters** and program them in to the memories of your radios. Include the **national calling frequency** in the first memory as **146.520 simplex** followed by the local repeaters and then surrounding repeaters in distant towns. Maybe also program the repeater setting for full duplex in one memory and the same frequency but simplex in the next memory. This way you can change from normal duplex to simplex at a change of one memory location for that specific repeater, making it easy to change to what you need at a moment's notice. I put in the NOA Weather channel in one memory (162.475) so that I can get updates easily. I put aircraft general frequency in another to monitor the air traffic in case there are helicopters flying overhead. How about APRS frequency in a memory (144.390).

Make a "Go-Bag" that is ready to be grabbed on your way out the door to help. Of course, you need to take care of your family and home first but if we are prepared, that should fall into place. Have the manuals (like the small "**Nifty! Mini-Manuals**" for your radios ([www.niftyaccessories.com](http://www.niftyaccessories.com))). How about putting power poles on all the power lines of your 12v gear so that it is compatible with the ARES trailer and many other locations that need 12v. How about adapters to go from SMA antenna connectors on your HT to your Slim-Jim (PL259)? It would be a shame if you could not help because you could not adapt your rig to the available emergency power or antenna.

There are so many things we can do to help. The fact that we feel the need to help and be ready to help our community in times of emergency is incredibly good. Isn't this one of the reasons we became Ham's in the first place? So let's get ready for "the big one" and be able to

help when called upon. Keep a look out for an antenna building party and another Simplex test like done on a previous Saturday. These will be announced on our web page. Stay safe and get ready!

73 Peter, N4PVH





Hi folks,

September is here by the time you get this. I admit, I tend to procrastinate. Love my Gaming and time does fly. So I'm in my 11th hour doing this newsletter.

Hurricane Ida has hit down south with power down to many. I'm sure the Repeaters are busy if they are still operational. I hope you all been thinking and have your radios setup for anything that may happen around us that may be close to what happen down there. One way would to be having Simplex channels programmed into the radio for your Repeaters, perhaps for others too. The Linking system we have here on the East Coast is only good intill something gives out. Last thing you need is to try to remember how make changes to your radio in a Emergency or Event.

The New Bern MS Bike is this Month. I'm helping with it this year. I hope I remember to set and turn on my alarms this time. Check-in time is 6am. With a hour travel time for me and last minute throwing thing into the car, I expect to be getting up around 4am on Saturday. Last time I went, I set my alarm, but forgot to turn it on.

Our August meeting had 13 live attendees and 3 Zoom.



### Help the Editor.

Do you have something to say or post? Want to right a article? Any ideas? Comments and notice's of help needed (Personal or club needs or activities. Can be BARC related or other club's). Have interesting photo's or articles? Done something related to radio? Please let us know and we may add them to the Ham Chatter and web page Blog.

Send it along to the Editor at Ham Chatter. We will see if we can fit it in.

By the way, My sister and I joke about me being a "Ape in the Zoo".

### New Bern Amateur Radio Club starting Live Meetings

Next meeting is Monday night, August 2, 2021, @ 6:30 PM (Always 1st Monday of each month) at Moore's Old Tyme Chicken, BBQ & Seafood, 3621 Dr. M.L.K. Jr Blvd. New Bern, NC 28562 (next to Harris Teeter Shopping Center). Be sure to drop by and check out the New Bern Amateur Radio Webpage at <https://nbarc.org/> and check out the wealth of info on the LINKS page at <https://nbarc.org/ham-links/>

### Other Club's Zoom Meetings and News

#### Forsyth Amateur Radio Club (FARC) W4NC

Like us, FARC is also having to deal with the Virus these days. They meet on the 2nd Monday of the month on ZOOM at 7:30 PM. The Log on is 294 418 122 with the Password being the club call in lower case.

They have also started to meet Live at Red Cross After discussions with the Red Cross, we can start using the facility in July under the following conditions set by the Red Cross: 1. Fully vaccinated persons - no mask required, no social distancing required. 2. Unvaccinated persons must wear a mask and must socially distance.



## Communications Status Report for Areas Impacted by Hurricane Ida August 30, 2021

[Gary Wilson](#) · [3h](#) · (Facebook)

Why we routinely test Amateur Radio as a backup communications method between the 21 County EOCs and the NJSP OEM EOC. We've been doing this monthly since 1954.

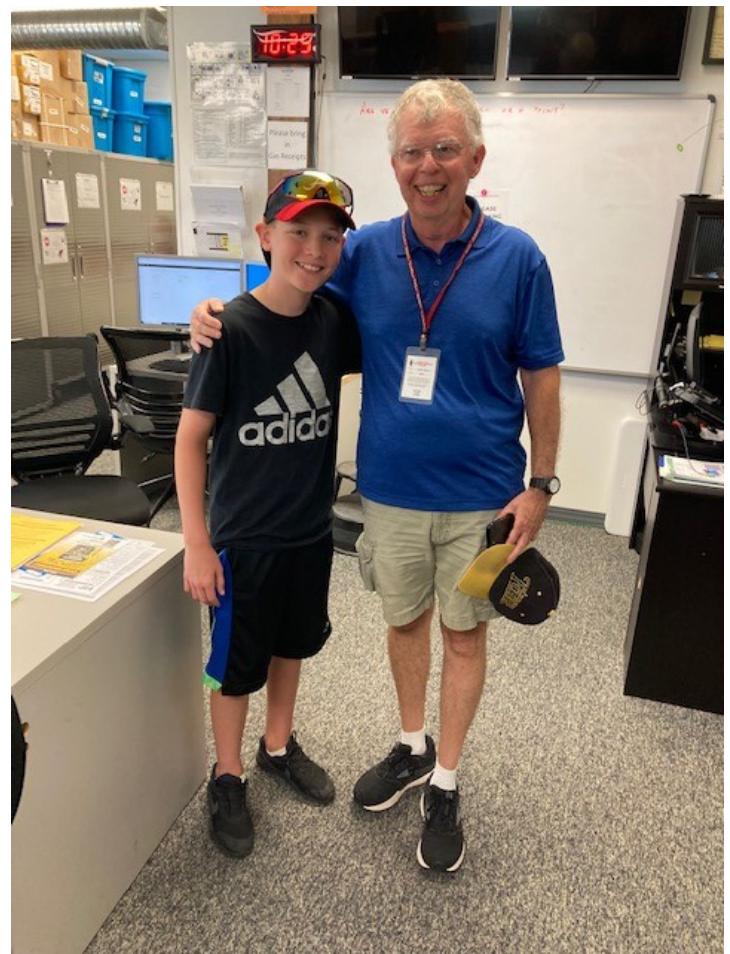
Without electrical power, many cell sites go down after a day.

(The Link below takes you to a report concerning power and communication sources running or down in the Hurricane affected areas. — *Editor*)

[https://l.facebook.com/l.php?u=https%3A%2F%2Fdocs.fcc.gov%2Fpublic%2Fattachments%2FDOC-375318A1.pdf%3Ffbclid%3DIwAR0FjrN1cOglOxQQcG6eYvMojf8sN2oHSx--WP\\_wFio1DIKHNgfhlyplLSM&h=AT2hCv29LU5bAE2vsIqLKngZ7GyFDtccuZqxMR5oHhns\\_FagF4kILTAS95tKhQ3\\_FhKrS878YIWtSDoWA7DXEDSA8J3c0ashCKUuOzGSampcTXUN\\_-5V87zUByl\\_SUxF2Ov&tn=H-R&c\[0\]=AT1Xs6LXfiontmGwWYfH\\_0swysGV-gOyKAvvV5Owk-2T6y\\_lIXO2JdcUhYwZQy-fN7vIP-MajXt8iEQsE97n9wXCds26S1MM4A1Cqg8HD\\_xHTW\\_PUCMY6kj\\_ySSFmMp5S32joSFItN5IF3-Jy-DOvm7k8f9tovjTXMoWFr9x0GZOQwC5CqsquP-](https://l.facebook.com/l.php?u=https%3A%2F%2Fdocs.fcc.gov%2Fpublic%2Fattachments%2FDOC-375318A1.pdf%3Ffbclid%3DIwAR0FjrN1cOglOxQQcG6eYvMojf8sN2oHSx--WP_wFio1DIKHNgfhlyplLSM&h=AT2hCv29LU5bAE2vsIqLKngZ7GyFDtccuZqxMR5oHhns_FagF4kILTAS95tKhQ3_FhKrS878YIWtSDoWA7DXEDSA8J3c0ashCKUuOzGSampcTXUN_-5V87zUByl_SUxF2Ov&tn=H-R&c[0]=AT1Xs6LXfiontmGwWYfH_0swysGV-gOyKAvvV5Owk-2T6y_lIXO2JdcUhYwZQy-fN7vIP-MajXt8iEQsE97n9wXCds26S1MM4A1Cqg8HD_xHTW_PUCMY6kj_ySSFmMp5S32joSFItN5IF3-Jy-DOvm7k8f9tovjTXMoWFr9x0GZOQwC5CqsquP-)

## Welcome to our new young Ham

BARC would like to extend a special acknowledgement to one of our newest hams, 12 year old Kaden Campbell, KO4RXT. Kaden is a 7th grader at Wilson Prep Charter School, which is a STEM focused school. Kaden became interested in becoming a ham after visiting Dave Wood, W4EJ's station. Dave began mentoring him in March and Kaden passed his test in July, in Washington. Dave made sure that Kaden understands the concepts rather than just memorizing the answers on the test. Dave is also helping him set up a station which will have capabilities on 10, 2 and 70cm. Additionally, Kaden is an ardent baseball player and is the catcher for his little league team. Dave reports that Kaden and his family are a delight to work with. Congratulations to Kaden and many thanks to Dave for your mentorship.



