

Ham Chatter



Volume 53 Issue 3

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March 2019

Editor, Dave Langley, W4YDY

Email: hamchatter @ w4amc.com

Meet the Member, Dave Wood, W4EJ



Dave, W4EJ

I entered ham radio via the swl route, starting with my Knight Kit Star Roamer back in 1967. I learned Morse Code using the Star Roamer and practice records from Allied Radio. Remember those? With the help of my mentors **W4ED** and **W4RIZ**, I passed my novice test and received my Novice license on July 15, 1968.

I first got on air with a Heathkit DX-35 and Hammarlund HQ-170. Jim Shannon, **W4ED** pushed me to get the best receiver I could afford on my paper route salary! I was 15 at the time. My original call was **WN4KPD** which I upgraded to general and **WB4KPD** a year later when I was 16. I was very active on HF and the new 2 meter FM mode, spending a lot of time on 2 with my GE Pre Progress line and later Motorola 80D.

I graduated high school in 1970 at the ripe ole age of 17, and then went to ECU for two years and then transferred to Wilson Community College where I obtained my Associates Degree in Electrical Engineering. In 1974 I started working for a two way radio shop in Goldsboro and worked there until 1977. That was a fun time in my life and was the basis for

my experience in RF.

In 1977 I went to work for Carolina Telephone and was assigned to the Microwave and IMTS maintenance crew in Rocky Mount. For those that don't know, IMTS was the precursor to today's cellular service. In 1985 I transferred to Untied Telespectrum, the newly created cellular arm of United Telephone. There I help build the first cellular system in Raleigh, Charleston, SC, Greenville, SC; and other systems throughout the country. In 1987 I became the Network Manager for the cellular system in Harrisburg, and Lancaster County PA. That's right folks, I contributed to the upgrade of Amish communities communications capability, as they could have a cell phone, but not wireline service, as long as it was run by a battery!

In 1987, I upgraded to the Amateur Extra Class license and 10 years later in 1997, received the vanity call sign, **W4EJ**.

In 1990 I transferred back to Raleigh to start up a training center for Alltel, which was upgraded to a test lab in 2001. In 2002 I was promoted to Lab Director which is a position I held for the rest of my career. Alltel was bought out by Verizon and my lab was sold to Frontier Communications which we called "Baby Alltel". Baby Alltel was purchased by AT&T and after 40 years I retired in 2014! During my 37 years in the Telcom industry I went through 9 mergers and always came out in a better position after the ink was dry. I was truly blessed to have the career I had. Currently I am setting up my dream station on my 18 acres in eastern Wilson County.

I'm active on HF especially on

Next Meeting March 12, 2019

The Brightleaf Amateur Radio Club will have its next regular meeting at 7 PM, Tuesday, March 12, at VFW Post 7032 on 1108 Mumford Road in Greenville. Prentice Tyndall, **N4VBH**, will present a



program about Spice, a circuit design program that runs on a PC where one can place and wire together both active and passive circuit elements in

software and test inputs and outputs without ever touching a soldering iron. He teaches this subject at Pitt Community College.

All members, families and guests are invited to attend.

Board Meeting - March 26, 2019

The next board meeting will be Tuesday, March 26, at 7:00 PM at the Offices of Monday & Monday, (CPA), Suite D, East Victoria Court. All members invited.

40/20 cw on the extra cw part of the band. I'm also active on 6 meters. I just finished setting up my vintage stations in the shack and just had a qso with VU2GSM in India on 40 meter cw with my old HQ-170 and DX-60. The antenna systems include a triband beam on 20/15 and 10 on a 50 foot tower and of course as you just saw the Optibeam 40/30 on the Heights 80 foot foldover tower. Plans are in the works to add coverage for 17/12, 80 and 160 and also 60 meters and 2 meter ssb. - Dave, W4EJ

Editors Note: Dave, W4EJ was elected President of BARC for the 2019 Term.

