

Ham Chatter



Volume 55 Issue 4

An Official BARC, W4AMC, Publication

April 2021

Editor, Mark Raysin, KG4GVJ

Email: hamchatter @ w4amc.com

BARC in-person Meetings, Regular, Board and VE sessions cancelled until further notice.

**BARC's Next Meeting -
On ZOOM.
April 13, 2021, 7 PM**

New Digital Mode now out

Written by Mark Raysin

A news announcement came out recently on a new digital mode, Whazit, Ver. 4.01.

The Creators KG4GVJ and N4PDH, said they had been working on it for a while and finally feel it's where it can be released to the Ham Community for use.

Almost like FT8 but it's showing more features than a Swiss Army knife. A big Plus is the lack of need to make adjustments on your Radio or Computer to get it to work. That we all know, is a difficult thing to do with some programs.

The selected group of testers said they were going out of their minds at the early stages but now are confident in all ways about this new way to communicate. Some said they could hear the Martian rovers occasionally. Gain improvement varied with the Band and Antennas used.

The code is open and expected to receive high reviews. Cost is low, so our Wives should be left smiling after they hear of it.

Available for free today at :

hamchatter@W4AMC.com, be the First to use it.



D-Star Repeaters in Area

With talk about D-Star since our last Meetings Presentation from Icom America, I looked up the Repeaters here in NC. Currently, known repeaters are roughly 95 to 338 miles away from Greenville, NC. See inside for a list of them, from Repeater Book.

D-Star Calling Frequency 145.67Mhz

Note: I can hear a D-Star repeater on my Handheld here in Greenville, but not able to reach it.

The meeting will be on ZOOM. See front page article in the April, 2020 *Ham Chatter* for details on setting up and signing in. Contact Peter Van Houten, **N4PVH**, for details if you are having trouble setting up.

Program: Elixander Valladares W7HU AKA Alex. Alex will discuss growing up in Cuba and involving himself in the hobby from his teens. He decided that he wanted to explore the opportunities that were available in the USA, but for this, he had to sneak out of Cuba on a homemade raft. Eventually, on his second attempt he did make his way successfully to the US, although not without quite a few stops along the way. Being a member of the ham radio world provided a certain amount of protection on his journey and helped him to get settled in the US.

All members, families and guests are invited to attend.

Board Meeting - April 27, 2021
The meeting will be on ZOOM at 7:00 PM. All members invited.

BARC Emergency Communication Workgroup (BECW)
Zoom 7pm, April 20.

VE News

NEXT 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 **March**.

04-16 KJ4DMV Geraldine Sanchez
 04-18 WB4PMQ Macon Dail
 04-28 K4EEP Reggie Bradshaw

Please let me know of any additions or corrections. If yours is missing, I don't have it! Please, please email 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

Missing out on seeing folks in person at the meetings?

Join us on ZOOM. We miss seeing you too. No camera on or for your computer? No problem. You can still be part of the experience without a camera. You can watch, listen and talk.

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:

Doug Ferris, K4ROK
 Mike Langley, KD4MTT
 Matt McMahon, WU2V



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

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 General.
- ♦ SS Number will be needed if you don't have an FRN number. *
- ♦ 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



BARC Emergency Communication Workgroup (BECW)

Dear Members:

Tuesday March 15th at 7pm was the first meeting of the Brightleaf Emergency Communications Workgroup. The purpose of the meeting was to discuss reviving the emergency communications aspect of our club. Any interested members are welcome to join. Members present were KN4FZB, W3JUU, WA4MOK, K4BMH, AC4JL, KG4GVJ, and N4PVH. Some of the points that came out of the meeting include:

1-Our interested members need to take the ICS classes 100, 200, 700, 800. These are available online (and for free) at the FEMA Emergency Management Institute at <https://training.fema.gov/emi.aspx>. These classes are a prerequisite for working with state and federal Emergency Operations Centers during any emergency that happens.

2- Byron (K4BMH), by default or railroad, is the Brightleaf Emergency Coordinator (EC). He will coordinate with Pitt County Emergency manager Randy Gentry, and Eastern Branch AuxComm Coordinator Ed Wafford. Many thanks to Byron!

3- The group would like to visit the EOC in Kinston and check out the radios and antennas.

4- We need to generate an organizational chart including links to outside agencies and points of contact.

5- We need to review jump kits for 2m and 70cm.

6- Need to visit official shelters and survey the sites to determine if antennas are still in good working order and appropriately placed. Renew/update the information manuals that Dave (KG4CZV) made when he was BARC president.

7- Consider purchasing and installing a repeater (Analog and D-star) on the VOA site C tower (Talk to ECU). We will also talk to Matt (WU2V) about what is available. Evaluate the D-star system as is not a proprietary system, it was designed by amateurs for amateur radio and can pass voice, images and text documents on the network.

8- Need to create opportunities to train members in emergency communications.

9- Bernie (WA4MOK) will visit the Columbia repeater group and re-establish ties with them.

President's Corner

Continued

10- Judy (W3JUU) will contact the coastal linking net.

11- BECW (Brightleaf Emergency Communications Workgroup) will meet on the third Tues of the month at 7pm on Zoom. You can dial into the phone line and listen or talk. You can use an internet browser from your computer without installing software, or you can download and install the software on your computer. But **not participating** is not a good option!

12- Other documents we need to generate/stock: ICS forms, list/map of repeaters and PL tones, SOP book and equipment instructions for the ARES trailer.