## Notes on BARC Elections

Elections at BARC are coming upon us. All seats except Secretary are up for grabs! Non elected positions are volunteered and approved by the board. If interested in a position, please "Write-In" your name at any position.

At the September Meeting (Picnic), the Nominating Committee (the board members) will finalize the slate. After that, Write-Ins are taken and they can run a campaign to get elected by writing an article in the Ham Chatter, sending an email to the membership outlining their reasons for running for that position. You have two months to run for the office of your choice.

Elections will be held at the November meeting and finalized there.

Y= open position, N= Not open position).				
ELECTED POSITION	CURRENT	OPEN?	NOMINATION	WRITE-IN
President:	Peter VH (N4PVH)	Y		
1st V.Pres:	Dave Langley (W4YDY)	Y		
2nd V.Pres:	Byron Highland (K4BMH)	Y		
Treasurer:	Jim Lowe (AC4JL)	Y		
Secretary:	Beth Gonzalez (KN4FZB)	N	Beth Gonzalez (KN4FZB)	
Trustee #1:	Bill Dawson (WA4SLC)	Y		
Trustee #2:	Dave Wood (W4EJ)	Y		
NON ELECTED	CURRENT	OPEN?	NOMINATING	WRITE-IN
HamChatter:	Mark Raysin (KG4GVJ)	N	Mark Raysin (KG4GVJ)	
Webmaster:	Peter VH (N4PVH)	Y		
VE Liaison:	Gary Coriell (KK4GC)	Y		
QSL Mngr:	Rich. Campbell (W4JNC)	N	Rich. Campbell (W4JNC)	
Public Rel.:	Peter VH (N4PVH)	Y		
Field Day:	Peter VH (N4PVH)	Y		
EmComm:	Byron Highland (K4BMH)	Y		

**Please fill out the positions and make sure who you write in is willing to do the job!**

73 Peter, N4PVH

**ARES/AUXCOMM News**

The five USB channelized 60-meter frequencies are available for interoperability (communication between services). By convention, Channel 1 is designated the calling channel. This convention is established to train the amateur radio community to reach out on Channel 1 in times of national emergency, for information from the federal government. The amateur radio community uses 60 meters on a secondary basis with federal agencies. This and similar 60-meter interoperability exercises are

conducted during the first full week of each month. More information [here](#). - **ARRL News**



\*\* At this time, Channel 1 and 2 is in use concerning Hurricane Ida communications. Intill finished with the need or Sept 6. \*\*

We also suggest keeping clear of the Frequencies use by Hurricane nets during this season along with posted frequencies during other Emergencies. *Editor*

**BARC Needs YOU!**

**BARC** needs to know where You think we should go as a Club. Service the Community, Contesting, Teaching, Elmering, What? Give us your thoughts. Contact Peter or the Ham Chatter.

**ARES Resources**

- [Download the ARES Manual \[PDF\]](#)
- [ARES Field Resources Manual \[PDF\]](#)
- [ARES Standardized Training Plan Task Book \[Fillable PDF\]](#)
- [ARES Standardized Training Plan Task Book \[Word\]](#)
- [ARES Plan](#)
- [ARES Group Registration](#)
- [Emergency Communications Training](#)

The Amateur Radio Emergen-

cy Service® (ARES) consists of licensed amateurs who have voluntarily registered their qualifications and equipment, with their local ARES leadership, for communications duty in the public service when disaster strikes. Every licensed amateur, regardless of membership in ARRL or any other local or national organization is eligible to apply for membership in ARES. Training may be required or desired to participate fully in ARES. Please inquire at the local level for specific information. Because ARES is an amateur radio program, only licensed radio amateurs are eligible for membership. The possession of emergency-powered equip-

ment is desirable, but is not a requirement for membership.

How to Get Involved in ARES: Fill out the [ARES Registration form](#) and submit it to your local Emergency Coordinator.

Articles in the Chatter can be from the ARRL Newsletters, ARES Newsletters and Section Managers. Others can be Material provided by others. Please respect possible copyrights.

## AUXCOMM Training

### REQUIRED TRAINING

The State of North Carolina has mandated that all personnel performing any functions within any Emergency Operations Center, forward Command Post, or any Incident where Incident Command System (ICS) is used have completed basic ICS training. This training is available via the FEMA Learning Institute's on-line training system at <https://training.fema.gov/nims/>. Training required is ICS-100, ICS-200, ICS-700 and ICS-800.

It is recommended taking the courses in the following order: ICS-700, ICS-800, ICS-100 and ICS-200. You will be asked to register for the courses and a certificate of training will be issued upon successful completion. Team members are requested to forward an electronic copy of their certificate's to the AuxComm - ARES EC at the email address below. Completion of these courses will permit AuxComm - ARES team members to perform Radio Operator at duties an EOC or other ICS Command location. Each course is self-paced and should take approximately 3 hours to complete on-line.

### SB QST ARL ARLB014 ARLB014 FCC Auto- Registration Feature for Exam Applicants to be Discontinued

Auto-registration in the FCC Commission Registration System (CORES) amateur radio exam for candidates using a Social Security number will be discontinued on May 20, 2021. Applicants must use an FCC Registration Number (FRN) for all license transactions with the FCC.

Examinees must register in CORES and receive an FRN before exam day.

Starting on May 20, electronic batch filed applications that do not include a candidate's FRN will be rejected. The Social Security/Licensee ID Field will be disabled.

The CORES website can be accessed at:

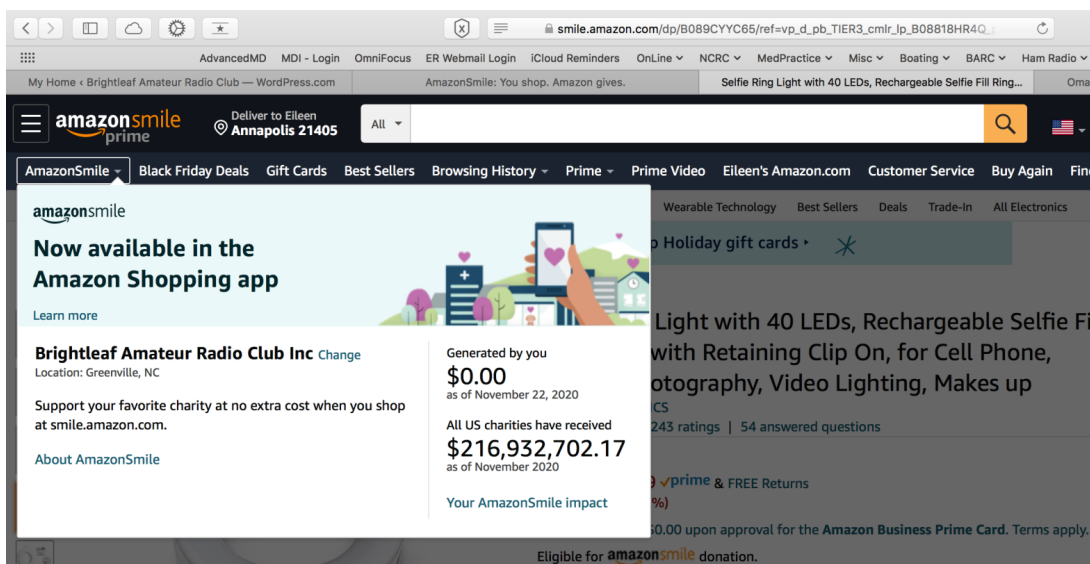
<https://apps.fcc.gov/cores/userLogin.do> .