President's Corner– Dave Wood, W4EJ



This has been a very good month for the BARC. Our meeting with ECU went very well and we have full access to VOA site C, and the university very much wants our presence and is willing to help with our future endeavors.

I am glad to report that the NC QSO party held last weekend was a great success with over 58k points scored.

During the month we reached out to Pitt Community College and con-

tacted Prentice Tyndall, **N4VBH**, who is the Curriculum Coordinator and Instructor in the EE department. He is very excited to learn that BARC is interested in the EE students at the school.

Indeed, he is the March program at our next meeting where he will be giving a presentation on SPICE. SPICE means: "Simulation Program with Integrated Circuit Emphasis" and is a general-purpose, open-source analog electronic circuit simulator. It is a program used in integrated circuit and board-level design to check the integrity of circuit designs and to predict circuit behavior. This program has many applications to ham radio especially to those who like tinkering and building circuits from scratch. I'm sure this will be an awesome presentation, and I can't wait to see it. See you at the next meeting! *Dave W4EJ*

Next VE Session

Exams will be held on Tuesday, April 16, 2018 at VFW Post 7032 on 1108 Mumford Road in Greenville, NC. Exams will start promptly at 6:30 PM. For more info email Gary, **KK4GC**, at ve@w4amc.com. (remove spaces) Study material at <http://www.arrl.org/coursestraining>. Walk-ins welcome.

Please bring 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. *

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

WWV Centennial Special Event Will Use WW0WWV

With its funding secure for another year, WWV, the world's oldest continuously operating radio station, will have extra reason to celebrate its centennial this fall. The National Institute of Standards and Technology (NIST) and the Northern Colorado Amateur Radio Club (NCARC) have teamed up to organize 100th anniversary

events. A memorandum of understanding is pending. The WWV Committee has announced that the call sign WW0WWV was granted on February 23 to the WWV Amateur Radio Club for use during the Amateur Radio special event, planned to run September 28 – October 2, with operators on the air — no pun intended — around the clock. NCARC predicts the effort will require "hundreds" of volunteer operators. More at <http://www.arrl.org/news/wwv-centennial-special-event-will-use-ww0wwv>



Happy Birthday

Brightleaf Amateur Radio Club members birthdays in **March**.

03-09 NW4S Jeff Wainwright
03-12 KI6BPT Rita Pulera
03-17 KG4CZV Dave Pulver

Please let me know of any additions or corrections.

Well Wishes

Thoughts and Prayers go out to the following:

John McCoy, K4KBB

Please inform Peter Van Houten, N4PVH, of any changes.



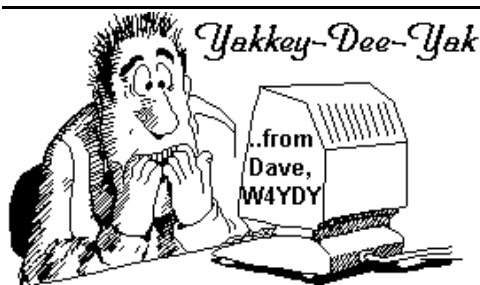
BARC on FACEBOOK

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

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Busy Trip!

BARC member, Hollis Thigpen, **KC3X**, went on a little 5 day trip in February. He was putting out counties working on his goal for the Mobile Diamond Award sponsored by the Mobile Amateur Radio Awards Club (MARAC). It's not an easy award to get. Only 7 have earned the award and the last was awarded in 2015.

Hollis's trip was to put out some of the 159 counties in Georgia and help county hunters with their awards. He has

not totaled up the final results of his trip yet but early numbers are that he transmitted from 85 counties and he only worked CW at around 25 wpm on 40, 30 and 20 meters. He would send slower for those that could not copy that fast. Probably most of his contacts were on the road and only stopping to finish a small county or running a county line. He put 2,397 miles on his Dodge Ram 1500 EcoDiesel averaging 26 mpg.