13-Need to replace the 2kw Generator in the trailer with a Honda (less RF noise).

Again, we have to thank Byron for becoming **OUR** Emergency Coordinator (EC) and as such he is contacting Pitt County Emergency Manager and the State EOC.

In the mean time, Bernie and others have been investigating what equipment we need to purchase and protocols we need to adopt in order to be able to help our potential "served agencies" (like Vidant, The Red Cross, Dash for Cash, MS marathon, Pitt County Emergency Manager, or the state EOC) during hurricanes and other bad weather. Additional input from Matt WU2V has helped steer us and given us more information to think about. And we are also picking the brains of John KE4TZN and Macon WB4PMQ as they have first-hand repeater knowledge.

Some of the discussions surround what we should have in the ARES Trailer in the form of a temporary repeater function. Other discussions focus on HT's and whether we should go for both analog and digital. And if we go digital, which mode should we adopt? There are many to choose from, for example: D-Star (non proprietary designed by the Japanese Amateurs), Fusion (Proprietary protocol from Yaesu), DMR (Motorola, Brandmeister, PRN). We are contacting the proposed served agencies to get a handle on this and try to fit in to what they are currently using. Analog is the simplest, universal, and most reliable, while some of the digital systems offer the capability of more easily sending photos, written messages, and forms, but can quickly degrade in poor conditions. The goal is to become familiar with options that will provide the most integration, reliability, and flexibility.

I would like to ask the membership to please do two things:

1: Get on the internet and do the ICS courses 100/200/700/800 (<https://training.fema.gov/nims/>).

When you finish, you will receive a certificate that documents your completion. Served agencies will want these documents.

2: Research the systems mentioned above, looking at the pros and cons of each. Send your findings to Bernie or me (info@w4amc.com). We need facts and reasons to do something, not just opinions please. This way we are getting ready for any disaster or event as a cohesive group.

The more organized and ready we are, the safer the community becomes as we are there to help.

73 Peter, N4PVH



Yabba-Dabba-Doo from "Bedrock"
Mark, KG4GVJ

Hello folks, welcome back to another exciting edition of the Ham Chatter. Written by and written for Amateur Radio Operators. At this time, It's still March and I'm scratching my head for ideas and looking for articles to put in for you this April. Mean time, I'm also working in the mornings and finding myself wanting to do something other than working on a newsletter afterwards.

Well, hopefully we will have Bernard (WA4MOK) write up a story on how he helped find the interference on the Aircraft Band that was endangering communications.

Have any of you helped others in a radio related matter? It doesn't have to be Ham Radio related, as you will read later. It can even be a 911 call for a serious emergency. Have any funny stories? That's okay too. Please share them with us.

Bad weather is expected tomorrow so I'm making sure my Batteries are charged. I have a neighbor say the power was good for the years they been here. Power went out a couple of times last year and earlier for us and the neighborhood, so it can and does happen. Even with cell phones available, they do need recharging and if the Cell towers lose all power or are damaged, the cell phones can't communicate.

How do you feel about a new Repeater or upgrading a repeater? Some consideration is going on about possibly including a D-Star Repeater. If I read right, it would be able to handle D-Star and Analog transmitting. Have you missed the March 2021 meeting? We had a Icom America Representative speaking about D-Star, IC-705 Radio and IC-7300 Radio.

There may be D-Star repeater's in range of our Mobil's, but not our HT's. More Later

Hey Mark, didn't you have that article in the Chatter last time?

Yes, some articles may be held as a reminder of some activities and other items.



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? 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.

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.

ARES/Auxcomm training is on the 3rd Thursdays at 8:30 PM at 897-9792-5844.
Tech-Talk is on Wednesdays at 7:30 PM (informal) 549 621 524.
Password is their Call sign.

From FARC website.

ARRL News:

ARES North Carolina SEC Wins ARRL Roanoke Division Service Award

Tom Brown, N4TAB, the ARRL Section Emergency Coordinator for North Carolina, and the North Carolina Emergency Management's (NCEM) AuxComm Coordinator has been awarded the ARRL Roanoke Division Service Award. He was initially nominated by Marvin Hoffman, WA4NC, North Carolina ARRL Section Manager, and liaison for the North Carolina Emergency Management (NCEM) auxiliary communications efforts. Brown currently contributes to North Carolina Emergency Management Agency's initiative as the COMC and AuxComm Coordinator, which involves and promotes the use of amateur radio.

-- Thanks, Steve Waterman, K4CJX, Nashville, Tennessee
ARES March 2021 Newsletter

ARES/AUXCOMM News

ARES and Red Cross Cooperate to Assist Storm-Affected Residents in Texas -- ARES and American Red Cross volunteers joined forces in Texas under the ARRL/Red Cross memorandum of understanding in responding to the situation resulting from unseasonably frigid weather. Kevin McCoy, KF5FUZ, said the Red Cross formally requested ARES activation in Texas to address the effects of the natural disaster, which included a lack of drinking water, power outages, fuel shortages, and frozen plumbing, among others. Red Cross

in Central Texas supported more than 60 warming shelters at the request of governmental agencies. [Read more here.](#)

Tip: Setting up a local ARES VHF/UHF Winlink RMS server is a good way to begin to add additional capabilities to a local volunteer ARES group. As your "sysops" gain expertise, they may naturally migrate to also offering an HF RMS server as well. When that's done properly, VHF users can get the advantages of automatic HF ability to "jump out" of a disaster area even when the local internet/cell phone is completely obliterated. [More information and tutorials from the March issue of the ARRL Northern](#)

VERY IMPORTANT CORONA VIRUS INFORMATION

WEAR ANY MASK while outside in public AT ALL TIMES (N95, surgical mask or bandanna in that order of effectiveness) as they all reduce the spread of the virus. The data shows that there is a 98% reduction in transmission of the virus if you wash your hands at least 4x a day and wear a mask. Lets ALL DO THIS for the sake of the country!!!
Dr. Peter Van Houten, N4PVH

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.