## ARRL Learning Network Webinars

Visit the [ARRL Learning Network](#) (a members-only benefit) to register, check on upcoming webinars, and to view previously recorded sessions.

### Introduction to DMR and Digital Voice -- Tim Deagan, K8UJ / Thursday, September 9, 2021 @ 3:30 PM EDT (1930 UTC)

An introductory overview of digital voice (DV) technologies for ham radio. This presentation will focus on DMR with notes on System Fusion, D-STAR, and more. There will be a description of DV architecture and components, and the interesting oppor-



### Amazonsmile

Shop Amazon? Go to Amazonsmile and select “Brightleaf Amateur Radio Club” as your donation. Keep using this page and a percentage of your purchases will go toward your club.

tunities, as well as challenges, that DV presents.

ARRL members may register for upcoming presentations and view previously recorded Learning Network webinars. ARRL-affiliated radio clubs may also use the recordings as presentations for club meetings, mentoring new and current hams, and discussing amateur radio topics.

ARRL members may register for upcoming presentations and view previously recorded [Learning Network](#) webinars. ARRL-affiliated radio clubs may also use the recordings as presentations for club meetings, mentoring new and current hams, and discussing amateur radio topics.

The ARRL Learning Network schedule is subject to change.

## Announcements

### EMERGENCY PREPAREDNESS MEASURES

At the moment, it appears that most of North Carolina will be minimally affected by Hurricane Ida. However, you should use this time to assess how ready your station is for emergency operation if it became necessary.

- Are there trees or limbs which could break and take out your main antennas?
- What do you have in the way of a quickly deployable replacement antenna?
- Do you have a reliable backup power source and adequate fuel that is safely stored for the backup power source?
- If you have a generator, have you run it lately?

- Are key local frequencies programmed into your radios? Are neighboring repeaters programmed into your radios?
- Do you have a handy "cheat sheet" on how to front panel program your radios to new frequencies if needed? Does the cheat sheet list the needed tones to access neighboring repeaters? Have you tested your ability to reach those repeaters? Do you know the coverage of the repeater?
- Have you practiced operating on simplex and do you know which of your club members you can reach while talking on simplex if the local repeater was not available?
- If it has been a while since you checked into particular nets, do it now in order to assess if your antenna system is working properly. If you have HF capabilities, check into the Tarheel Emergency Net on 3923 KHz any night at 7:30 pm.
- Do you have charged, spare batteries for your portable radios?
- Has your club or repeater group checked on the backup power for the repeater?
- Do you have adequate supplies of water and food which will not spoil if there is an extended power outage?
- Do you have neighbors who may need to be checked on during an extended outage?

### DMR OPERATIONS IN NORTH CAROLINA

DMR is one of the fastest growing modes of operation around the world.

Using a hotspot, a ham can use a portable radio to talk around the world. DMR is popular because repeaters can carry two conversations simultaneously and there are reasonable prices portable and mobile radios.

In North Carolina there are four major networks using fixed infrastructure which cover the state or major portions of the state.

a. The PRN System which includes 60 digital repeaters in North and South Carolina. Daily operations provide coverage across both states from Boone to Hilton Head and Ahoskie to Clemson. Extended conversations can be taken to one of the chat channels. Switching to a chat channel that creates a temporary dynamic link between repeaters without tying up all 60 repeaters. In emergencies, the normal connection between NC and SC can be taken down so that each state can operate statewide independently of each other without any user radios having to be reprogrammed. Information can be found at [ncprn.net](http://ncprn.net).

b. The Eastern Healthcare Preparedness Coalition DMR Network is being deployed in eastern North Carolina which links VIDANT hospitals and includes two wide area DMR repeaters. Information can be found at [nc4es.org](http://nc4es.org).

c. A subset of the PRN system in the High Country involves 14 of the PRN system which covers most of the Western Branch for NC EM. The subset of PRN repeaters involves wide area coverage stations at Roanoke, Wytheville, Fancy Gap, West Jefferson, Wilkesboro, Boone, Sugartop (Avery County), Lenoir, Spruce Pine, Crowders Mountain (Gaston County), Albemarle (Stanly County), Hendersonville, Sylva, and Franklin. The High Country UHF Digital Net is held every Tuesday at 8 p.m. on the LOCAL talkgroup on these 14 repeaters which are automatically linked for one hour. This linking capability can be activated anytime that it is needed. In the near future, a DMR radio will be installed in the NCEM Western Branch Office in Conover.

d. The WNC Network involves DMR repeaters in Morganton, Marion, Gastonia, Asheville, Hendersonville, Waynesville and Franklin. They hold a weekly net of the WNC talkgroup each Thursday at 8:30 p.m. Information about the WNC network can be found at <https://www.wncdmr.net/>. This is a different system than the PRN system.

#### UPCOMING AUXCOMM TEST OF WESTERN AREA DMR CAPABILITIES

In order to learn more about the number of stations that can be reached in Western North Carolina a special test of network described in item c, above, will be conducted for Auxcomm purposes at 10 a.m. on Tuesday, August 31. We will activate the linking system and use the LOCAL talkgroup to conduct a roll call for stations in each of the five Western Branch Office counties (see map posted at [ncarrl.org/ares](http://ncarrl.org/ares)). The roll call will be done by area, beginning with AREA 11 and going numerically up to AREA 15. Counties will be called alphabetically in each area. All you have to do is give your name, your call and the county in which you are located. Be brief.

If you are unable to participate in the 10 a.m. Tuesday test, feel free to test your equipment by checking in on the scheduled High Country UHF Digital Net which is held on Tuesday at 8 p.m. on the LOCAL talkgroup on the PRN repeaters listed in item c, above.

If circumstances warrant, we will bring the linking system up again at 10 am. Wednesday, September 1, to gather information about any outages or damages in the western branch.

The purpose of this test is to identify the number and location of DMR operators in the Western Branch.

## MARS Announces Schedule of Dates for 60-Meter Interoperability

ZCZC AX02  
 QST de W1AW  
 Special Bulletin 2 ARLX002  
 From ARRL Headquarters  
 Newington CT February 3, 2021  
 To all radio amateurs

SB SPCL ARL ARLX002  
 ARLX002 MARS Announces Schedule of Dates for 60-Meter Interoperability

The Military Auxiliary Radio System (MARS) has announced dates in 2021 during which MARS members will operate on 60 meters for interoperability with the amateur radio community. Some dates coincide with quarterly Department of Defense Communications Exercises (COMEX).

All exercises will begin on channel 1 as the initial calling channel and move to other 60-meter working channels as may be appropriate.

"In addition to voice calls, I want to introduce passing ICS 213 messages in both voice and digital modes to enhance the overall interop experience," said US Army MARS Chief Paul English, WD8DBY.

English continues, "Our exercises will yield the frequencies to other scheduled exercises or mission activations, which may be called by other agencies for interop support (e.g., hurricane, wildfire, etc.). We regularly instruct MARS members to work cooperatively with the amateur radio community during the use of the 60-meter interop channels. We will continue to track our 60-meter usage and activities."

English said he plans to provide a quarterly usage report of 60-meter interoperability activities.

The interoperability schedule is as follows:

September 1 - 6  
 Exercise: Interop Outreach  
 Location CONUS



## ARRL on the Purpose of Amateur Radio



For over 100 years amateur radio and ARRL — the National Association for Amateur Radio® — have stood for the development of the science and art of communications, public service, and the enhancement of international goodwill. Amateur Radio's long history and service to the public has solidified the well-earned reputation that "Amateur Radio saves lives."

Amateur Radio Operators, due to their history of public service, their training, and the requirement that they be licensed by the FCC have earned their status as a component of critical communications infrastructure and as a reliable resource "when all else fails."

Amateur Radio is about development of communications and responsible public service. Its misuse is inconsistent with its history of service and its statutory charter. ARRL does not support its misuse for purposes inconsistent with these values and purposes.

October 1 - 31  
 Exercise: DOD COMEX 21-4  
 Location: CONUS  
 NNNN  
 /EX

## ARRL Podcasts Schedule

The latest episode of the On the Air podcast (Episode 20) features a discussion with Oliver Dully, K6OLI, who describes how amateurs use the Winlink network for various public service applications. He also discusses the equipment and software necessary to access Winlink.

The latest edition of Eclectic Tech (Episode 41) features a conversation with Lin Holcomb, NI4Y, about experiments he is conducting on 8 meters with his recently issued FCC Part 5 Experimental license, WL2XUP, from Georgia.

The On the Air and Eclectic Tech podcasts are sponsored by Icom. Both podcasts are available on iTunes (iOS) and Stitcher (Android), as well as on Blubrry -- [On the Air](#) | [Eclectic Tech](#).