I worked him in 62 counties, 55 in Georgia and 7 in South Carolina. I got about 8 new counties in GA for the 8th time and got the last county in GA for second time on CW. Now I only need 6 counties in the USA to finish CW for the second time. Missed him in a little over 20 counties because I could not be at the radio from 9 to 6 for 5 days straight.

The Mobile Diamond Award is a stepping stone award in that you have to earn other awards first to qualify for the next. The 2 numbers in brackets are 1-

Hollis's award number and 2 - the total awards earned by all. First you have to qualify for the CQ Magazine USACA award dated 4/14/1987 (538, 1267) for working all 3077 counties. Next comes the Master County Hunter Award (68, 371) commonly called "Bingo". After Bingo, next is the Master Gold Award (9, 70), then the Master Platinum Award (14, 30). To qualify for the Mobile Diamond award, you have to work all counties with a holder of the Master Platinum Award. There are only 30 holders and only a few are mobile now. Also you have to transmit from 500 counties, a lot of miles, on 2 bands making 3 contacts with at least one a holder of the Master Platinum Award on either band. That's why only 7 have earned the award and Hollis hopes to be the 8th one. So far, it's been an 8 year project for Hollis. All the MARAC rules for awards can be seen at <http://marac.org/Awards.pdf>. - W4YDY

North Carolina QSO Party 2019 at VOA site C

Saturday morning was the set up time for the NC QSO party. The day started out full of rain and mud. Doug got stuck in the mud with the BARC trailer and had to be pulled out. So much for being there at 9 o'clock, we're lucky to be there at 11. As usual "Murphy" was an optimist, it is usually worse than what he stated. The keys went AWOL and a wild goose chase was on looking in the mud where the trailer was stuck, no luck. Paul comes to the rescue with a second set and now we start setting up the three stations. (Me thinks Doug likes the mud! This is the second "stuck in the mud" for him but that's better than being a "stick" in the mud!) Keys are eventually found! Multiple radios, 9:1 baluns and tuners are pressed into service to connect one SSB phone radio, one CW contest station and one digital PSK station. Multiple computers for logging, ethernet connections and N1MM software installed. Most of us left by 6pm while a few hardcore operators stayed late testing the rigs and antennas.

Sunday at 9:30 AM came early and once again an intrepid crew met at the VOA site C to get on the air. Additional square loop antenna was hung to try and get the local stations. Participa-



Doug and Gary work SSB

tion on the air appeared light and the bands were dead. It is also possible that these antennas are so strong that they shoot over North Carolina and cannot hear anybody from North Carolina. The crew did get into Bogotá Columbia, Uruguay, Washington state, Texas, Hawaii and Minnesota. But that's as close as we seemed to get on the massive rhombic antennas. HK1A did a yeoman's job with CW while Doug, Gary Paul, Billy and others wrangled SSB phone. In last place was digital (PSK or RTTY only, no FT8 was allowed). We finally figured out the software to radio interface with much help from Jason. No excuses however. Peter did bring 3 alarm chili and cornbread while others brought coffee and sandwiches. No one starved or fell asleep.

All was cleaned up and put away by 9 pm. Much was learned about running 3 radios on 5 bands and 3 modes with the unusual capability of 1600 ft rhombic antennas. WOW! We probably need to use tight filters to remove some of the station interference. Also noise canceling headsets would dim the conversation noise going on in the room while others are listening for CW. Well! The NCQSO party is now over for another year. We had a great time and appreciate all the



Paul tries his hand at PSK

people that came out to both participate and to watch. Too many to names to mention them all but you all know who you are. Thanks for coming and supporting the efforts. Can't wait for the next event. The score is being tallied and submitted by Gary but is estimated at 58,000 points! *Peter, N4PVH*

US Amateur Radio Population Grows Slightly in 2018

The US Amateur Radio population once again grew by about 1%, based upon 2017 and 2018 year-end FCC database statistics provided by Joe Speroni, AH0A. The 755,430 total licensees represent nearly 7,300 more ticket holders than those that were in the database at the end of 2017. Nearly 51% of the Amateur Radio population in the US — 384,145 — hold a Technician license. Generals are second with 175,949, and Amateur Extras number 147,369. Advanced and Novice licensee populations continue to decline, with 39,607 Advanced and 8,360 Novices, as the FCC no longer issues Advanced or Novice licenses. A more significant statistic is 31,576 new FCC licenses last year, although that's 620 fewer than came aboard in 2017.