From: Gabrielle Tuggle
 <Gabrielle.Tuggle@nmss.org>
Date: March 17, 2021 at 17:09:34 EDT
Subject: Happy World Amateur Radio Day

Hello All,

I wanted to take some time to wish every single one of you a Happy World Amateur Radio Day! All of you, whether you are a HAM, a SAG that drives our HAMs around, a moto-marshall who helps communicate to our HAMs, and/or a medic who supports our HAMs, have and continue to make such a difference here at the National MS Society and to all of those at our events.

I say it time and time again that all of our HAMs (*and HAM-like*) volunteers here in the Carolinas are an incredibly special group. I feel so extremely lucky to work alongside each of you.

I know this past year has been extremely tough, but I hope you know that I am constantly thinking of you and your loved ones. I hope we can all be together again soon!

Here's to each of you for doing such amazing work! Find a way to celebrate YOU tonight 😊

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



(Copied from a Email)

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.

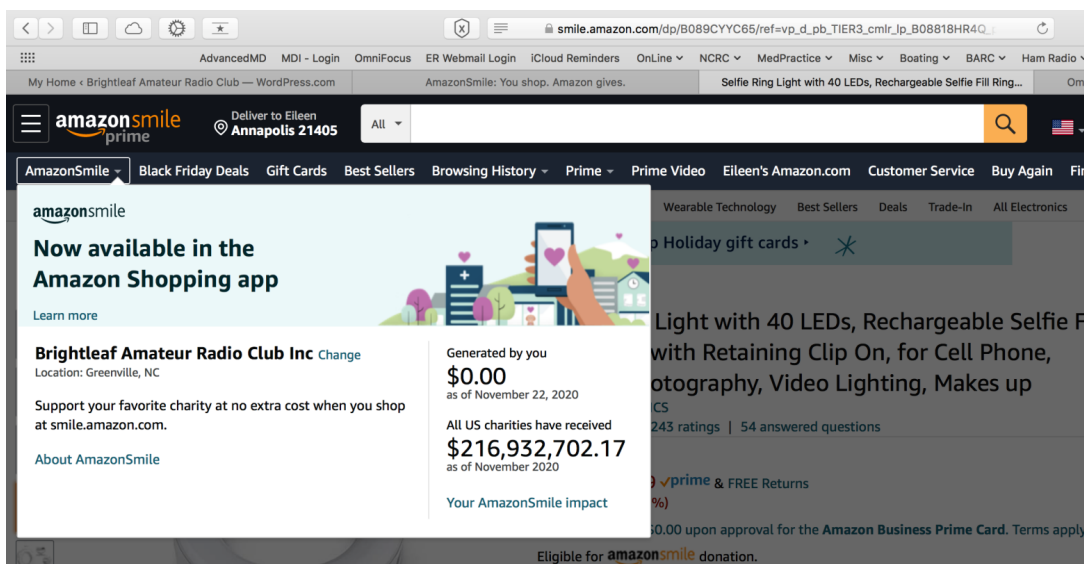
Comm Academy 2021 Set for Next Month, Online

The 2021 Comm Academy is 2 days of training, talks, and information on emergency communications. This year's theme is *Disasters Here, There, and Everywhere - Are We Ready?* Comm Academy is an emergency communications and amateur radio conference to be held April 11-12. [Registration](#) is completely free, and you must register to gain access to the complete schedule and academy materials. It is entirely virtual and hosted online.

Headquartered in Seattle, Washington, Comm Academy is attended and supported by organizations including ARES; Auxiliary Communications Service (ACS); EOC Support Teams; RACES; Civil Air Patrol;

Coast Guard Auxiliary; REACT; and CERT, among others. All interested in emergency and amateur radio communications are welcome. Learn, network, and share your experiences with others.

The Comm Academy steering committee says that the annual event has continued to evolve by presenting keynotes and seminar tracks that engage beginner, intermediate, and advanced users in technologies, served agency support, volunteer management, self-preparedness, and how volunteer and professional communications are used, adapted and improved. The leadership has reviewed how it can preserve the direction and focus of the event while restricted by the pandemic. The event is always focused on education for communications leaders, volunteers, and professionals. From ARES March 2021 Newsletter.



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.

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:

April 3 - 10
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.

April 30 - May 6
Exercise: DOD COMEX 21-2

May 7 - 8
Exercise: Armed Forces Day Cross-Band Test

Location: CONUS

June 1 - 6
Exercise: Interop Outreach
Location CONUS

July 5 - 10
Exercise: Interop Outreach
Location CONUS

July 20 - 22
Exercise: DOD COMEX 21-3
Location: CONUS

August 2 - 8
Exercise: Interop Outreach
Location CONUS

September 1 - 4
Exercise: Interop Outreach
Location CONUS

October 1 - 31

FCC Not Yet Collecting \$35 Application Fee

The majority of the FCC's revised Part 97 rules (adopted in December 2020) establishing new application fees become effective on April 19, but the new amateur radio application fees will *not* become effective on April 19. The FCC announced on March 19 that the amateur radio application fees, including those associated with Form 605 filings, would not become effective until the "requisite notice has been provided to Congress, the FCC's information technology systems and internal procedures have been updated, and the Commission publishes notice in the *Federal Register* announcing the effective date of such rules."