## ARRL Learning Network Webinars

Visit the [ARRL Learning Network](#) (a members-only benefit) to register, check on upcoming webinars, and to view previously recorded sessions.

ARRL members may register for upcoming presentations and view previously recorded [Learning Network](#) webinars. ARRL-affiliated radio clubs may also use the recordings as presentations for club meetings, mentoring new and current hams, and discussing amateur radio topics.

**Introduction to DMR and Digital Voice by Tim Deagan, KJ8U / Thursday, September 9, 2021 @ 3:30 pm EDT (1930 UTC)**

An introductory overview of digital voice (DV) technologies for ham radio, focusing on DMR with notes on System Fusion, D-STAR, etc.

The session includes a description of DV architecture and components, as well as the interesting opportunities and challenges it presents amateur radio operators.

**Working the Pileup, presented by Ron Delpiere-Smith, KD9IPO / Tuesday, October 5, 2021 @ 1:00 pm EDT (1700 UTC)**

Ron Delpiere-Smith, KD9IPO, Vice President of the Chicago Suburban Radio Association and an ARRL Assistant Section Manager in Illinois, will offer an enlightening discussion on working a pileup from both sides of the contact. Whether your interest lies in ARRL Field Day, contesting, special events, or rare DX, this is a must-see presentation. Ron will discuss search-and-pounce and running techniques, when to use them, and some tips on working them to your advantage.

The [ARRL Learning Network](#) schedule is subject to change

## Announcements

The Intrepid-DX Group has announced its second annual Youth Essay Contest. The prize is an Icom IC-7300. The contest aims to gather views and suggestions of young people involved in amateur radio. The [Intrepid-DX Group Facebook page](#) has details.

The Asheville Radio Museum in Asheville, North Carolina, which houses a ham and vintage radio collection, marks its 20th anniversary this summer. The museum will host a public celebration from 12 until 3 PM on Saturday, September 11. For details, visit the club's [anniversary page](#).

- Radio Amateurs from the Amateurs Radio Algeriens (ARA) assisted in the government's response to forest fires in Ouacif (Tizi-Ouzou), where 65 people lost their lives. Communication networks in place were having trouble conveying emergency needs between the mobile station at Ouacif and the crisis unit in Tamda, via the ARA HQ station. The ARA volunteers completed their work on August 13.
- Seattle Auxiliary Communications Service

Founding Director Mark Sheppard, N7LYE, of Seattle, Washington, died in May. Sheppard founded the Seattle Auxiliary Communications Service (ACS) in 1993 to organize ham radio operators in assisting the City's Office of Emergency Management during emergencies. In 2000, Sheppard organized Comm Academy, a 2-day conference offering training for hams involved in emergency communications that drew up to 500 attendees. In 2021, he took Comm Academy online.

Connecticut Governor Ned Lamont ordered flags flown at half-staff to commemorate Colin McFadden, KB1YYG, a 26-year-old Bristol firefighter and EMT. McFadden died on August 10 after becoming ill while battling a fire, fire officials said. McFadden was an ARRL member and the vice president of the ARRL-affiliated Bristol Radio Club. Club President Dan Wall, W1ZFG, called McFadden "a very committed volunteer."

## Net Control Practice and Exercises Keep Wyoming Amateurs Sharp

Wyoming's Cloud Peak Radio and Electronics Group, CPREG, holds a weekly 2 meter training net that also serves as the county ARES net. Participation has been good this year, helped by the introduction of interesting exercises. Each month different volunteers are assigned to serve as net control, creating a group of trained operators with experience at controlling a net. If a net control misses a session, any member with a net script and net roll is invited to jump in and run the net.

Following the PACE model (Primary, Alternate, Contingency, and Emergency) plans for the net, the club repeater serves as the Primary repeater, another local repeater is the Alternate, and the Contingency frequency is 146.52 simplex.

One night it was announced, "the repeaters are

out, go to the Contingency option." We had a centrally located member on alert to act as net control -- a luxury we might not have for real, but a good idea for an exercise, to keep it functioning. Interest was piqued.

Recently we completed another exercise, this time without surprise because the idea was to create a tool we could all use. After calling the net on the repeater, we went to simplex following a publicized plan. The net control then called the roll. Each station was asked to note the calls of the check-ins they could copy. After the exercise, we combined the data to create a "contact matrix" indicating which receiving stations could copy which transmitting stations. The contact matrix should help in planning future 2-meter simplex operations.

Keeping the nets varied with different control operators and different exercises is one way to keep interest high. -- *Chris Smith, NX0E, Dayton, Wyoming*

## Get Set for SET: ARRL Simulated Emergency Test Ahead, Plan Now

The 2021 ARRL Simulated Emergency Test (SET) is just ahead. The primary ARRL-sponsored national emergency exercise is designed to assess the skills and preparedness of Amateur Radio Emergency Service® (ARES®) volunteers, as well as those affiliated with other organizations involved with emergency and disaster response. The primary SET weekend is October 2-3, but Local and Section-wide exercises may take place throughout the fall. The annual SET encourages maximum participation by all amateur radio operators, partner organizations, and national, state, and local officials who typically engage in emergency or disaster response.

In addition to ARES volunteers, radio amateurs active in the National Traffic System, Radio Amateur Civil Emergency Service (RACES), SKY-WARN™, Community Emergency Response

Team (CERT), and a variety of other allied groups and public service-oriented radio amateurs are needed to fulfill important roles in this nationwide exercise.

The SET allows volunteers to test equipment, modes, and skills under simulated emergency conditions and scenarios. Individuals can use the time to update a "go-kit" for use during deployments and to ensure their home station's operational capability in an emergency or disaster. To get involved, contact your local ARRL Emergency Coordinator or Net Manager. Check on upcoming planned activities through local, state, or Section-wide nets.



### Be a Net Control

Volunteer to help with the Weekly Net for BARC, or other nets. All are welcomed. It's great practice for if you need it for later, like First Aid training.

## WinLink Nets and Practice

### Great Lakes Area Winlink Net Started

A new Great Lakes Winlink Net has been started to promote the use of Winlink and training on the various facets of the hybrid amateur radio data/internet system. The net is open primarily to those states that border any of the Great Lakes: Minnesota, Wisconsin, Illinois, Indiana, Michigan, Ohio, Pennsylvania, and New York, and the Canadian province of Ontario. However, radio amateurs wishing to check in from other states or provinces anywhere are welcomed to participate. This net is modeled on the [Wisconsin ARES Winlink net](#).

The net check-in process is as follows: Send either a basic, plain text message, or use any of the forms templates on the Winlink Express platform available that will allow you to include the following line of text in the body of the message or in an appropriate part on the form you choose to send: FIRST NAME, CALLSIGN, CITY, COUNTY, STATE, COUNTRY. For example: RYAN, KB8RCR, REMUS, MECOSTA, MICHIGAN, USA.

The net started on Wednesday, March 10, and each week on Wednesdays, amateurs may send their messages or forms any time during the day using Winlink in any mode available, RF or via Telnet. Send your message to KB8RCR as the recipient on Winlink. - *Ryan Lughermo, KB8RCR, ARRL Assistant Section Emergency Co-*

*ordinator for Data Management/Special Projects, Michigan Section; and Official Relay Station*  
From ARES March 2021 Newsletter  
(Editors Note: Great way to learn and practice)

The EmComm Training Organization (ETO) will continue the popular Winlink Thursday exercises to foster Winlink-knowledgeable operators across the country leading up to a nationwide drill November 13, 2021. Procedures will include a weekly exercise for routine practice with a fourth Thursday exercise of a more challenging nature. Exercises will almost always include a Winlink Express Check-in form. Please [send questions about Winlink Thursdays](#). Questions about the ETO group can be sent [here](#).

The Canadian American Net ([CANAM](#)) aims to unite hams in the Eastern US and Canada. Some 40 amateurs from Canada and the US typically check in for each session, and the net accommodates CW and SSB. The Canadian-American Net operates 7 days a week on 7.153 MHz, with check-in starting at 1300 UTC.

**Recommend** programming your local Emergency Simplex frequency's into your Radio's. It's easier now than when you need them. Brightleaf Amateur radio Club uses the Repeater frequency in case of Repeater failure.