"New amateur licenses granted by FCC are down 2% over last year," noted ARRL Volunteer Examiner Coordinator (VEC) Manager Maria Somma, AB1FM, "but this is the fifth year in a row the total has been greater than 31,000. I predict that the number of new licensees will be more than 30,000 at the end of this year as well, and I'm optimistic this trend will continue."

Upgrades also are down slightly, compared to last year — 9,456 in 2018 versus 9,576 in 2017, she added. "For the fifth year in a row, we have conducted more than 7,000 Amateur Radio exam sessions in a year — an important milestone for the ARRL VEC," Somma recounted. "Our program continues to provide outstanding service to the ARRL, its

members, and the entire Amateur Radio community."

ARRL VEC filed a total 30,393 license application forms last year, compared to 31,014 in 2017. That includes new, upgrade, modification, renewal, and club station filings. At 7,035 in 2018, the number of exam sessions conducted by ARRL VEC marginally trailed the 7,075 held in 2017. ARRL VEC served 34,493 exam applicants in 2018, compared to 35,352 in 2017. Exam elements administered by ARRL decreased from 47,152 last year to 45,817 this year, Somma said. Nearly 1,800 new Volunteer Examiners (VEs) have been added to the ARRL VEC program. - via ARRL.Com 02/14/2019

Russian "Sunflower" Coastal Radar Showing Up on 60, 40, and 75 Meters

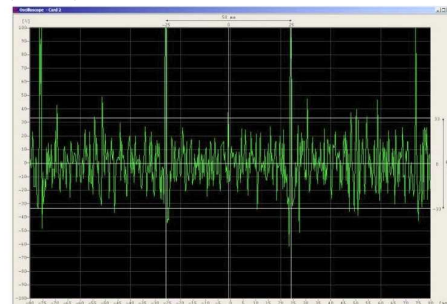
The January issue of the IARU Region 1 Monitoring System (IARUMS) newsletter reports the Russian "Sunflower" coastal radar, located east of Vladivostok, is being heard at nights on 3,716 kHz and 6,860 – 7,005 kHz, as well as on several 60-meter frequencies.

A Chinese wideband over-the-horizon (OTH) radar also appeared on 7.000 MHz in early January.

While 60 meters and 80/75 meters are shared bands, the 7.000 – 7.200 MHz segment of 40 meters is currently allocated exclusively to the

Amateur Radio Service worldwide. True intruders are those appearing on exclusive Amateur Radio frequency allocations.

Some domestic Amateur Radio HF allocations outside Region 2 (the Americas), such as 7.200 to 7.300 MHz, are either shared with other services or not available to radio amateurs. On HF allocations such as 30 and 60 meters, Amateur Radio is secondary to other users. The 20-, 17-, 15-, 12-, and 10-meter bands are exclusively available to the Amateur Radio Service worldwide. - via ARRL.Com 02/25/2019



A Chinese wide-band OTH radar showed up on January 3 on 7,000 kHz. The signal was 160 kHz wide, 20 sweeps/sec. [Courtesy of Wolf Hadel, DK2OM]

2019 Membership Dues

Membership dues for BARC are due January 1. "A grace period of 60 days to renew membership will be given. If dues are not paid by the end of the grace period, membership shall cease until dues for the current year have been paid" per the BARC Constitution. Those who have not paid their dues will not be listed on the roster and will be removed from the Ham Chatter mailing list starting in April. Membership dues are the same as they were in 2018 and are as follows:

- Regular Member \$20.00
- Family Member \$2.00
- Associate Member (Non-Licensed) \$5.00
- Honorary Member \$0.00
- New Hams: 18 and younger (1st year) \$5.00
- New Hams: 19 and older (1st year) \$10.00

Please mail your dues, along with the member application form if there are any changes to:

Brightleaf Amateur Radio Club, P.O. Box 8387, Greenville, NC 27835

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 from <http://www.w4amc.com/application.pdf>. If anyone has any questions concerning their membership status or their dues, please email Jeff Meyer, K4DKW, BARC Treasurer, at jeffreymeyer55@gmail.com (remove spaces in email address).

Thank you for your support and participation in BARC!

TWENTY EIGHTH ANNUAL
DOWN EAST HAMFEST

Prizes

An ARRL Sanctioned HAMFEST

Saturday, APRIL 6, 2019

8 AM until 2(?) PM

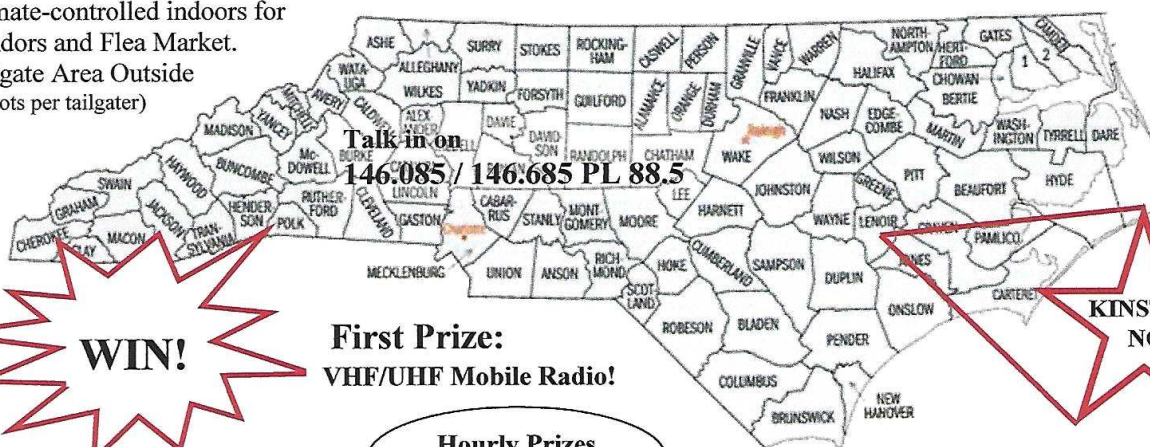
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Lenoir Community College Gymnasium
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VHF/UHF Mobile Radio!**

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(Must be present to win)**

ADMISSION

\$5 each or 3 for \$12 in Advance
 (Early register by March 30, 2019)

\$6 each or 3 for \$15 at the door

Tables available thru pre-registration on a first
 come – first served basis. Locations are assigned
 by HAMFEST

Hamfest Items: Amateur Radio
 Equipment, Computers, Electronics &
 Accessories; Crafts and Hobby-Related
 materials and equipment.

**NO WEAPONS OR
PORNOGRAPHY**

FCC EXAMS

Bring a photo ID, proof of licensing
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 Completion of Examination (if
 applicable.) Walk-ins only!
 Exams start at 11 AM



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Total:	_____

Send completed form and
 SASE to:
 Down East Hamfest, Inc.
 P.O. Box 1778
 Kinston, NC 28503

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.**

FOR SALE: IC7000, ALL FBAND HF/VHF/UH, \$600.00; TARHEEL II HP, MOBILE ANT, 40 THRU 10, \$200.00; TARHEEL II, HP MOBILE ANT, 40 THRU 10, \$200.00; SEVERAL SPEAKER TRIPODS WITH MOUNTS FOR PORTABLE ANT USE, 40.00 EACH; TARHEEL MODEL 100, 80 THRU 10, \$200.00 -

Email Bernie Nobles, WA4MOK

<wa4mok@embarqmail.com

Many thanks to Joe Jeansonne, KB4JOE, for editing Ham Chatter from June 2015 to December 2018.