The \$35 fee, when it becomes effective, would apply to new, modification (upgrade and sequential call sign change), renewal, and vanity call sign applications, as well as applications for a special temporary authority (STA) or a rule waiver. All fees will be per application. Administrative updates, such as a change of mailing, email address, or name, are exempt.

It is expected that such fees will not become effective before summer 2021. The FCC has stated that amateurs will have advance warning of the actual effective date, because it will publish such date in the *Federal Register*.

ARRL Volunteer Examiner Coordinator ([VEC](#)) Manager Maria Somma, AB1FM, said VECs and Volunteer Examiner (VE) teams will not have to collect the \$35 fee at exam sessions. Once the FCC application fee takes effect, new and upgrade applicants will pay the \$15 exam session fee to the VE team as usual, and pay the \$35 application fee directly to the FCC via the [Fee Filer System](#) or [License Manager System](#). Somma said this information was provided in a [VE Newsletter](#) distributed this past week. "Further news and instructions will follow when we have them," she said.

From ARRL Letter 3/21/21

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

ARRL NEWS

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. The schedule is subject to change.

Field Day 2021 Rules

ARRL announced that the special rules for Field Day 2020 will continue this year. There will be power limits on Class D (Home Stations) and Class E (Home Stations on Emergency Power). Class D Stations may work all other Field Day Station for points but both Class D and E stations are limited to 150 watts PEP output. Information about the rules for Field Day 2021 can be found at <http://www.arrl.org/news/arrl-to-extend-field-day-rule-waivers-from-2020-add-class-d-and-e-power-limit>.

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. Howev-

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

NETS

VHF/UHF

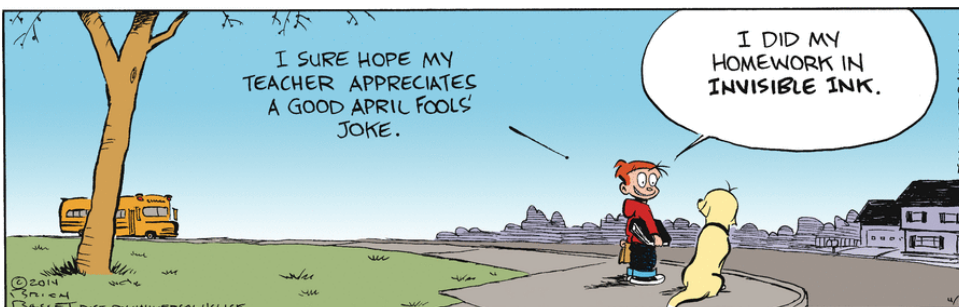
- ◆BARC Net, Mondays, 2000 on 147.09 MHz, W4GDF Repeater.
- ◆Down East Hospital Net, 2nd Tuesday of each month at noon
Greenville 444.725 MHz, 91.5 tone N4HAJ
Fountain 444.425 MHz, 88.5 Tone N4HAJ
- ◆Newport SkyWarn Tues. nights 2100E
Grifton-146.685-88.5 tone
- ◆Newport-145.450..... IRLP 8561 links 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
- to Peter Van Houten, N4PVH
- * Treasurer@w4amc.com
- to Jim Lowe, AC4JL
- * Hamchatter@w4amc.com
- to Mark Raysin, KG4GVJ
- * QSL-VE@w4amc.com
- to Richard Campbell, W4JNC
- * Webmaster@w4amc.com
- To Peter Van Houten, N4PVH



Monster Dipole Can Deliver Monster Signal

A [video](#) shows how Gary Watson, ZL3SV, in Nelson, New Zealand, installed an enormous all-band dipole with each leg extending 320 meters (about 1,050 feet). The antenna is multiple wavelengths on HF, and on 20 meters it has a gain of more than 16 dB, Watson says. It hears quite well, too.

A huge 12:1 balun resembling a utility pole power step-down transformer converts the impedance from 50 W unbalanced to 600 W balanced. The wire he uses for each leg is aluminum-wrapped, power-line cable (10-millimeter cable with wrap), and he uses power-line fittings, because they're designed to handle the wire. The line has a 60-ton breaking strength.

Watson said he made the 600 W ladder line himself and he uses the antenna on all bands, typically running only 200 W. The coaxial feed line goes to his house down a slope from the antenna via a conduit. His home is entirely off the grid, powered by solar power. The noise level is very low at his location, with power lines some distance away, although his solar power system's inverter is nearby.

Watson says he can copy stations with the "monster" antenna that remain undetectable with a half-wave dipole.

The [video](#) associated with the article, "Monster Dipole Can Deliver Monster Signal" in the March 11 edition of *The ARRL Letter*, was produced by Roly Runciman, ZL1BQD. We neglected to credit him. (ARRL Newsletter 3/21/21)

Officer Requesting Help!

By Mark Raysin, KG4GVJ

It's been over 5 years since this happen, so I don't remember all the details well, but I'll try to tell it well.