## NETS

### VHF/UHF

- ◆BARC Net, Mondays, 2000 on 147.09 MHz, W4GDF Repeater.
- ◆Down East Hospital Net, 2nd Tuesday of each month at noon  
Greenville 444.725 MHz, 91.5 tone N4HAJ  
Fountain 444.425 MHz, 88.5 Tone N4HAJ
- ◆Newport SkyWarn Tues. nights 2100E  
Grifton-146.685-88.5 tone
- ◆Newport-145.450..... IRLP 8561 links to Columbia
- ◆Jacksonville-147.000- 88.5 tone
- ◆Oriental-147.210-151.4 tone
- ◆444 Newport-444.825- 88.5 tone
- ◆Swansboro-146.760- 88.5 tone
- ◆Grantsboro-145 230 - 85.4 tone.
- ◆Kinston Amateur Radio Society Net, 1,3,4 Tuesdays, 2000 hrs. on 145.47 MHz., W4OIX repeater in Kinston.
- ◆Eastern North Carolina Traffic Net, Every night, 2030 on 146.685 MHz.
- ◆Wilson Amateur Radio Club Net, Thursdays @ 2000 on 146.76 MHz.
- ◆ Piedmont Coastal Traffic Net, Nightly 2030 on 146.88 MHz.
- ◆Carteret County ARS (CCARS) Emergency Net, Tuesdays, 1930 on the Newport 145.45 (-) MHz.
- ◆Coastal Emergency Linking Net, Wednesday, 2100 ET on Ahoskie 145.13, Buxton 145.15, Columbia 146.835 & 443.30, Elizabeth City 146.655, Greenville, 145.35, Hertford 147.33, Williamston 145.41 & 444.25
- ◆ 220 Net, Wednesday 2000hrs, 224.840 MHz -1.6, PL 91.5

### HF

- Tar Heel Emergency Communications Net on 3923 kHz Nightly 1930.
- NTS CW Nets
- ◆3.571 2000 hours, slow speed (5-8 wpm) Carolinas Slow Net
- ◆3.573 1900 hours, high speed (20wpm)
- ◆3.573 2200 hours, slow speed (12-14 wpm), South Carolina/North Carolina
- National Traffic System**  
Eastern North Carolina Traffic Net (ENCTN)  
146.685 (146.085 in) MHz (PL 88.5) 2030E

## BARC Email Addresses

- \*[Info@w4amc.com](mailto:Info@w4amc.com)  
to Peter Van Houten, N4PVH
- \*[Treasurer@w4amc.com](mailto:Treasurer@w4amc.com)  
to Jim Lowe, AC4JL
- \*[Hamchatter@w4amc.com](mailto:Hamchatter@w4amc.com)  
to Mark Raysin, KG4GVJ
- \*[QSL-VE@w4amc.com](mailto:QSL-VE@w4amc.com)  
to Richard Campbell, W4JNC
- \*[Webmaster@w4amc.com](mailto:Webmaster@w4amc.com)  
To Peter Van Houten, N4PVH

## Virginia EmComm



A Facebook Group that practices WinLink and other related modes every Wednesday. Many Hams all over involved.

**PRIMARY NET CONTROL: KW6GB**

See Facebook Group for more details. Joining group required to see page and comment.

### ( Example of a Wednesday)

**\*\*\* Winlink Wednesday (Episode #252) \*\*\***  
**07/07/2021**

This being the first Wednesday of the month, weather snapshots are requested; see below for details (no attachments of any type, please). Standard check-ins are always welcome.

**WHO:** All amateur radio operators

**WHAT:** Winlink Wednesday

**WHEN:** Wednesday, 7 July 2021, 0000-2359 EDT (*UTC: 0400 Wed - 0359 Thu*)

**HOW:** *This net will accept check-ins via Winlink only. Send a check-in via any RMS during the timeframe above, or participate in one or both of the P2P sessions below.*

*Please do not use a "Telnet Winlink" connection (which defeats the purpose of Winlink). The goal is to have the message leave your station via RF.*

Please remember to use the correct format for check-in, as shown below (check-in message on a SINGLE LINE), or with optional weather snapshot on second line, over an RF connection.

**To:** KW6GB (*or alternate NCS, as appropriate*)

**Subject:** Winlink Wednesday Check-In

**Message body:** call sign, first name, city or town, county, state (HF or VHF, etc.)  
observation time, weather conditions, temperature <<<--- WEATHER ON SECOND  
LINE

See example in my signature line, below.

### **PEER-TO-PEER SESSIONS:**

**Morning session:** 0730-0930 EDT, (*UTC: 1130 - 1330*), **ARDOP P2P**, several frequencies (see chart below).

<b>Net Control Stations - Morning P2P Session Only</b> Please check in through <b>ONLY ONE</b> of these stations each week.				
Role	Station	Dial Frequency	Operator	Location
Primary	KW6GB	3582 kHz	Greg Butler	Warren County, VA
Alternate	KM4DC	3585 kHz	Don McCubbin	Fairfax County, VA
Alternate	KN4LQN	3590.5 kHz	David Elkins	Chesterfield County, VA
Alternate	N4ACK	3565 kHz	Lyle Piner	Isle of Wight County, VA
Messages sent to Alternate NCS must be addressed to the receiving station.				

**Afternoon session:** None.

**Evening session:** 1900-2130 EDT, (UTC: 2300 Wed - 0130 Thu), **VARA P2P**, 3582 kHz (dial).

<b>Net Control Station - Evening P2P Session</b>				
Role	Station	Dial Frequency	Operator	Location
Primary	KW6GB	3582 kHz	Greg Butler	Warren County, VA
No Alternate Net Control Stations.				

Watch Facebook for details when active.

On Thursday, all check-ins will be acknowledged, and a net report and complete roster will be published to the Web.

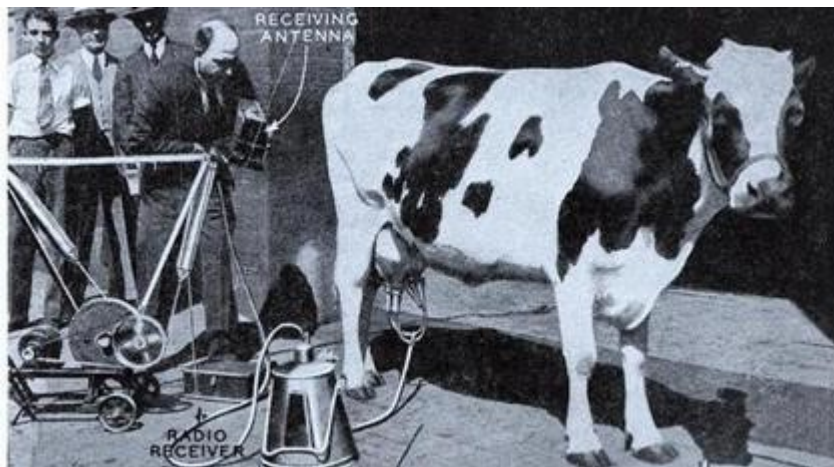
73,  
 KW6GB, Greg, Front Royal, Warren, VA (VHF)  
 0815L, clear, winds calm, 69dF



Content copyright ©2020-2021 by Greg Butler, KW6GB. All rights reserved.

## Miraculous radio-controlled milking-machine of 1931

With only a five-foot length of copper, it was possible for the farmer of 1931 to milk his cows by radio control!



THERE seems to be no end to the versatility of radio in these days of electrical and mechanical miracles—not even cows and street cars are immune to the influences of its radiations. As a curtain raiser at the annual radio show held recently in St. Louis, a street car was operated from a distance by a mere man with a radio transmitter in his hand, and a Holstein cow was made to dispense her milk by the medium of radio waves, whether she liked it or not.

The mechanism of the trolley car and the mechanism of the milking machine were hooked up to a specially constructed radio receiver using only a five-foot length of copper pipe as an antenna. At a distance stood the operator, holding a portable radio transmitter using a similar antenna, as shown in the accompanying photos. When the key was pressed at the transmitter, the distant receiver in both cases set the machines to operating.

### [Radio Milks Cows, Runs Street Cars \(Feb, 1931\)](#)

[CORY DOCTOROW](#) 11:49 PM THU SEP 4, 2008

## Announcements

The Amateur Radio Emergency Data Network (AREDN<sup>®</sup>) Development Team announces the [availability](#) of a new stable production release of their software, version 3.21.4.0. This version supports new devices from the MikroTik, TP-Link, GL.iNET, and Ubiquiti.

## Upcoming ARRL Section, State, and Division Conventions

Many conventions and hamfests have been canceled or postponed due to the coronavirus pandemic. Check the [calendar of canceled events](#) on the ARRL website.

Find conventions and hamfests [in your area](#).

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## MS Volunteer's

After months of hard work, I am thrilled to announce the launch of the National MS Society's new volunteer portal!

For volunteer opportunities happening after July 1<sup>st</sup>, 2021 you can sign up using our new volunteer portal, which means you can sign up for our **Bike MS: Historic New Bern Ride** happening the weekend of **September 10<sup>th</sup> through 12<sup>th</sup>, 2021!**

[Greater Carolinas Market Site](#)

### Step 1: Create your Volunteer Profile

- You may already have an account with us, if so, just reset your password to log in!