Wife of Clark, W4GLI (SK), passes.



Carrie Elizabeth Joyner Clark, 93, passed away on Monday February 4, 2019. Mrs. Clark was preceded in death by her husband, William Layton Clark Jr., **W4GLI** in 1994.

A native of Greene County, Mrs. Clark was born to the late Josiah Carson and Julia Smith Joyner. She worked as a bookkeeper for many years for The University Book Exchange. - Via Wilkerson Funeral Home

*Editors Note; Her husband, "Clark", W4GLI, was very popular in the Greenville area. In 1953 when I was still in high school, I first talked to him on 75 meter AM 7 days after I got my General. I met him in later in 1954 when I moved to Greenville for a year. In the 1980's, once when he was en-route back from the Kentucky tobacco market, I heard him on 2 meters passing through Catawba County where I lived at that time. I lived about 5 miles off I-40 so he came by to see me for a short visit. Later in the 1990s when I moved to Greenville, we visited each other several times. He used "Clark" for his handle. Clark got his license probably back in the 1940s about the same time frame as Heber Adams, (SK) **W4GDF** and Hank Tribble, (SK) **W4JVP**. - W4YDY*

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1/8 page, Business Card Size

\$10 per Month - \$100 per Year

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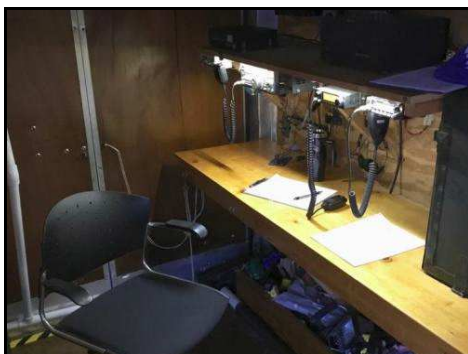
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Race for Epilepsy 2019 Update

An intrepid bunch of eleven Ham Radio volunteers assembled on a cold, rainy morning to support a fundraiser for Epilepsy Research. The 2019 Race for Epilepsy in Washington, NC was run on Feb. 16, 2019 and the amateur efforts to support this cause were led by **Cheryl McGuire, KX4EC**, as she has done many times in the past years.

Well before the date, a spreadsheet was created making a list of the volunteers, their positions and tactical call signs. A list of repeaters that were going to be used and back up plans for communication failures were created. Even Google map locations and a marked map were posted as a PDF on the Facebook "Amateur Radio Emergency Service-NC" group and circulated by email.



Net Control station in ARES Trailer

The group assembled at their locations by 6:30 AM and checked in with Net Control, Peter, **N4PVH**, who was in the ARES Trailer. Other volunteers were Cheryl, **KX4EC**, Tom Kottke, **KN4PHA**, Bill Dawson, **WA4SLC**, Bob Hanrahan, **AF4QY**, Jeff Meyer, **K4DKW** Al Mullis, **K4GOE**, Marcian Bouchard, **KC4TOI**, Doug Ferris, **K4ROK**, George Robinson, **WG8AR**, and Paul Patterson, **N4CE**. The weather was horrid, with constant cold drizzle and periods of pounding rain and high wind; no thunder, though, as that would have canceled the event.

There were only two volunteers who did not come (life happens, and one was volunteered without his permission and did not know it) but we had a plan for that, too. The gap in the list was covered by Tom **KN4PHA** who was at the start of the race in ALPHA position, and as

soon as the runners passed him, he moved from ALPHA position to FOXTROT and closed the gap in coverage. Many thanks to his stamina to run to the new position! The tactical call signs (ALPHA through KILO, NetControl and VICTOR (start/end of race) were a joy to use as they were placed on the map in the order of the run which made it very easy to monitor the position of the racers on the course. Check out was facilitated by this as well. The use of the tactical call signs also allowed timing to be recorded and improved our ability to predict the first and last runners arrival. The repeater (Chocowinity) worked flawlessly and we had the Bath repeater as a back up. Ultimately we would go simplex on the Chocowinity repeater frequency if all else failed as all you had to do is turn off the duplex on that channel to go to simplex.