It all happen in Washington DC, as I was doing some service work in a 7-Eleven. I don't recall what I was there to work on, but as I was walking by the Coffee counter across from the registers when the table shifted roughly in my direction. My first concern was for possible damage to the equipment and people getting hurt before I realize a scuffle going on between the coffee counter and the registers. As it turns out, it involved a plainclothes Police Officer and a Women who hit the Officer. The Officer was trying to subdue the other woman and I guess she handed her radio to the Sales Clerk at the register requesting they call for backup. The Sales Clerk then handed me the Radio to do that. Talk about being on the spot, whew! It took a moment as I tried to put myself in emergency communications mode. I knew I needed to talk clearly and to give the address of the location. It was happening on Rhode Island Ave at the time and there was two 7-Elevens at the time many blocks apart on that street. Also, knowing the correct section of the city was important if 7-Eleven wasn't mention (SW, SE, NE or NW). Identifying myself was also needed.

So, I pulled out my Notebook to remind me of where I was (Yes, I couldn't think of it) and keyed up. Roughly I would have said, "Officer requesting help, Officer requesting help. This is Mark Raysin (I may have used my call sign). Officer needs help at 7-Eleven at 1400 NE Rhode Island Ave, 1400 NE Rhode Island Ave." I think I did get a response and I relied back. Yes, several Officers arrived to help secure the woman and transport her.

I'm glad I had a little training and some experience being the Net Control during an Activation and preparing for a possible activation in Virginia, along with some Message handling in Traffic net (Chuckle, may been about 2 or so messages). I'm I prepared for something like this again? Oh Lord, I hope so.

News Conference Details ARISS Efforts to Return ISS Ham Station to the Air

At a March 10 news conference, Amateur Radio on the International Space Station ([ARISS](#)) reported that, so far, all efforts to determine what's keeping the ham station in the ISS *Columbus* module off the air have been unsuccessful. It appears that the radio equipment is working, but no signal appears to be reaching the external ARISS antenna. The station, typically operated as NA1SS, has not been usable since new RF cables were installed during a January 27 spacewalk (EVA) to support the commissioning of the [Bartolomeo](#) payload hosting platform installed last spring. During the January EVA, the coax feed line installed 11 years ago was replaced with another built by the European Space Agency (ESA) and Airbus. Responding to a question during the news conference, ARISS International Chair Frank Bauer, KA3HDO, did not rule out a fault in the radio equipment.

"There is still that possibility that there might be a problem with the radio," he said. Bauer listed three possible problem areas: The HMU-898 cable inside the cabin may have a break due to a previous tight turn, a connector may be installed improperly, or an HMU-601 cable installation or workmanship anomaly. During the January 27 EVA, the HMU-601 cable was installed in series with the ARISS antenna cable.

During a March 13 spacewalk (EVA), astronauts Mike Hopkins, KF5LJG, and Victor Glover, KI5BKC, plan to return the ARISS antenna feed line cabling to its configuration prior to the January 27 spacewalk.

The news conference covered details of the cable troubleshooting already conducted. Bauer said the ARISS team has been working closely with NASA and the ESA to identify what may have caused the "radio anomaly" keeping the ISS *Columbus* module ham station off the air. He thanked ARISS-Russia's Sergey Samburov, RV3DR, for allowing ARISS to use the ham station in the service module to continue its contact schedule.

This past week, astronauts on the ISS performed troubleshooting tests on all four new feed lines installed on the *Columbus* module. One cable was earmarked for the ARISS station, while the other three are for Bartolomeo. ARISS reported over the weekend, however, that it was unable to establish communication using any of the feed line cables connected to the ARISS radio system, which was tested in APRS mode.

The plan to return the ARISS cabling to its original configuration was a "contingency task" for a March 5 spacewalk, but the astronauts ran out of time.

ARISS became aware of the station problem after a contact with a school in Wyoming, between ON4ISS on Earth and Hopkins at NA1SS, had to abort when no downlink signal was heard. For the time being, ARISS school and group contacts with crew members have been conducted using the ham station in the ISS service module. (ARRL Newsletter March 2021)

"Some 6 weeks after going silent following a spacewalk that installed new antenna cabling, the Amateur Radio on the International Space Station ham station in the Columbus module is once again operational." - ARRL <https://bit.ly/3ePTzNU>

Ham Radio Outlet: <https://www.hamradio.com>

BARC Website Blog page Titles

See you at QSO Today Virtual Ham Expo!

Around the world in a Balloon.

Contest University Propagation Seminar 2021.

Winter Field day.

Podcast/Videos/webpages.

Let's look ahead.

John McCoy, K4KBB, SK 11/29/20.

10kHz signal on 40M.

Everyone Join Amazon Smile and support BARC.

The "Bubba" Potatoe gun.

Brightleaf Emergency Communications Workgroup (BECW)

A Nice Winter POTA Day

Podcast's

ARRL DX CX Contest And others

Feel free to view, comment and add.

2021 Membership Dues Are past Due (Some changes)

It's that time of the year once again. Membership dues for BARC was due January 1. 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 or (252) 320-6545.

Thank you for your continued support and participation in BARC.

Youth on the Air

Plans remain up in the air for the Youth on the Air (YOTA) in the Americas summer camp.

The camp, tentatively set for July 11 - 16, would take place in West Chester, Ohio. "We know that changes in the COVID-19 pandemic status between now and July will have an impact on our decision to host the camp," 2021 YOTA Americas Camp Director Neil Rapp, WB9VPG, said. "At this time, we are still hopeful that hosting the camp safely July 11 - 16, 2021 will be possible. Should we not be able to host the camp, we will let everyone know with as much notice as possible and postpone it to 2022. Our plan is to make the final decision in the month of April." Registration will continue until February 28 for campers accepted to the camp for the 2020 session to attend in 2021. At that point, Rapp said, he will evaluate how many positions remain for additional campers from across the Americas in order to fill out the roster of 30 campers and take applications in March for the remaining slots.