Instructions to reset your password found

[here](#).

### Step 2: Join the [Greater Carolinas Chapter Volunteers User Group](#)

### Step 3: Respond to Volunteer Opportuni-

### ties for the New Bern Ride –

- Bike MS: Historic New Bern Ride
    - Date: September 10<sup>th</sup> through 12<sup>th</sup>, 2021
    - Location: New Bern, NC
- Event Page: [https://nmss.galaxydigital.com/need/index?s=1&need\\_init\\_id=4216](https://nmss.galaxydigital.com/need/index?s=1&need_init_id=4216)

Our goal for this new website is to provide our incredible volunteers (that's you!) with a fresh, modern experience that makes it easy to find the volunteer opportunities that match each person's unique skills and interests.

Some of the features we are most excited to share are:

- Your Volunteer Profile** – Denote *Skills & Interests* so Volunteer Coordinators can find the right volunteer opportunities for YOU.
- Track Your Volunteer Hours & Impact** – Compelling infographics display hours, impact value, and opportunity responses.
- Stay Connected** – “Fan” your local chapter to receive new opportunity notifications. Check it out and let me know what you think! I hope you're going to love it as much as I do.

All the best,

Gab ☺

**Gabrielle (Gab) Pipitone Tuggle**  
Specialist, Volunteer Engagement  
Pronouns: She/Her

### National MS Society

3101 Industrial Dr. Suite 210  
Raleigh, NC 27609  
tel 919-792-1024 x51224  
nmss 1-800-344-4867  
[nationalMSsociety.org](http://nationalMSsociety.org)

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## Family Comes First During Hurricane Preparation for Home and Station

The Atlantic hurricane season began on June 1 and continues through November 30, and two named storms have already shown up, although neither threatened the US. There's still time to make sure you, your family, and your ham station are prepared. Remember, your family's safety comes first.

Your first stop should be a visit to the National Weather Service (NWS) page for [personal and family hurricane season preparedness](#). Next, prepare your amateur radio station and equipment for possible service and/or deployment. For example, be sure to have multiple sources of backup power, such as batteries and generators, and test them to make sure they'll do the job, if needed. Never test or run a generator indoors or in an enclosed area where anyone may be nearby.

Make sure you can take down and reinstall antennas quickly and efficiently when there's a threat of severe storms. VHF antennas mounted on masts and typical HF dipoles can be taken down and put up in minutes.

Also, test all radios and peripherals, especially those you may not use on a routine basis, but might want during a severe weather emergency. This might include handheld transceivers (especially for VHF and UHF) and any HF gear that can easily run from emergency power sources.

Know the name, call sign, and email address of both your ARRL Section Manager (SM) and Section Emergency Coordinator (SEC). Keep a list of emergency and public safety nets handy. Some hams

establish a "hardened" facility that's essentially stormproof, with ham gear installed inside.

In addition, look for local/regional nets before a serious storm strikes, to learn or practice net procedure and get acquainted with all the players you might work with in a disaster: net and emergency managers, American Red Cross, Community Emergency Response Teams (CERT), Amateur Radio Emergency Service® (ARES), and Radio Amateur Civil Emergency Services (RACES) communicators. Obtain and learn how to use Winlink HF mail.

"The advantages are clear, and that's why the Red Cross and others embrace Winlink," Rick Palm, K1CE, says in his July 2021 *QST* "Public Service" column. "There is a learning curve to gaining Winlink proficiency, however. It's not a system for spontaneous volunteers." On-air training is available.

The National Weather Service offers [information](#) on personal and family hurricane season preparedness. Read [an expanded version](#).



In Florida, Rick Palm, K1CE, has repurposed a heavy steel shipping container for a hardened ham radio facility that's ready for the hurricane season. [Sandy Tan, photo]



1900 Field Day, ah the Good old days.



### YOTA Announces New Three-Times-a-Year Contest

"Team YOTA" of Youngsters on the Air in IARU Region 1 has announced it will sponsor a new contest, the [YOTA Contest](#). Open to all radio amateurs, it takes place three times a year and runs for just 12 hours. YOTA said the aim is to boost on-the-air activity by younger radio amateurs and to support YOTA. The contest will take place on different 12-hour windows on three Saturdays.

The event will be on December 30, 1200 - 2359 UTC.

YOTA has established eight different operating categories, which include sub-categories for operators age 25 and younger, but operators of all ages may participate. Covering 80, 40, 20, 15, and 10 meters, the allowable modes will be CW and SSB.

The contest exchange will be the age of the participating operator. Different ages serve as score multipliers during the contest. Stations may work the same station once per band mode.

Contacts between the station's own continent are worth 1 point, while working DX is worth 3 points. The most points will be achieved by working the youngest operators. "The younger the operator, the more points one will get for the QSO," YOTA said.

The IARU Region 1 Youth Working Group is working with Hungary's IARU member-society MRASZ, the Hungarian Amateur Radio Society. MRASZ is providing a contest log robot, among other things.

[Submit](#) Cabrillo logs only. Contest winners will be announced once logs received have been checked in the various categories. Winners will be awarded with a YOTA Contest plaque.

The contest committee consists of the IARU Region 1 Youth Working Group: Philipp, DK6SP, chair; Markus, DL8GM, vice chair, and members Csaba, HA6PX, and Tomi, HA8RT.

[Contact](#) the YOTA Contest Committee with any questions or further information.

## BARC Website, some Blog page Titles

[Hurricane Season in full swing! – Brightleaf Amateur Radio Club \(w4amc.com\)](#)

[What to do when you see a need... – Brightleaf Amateur Radio Club \(w4amc.com\)](#)

[CQ WW VHF Contest – Brightleaf Amateur Radio Club \(w4amc.com\)](#)

[Antenna Fun! – Brightleaf Amateur Radio Club \(w4amc.com\)](#)

[Field Day Report 6/27/2021 – Brightleaf Amateur Radio Club \(w4amc.com\)](#)

Feel free to view, comment and add.

## Membership Dues

Membership dues for BARC are due January 1 every year. Membership dues are as follows and are almost the same as 2020: • Regular Member \$20.00 • Family Member \$2.00 • Associate Member (Non-Licensed) \$5.00 • Life Members \$0.00 • New Hams: Free first year

We are requesting that you send the application form in, so that we can have your correct information on file. The form can be downloaded at:

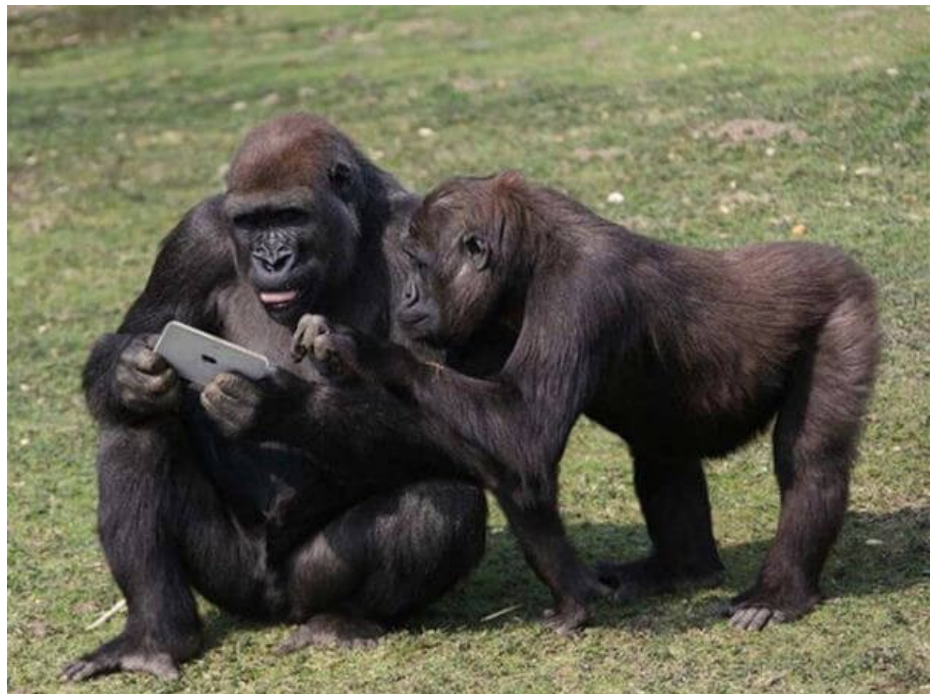
<https://www.qsl.net/w4amc/barc-application.html>.