Things that went well: all of it went nearly flawlessly except making sure all volunteers had been "really" volunteered! Race organizers had a sweeper on a bicycle at the end of the runner pack who tended to wander here and there between the short race and the long race making the monitoring to the tail of the race a little challenging. The Police department did traffic control well. Having Paul **N4CE** at the beginning of the race and having access to the organizers to get answers to questions very helpful. Cheryl in her truck also moved to any area of either missing coverage or poor coverage as a ROVER was most helpful.



Police controlling traffic and runners passing the ARES Trailer

We met after the race at the local Hardees for a mid morning breakfast and had an "After Action Report" over coffee and biscuits. Many thanks to all for a great nearly flawless job done in the worst of weather. - 73 Peter, **N4PVH**

NETS

VHF/UHF

- ◆BARC Net, Mondays, 8 PM ET on 147.09 MHz, W4GDF Repeater.
- ◆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

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

Pitt County Repeater Association

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

BARC on FACEBOOK

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

Facebook and Group details

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

February VE Session

No one came to the VE session to take exams. Very unusual. BARC President Dave Wood, **W4EJ**, came out to observe and talk up BARC if anyone showed up. VE Liaison Gary Coriell, **KK4GC**, Gerald Sighman, **KN4CKL**, Al Mullis, **K4GOE**, Dan Wallace, **K4HWM** and Dave Langley, **W4YDY** there to serve.

The next session will be April 16.

BARC CALENDAR OF EVENTS

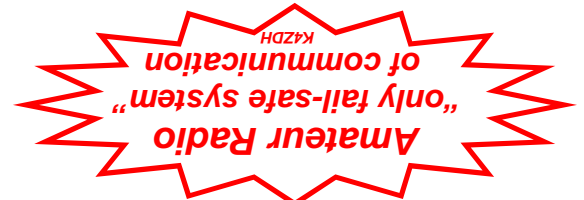
Mar 12	Regular Meeting	Jun 22/23	ARRL Field Day
Mar 26	Board Meeting	Jun 25	Board Meeting
Mar 30/31	CQ WW SSB WPX Contest	July ?	Regular Meeting
Mar 30	HAM CHATTER DEADLINE	July 20	Swapfest, Cary
Apr 6	Down East Hamfest Kinston	July 30	Board Meeting
Apr 9	Regular Meeting	Aug 13	Regular Meeting
Apr 16	BARC VE Session	Aug 20	BARC VE Session
Apr 20	RARSFest Raleigh	Aug 27	Board Meeting
Apr 30	Board Meeting	Aug 30	Shelby Hamfest
May 14	Regular Meeting	Oct 13	Maysville Hamfest
May 25/26	CQ WW CW WPX Contest	Oct 15	BARC VE Session
May 28	Board Meeting	Nov 24	Benson Hamfest?
Jun 8/9	ARRL June VHF Contest	Dec 17	BARC VE Session
Jun 11	Regular Meeting		
Jun 18	BARC VE Session		

Regular Meeting - 2nd Tuesday @ 7:30 PM
Board Meeting - Last Tuesday @ 7:30 PM

BARC 2 METER NET - MONDAY NIGHTS AT 8:00 PM - 147.09 W4GDF REPEATER - 131.8 Tone

BRIGHTLEAF AMATEUR RADIO CLUB STATIONS

W1VOA - W4AMC - W4UHS



Next Meeting
March 12

March 2019

To:



Ham Chatter
 Brightleaf Amateur Radio Club
 PO Box 8387
 Greenville, NC 27835