****Renew/Join Now****
Help Support BARC,
Renew Today.

ARRL Learning Network Webinars

(ARRL Newsletter March 2021)

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

The Art and Science of Operating Ultra-Portable -- Mike Molina, KN6EZE

Ultra-portable operation, or being able to carry your radio over distances (e.g., in a backpack), is quickly growing in popularity. Whether for SOTA, POTA, backcountry survival, or just spending time in nature, learning how to operate ultra-portable is a fun and rewarding experience. In this presentation, Mike, KN6EZE, will cover the basics of ultra-portable operating for both the new and experienced ham radio operator.

Tuesday, April 6, 2021 @ 8 PM EDT (0000 UTC on Friday, April 7)

Finding and Fixing RFI -- Paul Cianciolo, W1VLF

RFI (Radio Frequency Interference) has been a problem for ham radio operators and shortwave listeners since the radio hobby began. Interference can come from both natural sources (QRN) and manmade sources (QRM). Things have changed in the last 20 years with the advent of widespread solar power, LED lighting, grow lights, digital computing devices, and so on. Learn all about finding and fixing RFI in today's world.

Tuesday, April 20, 2021 @ 1 PM EDT (1700 UTC)

HF Noise Mitigation -- ARRL Northwestern Division Director Mike Ritz, W7VO / Thursday April 22, 2021 @ 3:30 PM EDT (1930 UTC)

An educational seminar to help new and experienced amateurs who are on HF and finding themselves plagued with noise. We'll learn what "noise" is, talk about the various noise sources, and discuss how to mitigate those noises using a variety of techniques.

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

Spring Red Cross Emergency Communications Drill Set

The spring 2021 Red Cross Nationwide Emergency Communications Winlink Drill will be held on May 8, which is [World Red Cross and Red Crescent Day 2021](#). [Details and instructions](#) are available. [Sign up for email updates](#). Ahead of the May nationwide exercise, the American Red Cross (ARC) Emergency Communications training group will continue its Winlink Thursdays training sessions on March 11 and April 8.

Letters: Preparing for an EMP Incident

With an increasing number of bad actors with EMP (electromagnetic pulse) devices these days, the disruption of the country's electronic infrastructure is tempting. Many veteran radio amateurs have older V/UHF/HF mobile radios and handhelds; it may be a good idea to store them in a small steel trash can, along with a roll of RG58, mag mount or other kind of antenna, and light line to hoist the antenna into a tree. There is little or no cost involved, and this puts older gear to potential use in an EMP incident.

While not too likely, the military and other government entities do pay attention to the possibility of such an incident that could cripple the internet, power grid, copper pair telephone, and much of the sensitive modern lower voltage circuitry.

Many hams licensed since the end of the cold war may have little or no knowledge of what an EMP blast can do, and how difficult it is to protect against. "When all else fails" means being prepared for the unlikely. -- *Doug McCray, K2QWQ, Southampton,*

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.

D-Star Repeaters in NC March 17, 2021 Circle at end: Green working, Red down, Clear Unknown

Frequency	Offset	Tone Up / Down	Location	County	Call	Use	Modes	[T]
144.9200	+2.5 MHz		Albemarle	Stanly	K4DVA	OPEN	DSTAR	+
145.0800	+1.4 MHz		Kings Mountain	Cleveland	W4NYR	OPEN	DSTAR	+
145.1400	-0.6 MHz		Charlotte, Charlotte Hood Road	Mecklenburg	KI4WXS	OPEN	DSTAR	+
147.2550	+0.6 MHz		Hendersonville	Henderson	KJ4JAL	OPEN	DSTAR	+
147.4400	0 MHz		Morganton, Salem Community	Burke	KO4T	OPEN	DSTAR	×
440.6875	+5 MHz		Albemarle	Stanly	K4DVA	OPEN	DSTAR	+
441.9250	+5 MHz		Greensboro	Guilford	ND4L	OPEN	DSTAR	+
442.0250	+5 MHz		Hendersonville, Pinnacle Mountain	Henderson	KJ4JAL	OPEN	DSTAR	+
442.2125	+5 MHz		Auburn	Wake	K4ITL	OPEN	DSTAR	○
442.5375	+5 MHz		Chapel Hill	Orange	KR4RDU	OPEN	DSTAR	○
442.8625	+5 MHz	CC1	Greensboro	Guilford	W4GSO	OPEN	DMR DSTAR Fusion	+
442.8750	+5 MHz		Tryon	Polk	KK4LVF	OPEN	DSTAR	+
442.9625	+5 MHz		Bearwallow Mountain	Henderson	NC4BS	OPEN	DSTAR	+
443.8625	+5 MHz		Gastonia, Crowders Mountain	Gaston	KK4JDH	OPEN	DSTAR	+
443.9875	+5 MHz		Gastonia, Spencer Mtn	Gaston	KA4YMZ	OPEN	DSTAR	+
444.0250	+5 MHz	CC1 NAC	Charlotte, Hood Road	Mecklenburg	KI4WXS	OPEN	DMR DSTAR P-25 Fusion	+
444.1875	+5 MHz		Kings Mountain	Cleveland	W4NYR	OPEN	DSTAR	+
444.8625	+5 MHz		Wingate	Union	W4FAN	OPEN	DSTAR	+

The 2021 Comm Academy April 10 - 11 is 2 days of training, talks, and information on emergency communications and amateur radio.