Please give the application and dues to the Treasurer at the meeting or mail your dues, along with the member application form to: Brightleaf Amateur Radio Club, P.O. Box 8387, Greenville, NC 27835

Or go to <https://w4amc.com/membership/> to use PayPal at the page bottom.

If there are any questions concerning membership status or dues, please contact Jim Lowe, AC4JL, [Treasurer@w4amc.com](mailto:Treasurer@w4amc.com) or (252) 320-6545.

Thank you for your continued support and participation in BARC.



See? I told you I'm in the Call Data Base.

**\*\*Renew/Join Now\*\***  
Help Support BARC.

## TARHEEL NET MANAGER

Mike Fagan, AE4MF, has done a fine job in the time that he has served as Net Manager for the Tarheel Emergency Net . He has informed me that he will move out of state at some time in the not too distant future.

If you are interested in becoming Net Manager of the Tarheel Net, let me or Mike (ae4mf at gmail) know of your interest. We would like the next Net Manager to have an opportunity to work with Mike before there is a vacancy. Duties include:

- a. Maintaining contact with net control stations for the various evening sessions.
- b. Recruiting net control stations when vacancies arise.
- c. Filing a monthly report with W4DNA Section Traffic Manager.
- d. Assist in developing a Net Operating Guide for distribution to net participants.

An ideal candidate would be one with a good hf signal heard across the state (subject to band conditions which are expected to improve), a willingness to work to increase net participation, and a desire to increase the usefulness of the Tarheel Net which has been in existence since 1947. The next Tarheel Net Manager may choose an Assistant Net Manager to assist the Net Manager.

## REGIONAL HAMFESTS ARE COMING BACK!!!

Many people have waited a long time for the return of hamfests and swapfests. The organizations that put these events on invest a lot of time, effort and money to make these events happen. Do your part and show your support by attending. The following events have been publicly announced.

Depending upon your location, you may want to save the date and plan on attending one or more of the following events:

September 3-5 Shelby Hamfest, Cleveland County Fairgrounds. Info at <http://www.shelbyhamfest.org>

September 24-25, W4DXCC DX and Contest Convention, Pigeon Forge, TN. Info at <http://w4dxcc.com>

October 2, 69th Annual Rock Hill Hamfest, Rock Hill SC. Info at <http://www.scssb.net/Hamfests/Hamfests.html>

October 7 Roanoke Valley Hamfest, Roanoke VA Info at

<http://w4ca.com>

October 16 W4NC FallFest, Winston-Salem NC. Info at <http://W4NC.COM>

October 23 Carolina Amateur Radio Emergency Services Hamfest, Gaffney SC. Info to follow.

November 6 Stone Mountain Hamfest, Lawrenceville GA. Info at <https://www.stonemountainhamfest.com>

tions will feature current protocols, techniques, and responsibilities for the modern volunteer radio operator serving partner public safety entities. The presenters are all subject-matter experts. Topics to be covered include the ARRL National and Florida Emergency Communicator Task Books, an overview of amateur radio responses to disasters, basic voice traffic handling with hands-on voice traffic net/message transfer practice, using the ICS-213 form, Winlink's ARDOP (Amateur Radio Digital Open) and VARA protocols, and the Radio Mail Server (RMS) hybrid internet/HF radio gateway system. Registration for the National Convention Training Tracks will open later this summer at [www.arrl.org/expo](http://www.arrl.org/expo).

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### **2021 is the centennial of the Finnish Amateur Radio League ([SRAL](#)).**

The special anniversary call sign OH100SRAL is being used throughout the year. Working at least 100 Finnish stations during 2021 qualifies the operator for an award.

### **Announcements**

Japanese Antarctica Research Expedition (JARL) station 8J1RL will be active from February 2021 to January 2022 with Takumi, JG3PLH, at the helm. 8J1RL is located at the Japanese Syowa Station on East Ongul Island in eastern Antarctica. Activity will be on SSB, CW, and FT8, 7 - 28 MHz.

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### **2022 ARRL National Convention Emergency Communications Training Track Not to be Missed**

It's not too early to plan on attending the 2022 ARRL National Convention, set to take place at Orlando HamCation® ([www.hamcation.com](http://www.hamcation.com)) on February 11 - 13. A day-long workshop on emergency communications is scheduled as one of the training tracks that will be offered as part of the National Convention program that will precede HamCation on Thursday, February 10. The training presenta-

## [www.arrl.org/2021-Hurricanes](http://www.arrl.org/2021-Hurricanes)

This page, [www.arrl.org/2021-Hurricanes](http://www.arrl.org/2021-Hurricanes), includes information and news summarizing the preparations and response by Amateur Radio (ham radio) volunteers who are supporting emergency communications in areas that may be (or have been) impacted by 2021 hurricanes. Ham radio operators provide a critical communications capability used for relaying life-saving information and to assist with reunification activities. Additionally, radio amateurs throughout affected regions often provide firsthand accounts of storm impact and ongoing recovery needs.

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### INFORMATION RESOURCES

National Hurricane Center  
<https://www.nhc.noaa.gov/>

Tropical Tidbits (current forecast models)  
<https://www.tropicaltidbits.com/>

Active Red Cross Shelters  
[maps.redcross.org/website/maps/ARC\\_Shelters.html](https://maps.redcross.org/website/maps/ARC_Shelters.html)

Red Cross Safe and Well  
[www.redcross.org/get-help/disaster-relief-and-recovery-services/contact-and-locate-loved-ones.html](https://www.redcross.org/get-help/disaster-relief-and-recovery-services/contact-and-locate-loved-ones.html)

Facebook Safety Check  
[www.facebook.com/about/safetycheck](https://www.facebook.com/about/safetycheck)

Hurricane Watch Net  
[hwn.org](http://hwn.org)

VOIP Hurricane Net  
[voipwx.net](http://voipwx.net)

Amateur Radio at the National Hurricane Center  
[www.WX4NHC.org](http://www.WX4NHC.org)

FEMA - Federal Emergency Management Agency  
[www.fema.gov](http://www.fema.gov)

Ready.gov - Plan ahead for disasters  
[www.ready.gov](http://www.ready.gov)

Hurricane Central - The Weather Channel  
<https://weather.com/storms/hurricane>

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### Hurricane Season 2021 nets

Hurricane Season 2021 nets to know include the Hurricane Watch Net ([HWN](http://hwn.org)) on 14.325 and 7.268 MHz, the Caribbean Emergency Weather Net ([CEWN](http://cewn.org)) on 3.815 and 7.188 MHz, the Marine Maritime Services Net ([MMSN](http://mmsn.org)) on 14.300 MHz, the [Intercontinental Net](http://intercontinental.net) on 14.300 MHz, and the Salvation Army Team Emergency Radio Network ([SATERN](http://satern.org)) on 14.260 MHz.

Thanks to [The ARRL ARES Letter](http://the-arrl-ares-letter.com)

## Hurricane Season 2021: Nets to Know

[Caribbean Emergency Weather Net](#) - Meets daily at 1030Z and 2230Z on 3815 kHz.

[Hurricane Watch Net](#) -- 14.325 MHz, 7.268 MHz - Activated whenever a hurricane is within 300 nautical miles of expected landfall. Disseminates storm information and relays meteorological data to National Hurricane Center via embedded NHC station WX4NHC. Also relays post-storm damage reports and other relevant information.

[Intercontinental Net](#) operates from 7 AM to noon US Eastern Time on 14.300 MHz, providing a means of emergency communications to any location where normal communications are disrupted.

[Marine Maritime Services Net](#) -- 14.300 MHz -- The network acts as a weather beacon for ships during periods of severe weather and regularly repeats high seas and tropical weather warnings and bulletins from the National Weather Service and the National Hurricane Center.

[Salvation Army Team Emergency Radio Network \(SATERN\)](#) -- 14.260 MHz -- The purpose of the SATERN net is to support the Salvation Army operations in local, regional and international disaster situations. - *ARRL US Virgin Islands Section News*



### New Bern MS Bike 2021 is coming!

After 2 cancellations (Or is it 3?) due to a Hurricane then a Virus, New Bern MS Bike will be this September 11-12, 2021. This event consists of many bikes being ridden for two days. There is 4 different length of routes the bicyclists can take. Each day a different way to go.

Ham radio operators help on the course. Operating at the rest stops, driving on the roads checking on the riders, manning the Net Control, shadowing MS Leaders, providing rides and reporting needed information by radio thru it all. Check on status and sign up if interested. If you're looking for a Hotel for the weekend of it, start looking now. Many Bikers will also be looking.

By Mark Raysin, KG4GVJ



### VOA Event February 19-20, 2022

Brightleaf will be the W4A station. Transmitting location to be determined. Details still being worked out.

# Ham Ads

*Ham Ads* will be run, free of charge in Ham Chatter for three months for each renewal. Ads must be received by the last week of the month to be included in the following issue. Send ads to: **Ham Chatter, PO Box 8387, Greenville, NC 27835. Or Email the Ham Chatter.**

## Used Radios and equipment for Sale:

Tytera MD 380 UHF DMR & Analog HT, includes one battery, and charger, and box.  
Programmed, but buyer will need to get an DMR ID, and change the ID in the HT  
Asking \$75.00

Bernard Nobles WA4MOK  
[wa4mok@embarqmail.com](mailto:wa4mok@embarqmail.com)

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**All batteries & light bulbs for home & business**

- Huge selection of Duracell® Ultra Batteries & Bulbs
- **FREE** battery test & systems check
- **FREE** & quick installs on car/truck batteries\*
- Battery & light bulb recycling
- Smartphone, tablet, & iPod® repairs
- **FREE** laptop battery testing
- Business accounts welcome

\*with purchase of car/light truck battery on most vehicles at participating locations

**Batteries + Bulbs**

740 Greenville Blvd. SE, Suite 500-A  
Greenville, NC  
252.353.8143

Store Hours Mon-Fri 8-6, Sat 8-7, Sun 11-6 [lp107@batteriesplus.net](mailto:lp107@batteriesplus.net)  
[www.batteriesplus.com](http://www.batteriesplus.com)

## Commercial Ad Rates

1/8 page, Business Card Size  
\$10 per Month - \$100 per Year

Send ads to: **Ham Chatter,  
PO Box 8387, Greenville, NC 27835**

Help support *Ham Chatter* and the club. **Donations accepted!**

*Monday & Monday, CPA's, PA*

Certified Public Accountants

TERRY A. MONDAY, CPA, CVA, EA  
**K4ZYD**

105-D East Victoria Ct. Phone (252) 321-6007  
Greenville, NC 27858 Fax (252) 321-2991

## How to print a copy of your FCC License

by Jim, KV4SJ

To access an official copy of your license:

1. Go to: [HTTPS://wireless2.fcc.gov/UlsEntry/lieManager/login.jsp](https://wireless2.fcc.gov/UlsEntry/lieManager/login.jsp)
2. Log in with your FRN and password. (Also has links to find or get your FRN.)
3. Click on "Download Electronic Authorizations" in the links on the left hand side.
4. Select your call sign in the box labeled "My Authorizations" and click on the Add button to copy it into the "Authorizations to Download" box.
5. Click on the Download button to download an official copy of your license in PDF format.

via *Forsyth ARC Newsletter, August 2020*

### BARC MEMBERS

If you are not receiving *Ham Chatter* email notices, please send an email to [hamchatter@w4amc.com](mailto:hamchatter@w4amc.com) so I can get your email address. I know some have said they do not receive them but haven't sent me their address. You may miss some important BARC notices. - *KG4GVJ and W4YDY*

### BARC on FACEBOOK

<https://www.facebook.com/w4amc/>

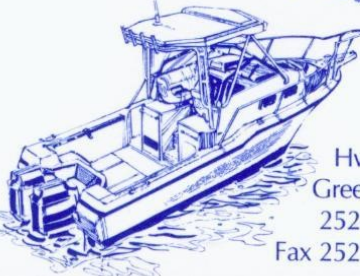
### Facebook and Group details

<http://www.w4amc.com/barcnews.html#BARC>

### Pitt County Repeater Association

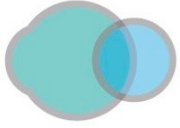
<http://www.pcra.us/>

**MARK'S MARINE, INC.**



Mark Langley  
Mike Langley  
**KD4MTT**

Hwy. 33 East  
Greenville, NC  
252 758-3309  
Fax 252 758-1396



**East Carolina Retina**  
CONSULTANTS

**Peter Van Houten, M.D.**  
2501a Stantonsburg Road  
Greenville, NC 27834  
252-758-2402  
<https://ECRetina.com>

# *BARC*

## *CALENDAR OF EVENTS*

Sept. 11-12 ..... New Bern MS Bike 2021  
 Sept 14 ..... Dave Woods, **Dinner**—7PM  
 Sept 21 ..... BARC Emergency 7PM  
 Sept 28 ..... Board Meeting—7PM  
 Sept 30 ..... Ham Chatter Deadline  
 Feb 19-20 2022 ..... VOA Anniversary Event “W4A”

**Regular Meeting** - 2nd Tuesday @ 7:00 PM Live-Zoom  
**BARC Emergency Communication Workgroup** -  
 3rd Tuesday @ 7pm ZOOM  
**Board Meeting** - Last Tuesday @ 7:00 PM ZOOM  
 Contest Calendar: All the rules:  
<https://www.contestcalendar.com/weeklycont.php>

**Upcoming ARRL Section, State, and Division Conventions**

Many conventions and hamfests have been canceled or postponed due to the coronavirus pandemic. Check the [calendar of canceled events](#) on the ARRL website.

September 3 - 5 -- [ARRL North Carolina Section Convention](#) (Shelby Hamfest), Shelby, North Carolina

September 10 - 11 -- [ARRL Illinois Section Convention](#) (2021 W9DXCC Convention), Naperville, Illinois

September 10 - 11 -- [ARRL Arkansas State Convention](#), Queen Wilhelmina Hamfest, Mena, Arkansas

September 10 - 12 -- [ARRL New England Division Convention](#) (Northeast HamXposition), Marlborough, Massachusetts

September 12 -- [ARRL Southern New Jersey Section Convention](#) and Hamfest, Mullica Hill, New Jersey

September 25 -- [ARRL Dakota Division Convention](#) (RRRA Hamfest), West Fargo, North Dakota

September 25 -- [ARRL Washington State Convention](#) (Spokane Hamfest), Spokane Valley, Washington

October 2 -- [ARRL Great Lakes Division Convention](#) (Vette City Hamfest), Bowling Green, Kentucky

October 2 -- [ARRL South Carolina Section Convention](#) (Rock Hill Hamfest), Rock Hill, South Carolina

October 8 - 9 -- [ARRL Florida State Convention](#) (Melbourne Hamfest), Melbourne, Florida

October 8 - 9 -- [ARRL Louisiana State Convention](#) (Slidell EOC Hamfest), Slidell, Louisiana

October 8 - 9 -- [ARRL Wyoming State Convention](#) (WY HamCon 2021), Cheyenne, Wyoming

October 15 - 17 -- [ARRL Pacific Division Convention](#) (Pacificon), San Ramon, California

October 16 -- [ARRL Wisconsin State Convention](#) (Wisconsin ARES/RACES Conference)

Find conventions and hamfests [in your area](#).

**Maysville Hamfest** on October 10th is CANCELLED DUE TO COVID.

Other events:

BARC 2 METER NET - MONDAY NIGHTS AT 8:00 PM - 147.09 W4GDF REPEATER - 131.8 Tone  
 Down East Hospital Net - 2nd Tuesday at noon - Greenville 444.725 MHz, 91.5 tone N4HAJ  
 BRIGHTLEAF AMATEUR RADIO CLUB STATIONS

**W I V O A - W 4 A M C - W 4 U H S**

And so many more folks.

#### **HAMFEST INFORMATION**

##### Shelby Hamfest

At the end of this week, September 3-5, the Shelby Amateur Radio Club will hold the 64th Shelby Hamfest at the Cleveland County Fairgrounds.

Information can be found at [www.shelbyhamfest.org](http://www.shelbyhamfest.org) .

##### Rock Hill SC Hamfest

Held just south of Charlotte, this hamfest is sponsored by the York County Amateur Radio Society will be held on October 2 at the New Kirk Baptist Church, 175 Museum Rd. Rock Hill, SC, 29732. Information can be found at <https://www.ycars.org/2021/03/11/save-the-date-saturday-oct-2-2021-the-69th-rock-hill-hamfest/>

#### **OTHER EVENTS**

The Tennessee QSO Party will be held on Sunday, September 5.

Information and rules can be found at <https://tnqp.org/> .

W4DXCC DX and Contesting Convention will be held on September 24 and 25 in Pigeon Forge, TN at the MainStay Hotel and Conference Center.

Information can be found at <http://www.w4dxcc.com/> .

- September 1 -- VHF-UHF FT8 Activity Contest
- September 1 -- UKEICC 80-Meter Contest (Phone)
- September 1 - 3 -- G3ZQS Memorial Straight Key Contest (CW)
- September 2 -- NRAU 10-Meter Activity Contest (CW, phone, digital)
- September 2 -- SKCC Sprint Europe (CW)