This year's theme is *Disasters Here, There, and Everywhere -- Are We Ready?* [Registration](#) is free and required to gain access to the complete schedule and academy materials. The academy is entirely virtual and hosted online. Headquartered in Seattle, Washington, Comm Academy is attended and supported by organizations including the Amateur Radio Emergency Service (ARES[®]); Radio Amateur Civil Emergency Service (RACES); Auxiliary Communications Service (ACS); EOC Support Teams; Civil Air Patrol; Coast Guard Auxiliary; RE-ACT, and CERT, among others. Anyone interested in emergency and amateur radio communications are welcome to network and share experiences. The event focuses on education for communications leaders, volunteers, and professionals.

EMERGENCY Training With Digital Radios

I've done some Reading, and there is a possibility that most training exercise's involving Digital Equipment might not have involved the possibility of no access to landlines/internet. This is a good point, since most digital repeaters are connected thru the internet. If the Landlines go down, they still work as a repeater locally, But not able to go further than that.

Example, a Ham wishing to send a Photo of storm damage by D-Star thru the local repeater to be received at the State EOC outside the coverage of the repeater. With the landlines working, no problem. With landlines down, it can't be received at the EOC, it's out of range.

Training with this in mind, work arounds can be thought out and tried for future problems.

D-Star

By Mark Raysin, KG4GVJ

I've done some web searching and hope this information may be useful later. This I hope is the correct calling Simplex frequency's. Note, with no repeater in the area, perhaps a good one for local calling without access to using the internet/Landlines and no D-Star repeater in the area.

- Talking simplex. While you might not have anyone to talk to, program a simplex channel first. One of the standard D-STAR simplex channels is 145.67, so let's use it.

Set frequency to 145.670

- Set offset to none
- Set mode to DV (probably was FM by default) (DV is the D-STAR Voice Modulation mode)
Don't worry about the RPT1, RPT2, and UR call signs when working simplex.

From: dstarinfo.com

Possible other useful info:

D-Star (2M) - 145.670

D-Star (70cm) - 440.9125 440.9250 440.9375 440.9500
440.9875 441.0000 * 441.0125 441.0250 441.0625 441.0750
441.0875 441.1000 441.1375 441.1500 441.1625 441.1750
* 441.000 is the National Digital Simplex Calling Frequency

DMR (2M) - 145.510, 145.790

DMR (70cm) - 441.000, 446.500, 446.075, 433.450

Why be concern if no Landline?

Most Digital repeaters are connected to the internet to pass on information and conversations to other Digital repeaters. Rather it's D-Star, DMR, WIRES, Fusion, etc. They still work like analog repeaters for their coverage area, even with no internet connected. But with no internet (Some may call it Wi-Fi), the conversations and Data stay in that coverage area.

In Prince William County in Virginia, some radio operators were able to operate at home for the EOC and access the EOC server to leave reports and receive orders as needed concerning the situation going on. That involved the internet. What if the internet went down? Radio operators would then need to be at the EOC to do this.



ARRL Podcasts Schedule

The latest episode of the *On the Air* podcast (Episode 13) features a discussion with Curt Laumann, K7ZOO, about his success in boosting activity at the University of Arizona amateur radio club.

The latest edition of *Eclectic Tech* (Episode 26) discusses synchronous AM reception and includes an interview with Dave Tipping, NZ1J, about a novel approach to boost foxhunt participation.

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](#).
From ARRL Letter 1/28,2021

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

The RadFXSat-2 Fox 1-E satellite beacon on 435.750 MHz has not been heard, and AMSAT asks the worldwide amateur satellite community to listen for the BPSK telemetry. Visit [AMSAT](#) for more information. RadFXSat-2 was launched on January 17. Randy Payne, K4EZM, of Sebring, Florida, has been named the [2020 White Award](#) recipient. Established in 2016 in honor of retired, long-time ARRL Headquarters staffer and current Florida resident Ellen White, W1YL, the White Award is given to the radio amateur who has made the greatest contribution to amateur radio in the ARRL West Central Florida Section.

- During the CQ World Wide WPX RTTY Contest, members of the Contest Group Du Quebec will be operating XM2X as a "multi-multi-distributed station." QSL via LoTW.



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.

AUXCOMM MATTERS

Greg Hauser, W3FIE, North Carolina Statewide Interoperability Coordinator with NCEM, pointed out to hams in a meeting held Saturday that there are many ways in which hams can help Emergency Management.

Auxcomm is not just a state-level program and NC Auxcomm is increasingly being integrated into local emergency operations plans, sometimes supporting Red Cross, sometimes playing a role in the Community Emergency Response Program and sometimes supporting local public service activities. How amateur radio is used by local emergency management is dependent upon the relationship that hams have built with local EM.

You should know that key to becoming part of becoming a part of the local emergency response organization is getting trained so that you understand how the Incident Command System works and the role of amateur radio in an ICS structure.

Although it is not yet clear when the Auxcomm training will once resume, (possibly in July), everyone who wants to take the Auxcomm course needs to complete the current version of the on-line FEMA courses which are prerequisites to the Auxcomm course. Each of the online courses (100, 200, 700 and 800) takes about an hour to complete. Use a rainy afternoon to get a head start on completing the prerequisites. The courses can be completed by going to <https://training.fema.gov/nims/>

Approximately 80 people who have already completed the Auxcomm course are currently working on the Position Task Book which is required if you want to become a state-credentialed Auxcomm operator. Tom Brown, Auxcomm Leader, reports that it is likely that twenty persons will submit their PTB's for review and potential approval at the next quarterly meeting of the Statewide Interoperability Executive Committee.

North Carolina is divided into three areas that match the NCEM Branches:

East, Central and West. Contact the Deputy State Coordinator for your Branch and learn about training opportunities, ways in which you can help in your home county, your region or the state and opportunities to move forward on your PTB.

East- Ed Wafford, W4EDW, edwafford@protonmail.com

Central -Virginia Enzor, NC4VA, nc4va@nc.rr.com

West -Bob Rodgers, KC4TVO, RRODGERS@oakcreekcorp.com

From: March 28 NC Newsletter, Marv, WA4NC
NC Section Manager

BARC Board Meeting

February 23, 2021

In Attendance:

Bill Dawson WA4SLC, Beth González KN4FZB, Byron Highland K4BMH, Dave Langley W4YDY, James Lowe AC4JL, Mark Raysin KG4GVJ, Gerald Seighman KN4CKL, Judy Taber W3JUU, Peter Van Houten N4PVH, Dave Woods W4EJ

Reports:

Beth: Secretary Report: Acceptance of previous board minutes.

Old Business: start the raffles ASAP for fundraising, attendance. Prize ideas include Nano VNA, air frier, Insta pot. Entries due by October 15. Drawing on Halloween. How do other clubs do VE/Elmer classes? EmComm discussion.

Jim Lowe: Treasurers report, 42 members paid, 5 Lifetime members, 15 unpaid, need letter to the 15 unpaid or non-renewed members (Beth). Balance \$3975.07

Byron: VP Report: Next meeting: April, Alex Valladares W7HU (guy from Cuba). Need to generate a schedule for the year. Will contact Gary Faust for POTA and QRP activations for May.

Mark Raysin: Ham Chatter report: Need reporters to do interviews of members and hamshack visits with photos.

V-Pres: Langley: Get volunteers to help with VE and education.

Trustees: How can they help with the manpower shortage we have?

Gary Coriell: (Not present) VE Report: How and when we can get back to testing/classes, online until lockdown is complete. Others are doing this in lockdown.

Summary of Business:

Albert is resigning as net control of the Monday night net. Many thanks to Albert for the years of service that he provided. Judy and Beth will help Richard to continue on with the net. Beth will explore creating a SignUp Genius page to allow others to volunteer too.

Will post updated roster in password protected place on site.

We are eagerly anticipating the return of classes and testing, specifically, classes at Camp LeJeune and face-to-face locally. Camp LeJeune classes are anticipated to happen at the end of April. We also need to figure out who can serve as VE coordinator.

Judy will be in charge of Field Day 2021, which will happen in-person at The Oakwood School. The dates are June 26th and 27th. Thank you so much, Judy. We are looking forward to this.

BARC is reviving emergency communications for our area. In order to be deployed in the event of an emergency, and included in trainings, we have to have a relationship with our local, regional, and state emergency management organization. Byron is our liason as we work to build our program. Interested members should begin by taking the FEMA 100, 200, 700, and 800 courses.

Additionally we are discussing what equipment would make our group more capable in an emergency. On item in consideration is a repeater for the BARC trailer.

Submitted by Beth González, KN4FZB



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.**

Space available

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/licManager/login.jsp](https://wireless2.fcc.gov/UlsEntry/licManager/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 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/>

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

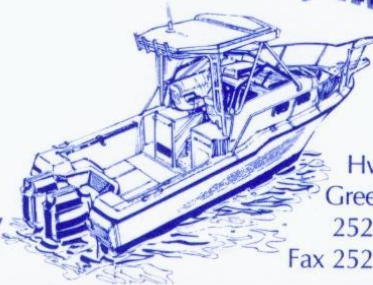
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K4ZYD

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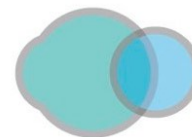
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Peter Van Houten, M.D.

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Greenville, NC 27834

252-758-2402

<https://ECRetina.com>

BARC CALENDAR OF EVENTS

April 1 Time to flip all Beams over
 April 3. Ham Chatter **Deadline**
 April 13. **Regular Meeting - 7PM**
April 20 **BARC Emergency (BECW)**
 April 27 **Board Meeting - 7PM**
 May 1 Ham Chatter **Deadline**
 May 9. **Mothers day**
 May 11 **Regular Meeting-7PM**
May 18 **BARC Emergency (BECW)**
 May25. **Board Meeting - 7PM**
 May 29. Ham Chatter **Deadline**
 June 8. **Regular Meeting - 7PM**
June 11/13 **June VHF Contest**
June 15 **BARC Emergency (BECW)**
June 25/26 **Field Day**
 June 29. **Board Meeting - 7PM**
July 3 Ham Chatter **Deadline**
July 10/11 **IARU HF World Championship**
July 13 **Regular Meeting - 7PM**
July 20 **BARC Emergency (BECW)**
July 27 **Regular Board Meeting—7PM**
July 31 Ham Chatter **Deadline**
Sept. 11-12 **New Bern MS Bike 2021 rough date**

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



Regular Meeting - 2nd Tuesday @ 7:00 PM

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

Ham Chatter

Brightleaf Amateur Radio Club
 PO Box 8387
 Greenville, NC 27835



To:

