

HAM CHATTER



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JOTA Reports 36% Growth in Scout Participation

Scouting's Jamboree on the Air (JOTA) 2018 reports that total Scout participation in the annual fall event jumped by 36% from 2017. Each year more than 1 million Scouts and Guides get together over the airwaves for JOTA, which takes place on the third weekend of October. Since the first JOTA in 1958, millions of Scouts have become acquainted via Amateur Radio, and contacts sometimes result in relationships that extend for many years.

This year, 10,703 Scouts took part in the event, compared with 7,872 last year. Participating Amateur Radio operators topped 1,000 for the first time since 2016. At 610, the number of registered JOTA locations was way up, as was the number of JOTA stations registered, with 314. Participating JOTA stations reported contacts with stations in 99 countries, also up over 2017.

JOTA Coordinator Jim Wilson, K5ND, said he was pleased with this year's numbers and hopes that 2019's event will show a continued increase, despite a lack of sunspots.

"Looking over the numbers, a big part of the increase in JOTA Scout participation came from the World JOTA-JOTI (Jamboree on the Internet) Team's registration and reporting system," Wilson told ARRL. "We had 233 stations report results on the US system, which is comparable to last year's 226. In addition to that, 90 stations reported their results on the World system. After eliminating duplicates, this added 33 to our total of 266 station reports.

That, chiefly, accounts for the increase in total Scout participation. In summary, perhaps this nice increase is due primarily to more accurate reporting."

Wilson said he's also looking forward to the final tally on US participation in JOTI. "Location registration in the US jumped from 274 last year to 610 this year," he said. "Several Amateur Radio operations reported using JOTI chat and Skype to greatly improve their ability to generate Scout-to-Scout conversations between the US and the rest of the world. Of course, VoIP modes like D-Star, DMR, and EchoLink also helped in our solar minimum."

World JOTA-JOTI numbers are not expected until early 2019, as each country reports its results by mid-December followed by number crunching and compiling of the report, Wilson explained.

"Thanks to everyone who set up a JOTA station and helped Scouts experience the technology, fun, and magic of Amateur Radio. Let's do it again next year," he concluded.

-via ARRL @ <https://go.joeteach.us/2SyJzul>



Next Meeting December 11, 2018

The Brightleaf Amateur Radio Club will have its Annual Christmas Party Tuesday, December 11, at VFW Post 7032 on 1108 Mumford Road in Greenville. Meal will be served at 7 PM.

Arrive at 6:30 PM for table and food setup. Meal will be covered dishes with beverages furnished by BARC. Attendees should bring a covered dish. It can be from appetizers to main dish, dessert and everything in between.

Peer awards for BARC Ham of the Year, OM of the Year, YL of the Year, Elmer of the Year and New Ham of the Year will be awarded. Also officer and VE certificates will be awarded for the volunteers. Officers for 2019 will be introduced.

All members, families and guests are invited to attend.

VFW Post 7032 [Map & Pictures](#)
[Google map](#) to VFW Post 7032

BARC Board Meeting New Start Time 7PM

The next board meeting will be Tuesday, December 18, at 6:00 PM at VFW Post 7032 on 1108 Mumford Road in Greenville, NC. This will be a 30 minute meeting. The VE Session starts the 6:30 PM. All members invited.

2019 BARC Officer Elections

At the November 13, 2018 club meeting, the following members were elected for one year terms in 2019. Congratulations to all.

President – Dave Wood, **W4EJ**
 1st VP – Peter Van Houten, **N4PVH**
 2nd VP - Louis Demko, **W3LPR**
 Secretary, Gary Coriell, **KK4GC**
 Treasurer, Jeff Meyer, **K4DKW**
 Trustee, Terry Monday, **K4ZYD**
 Trustee, Bill Dawson, **WA4SLC**

Next VE Session

Exams will be held on Tuesday, December 18, 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. *

* More info at <<http://bit.ly/1FOhE1S>>.

NC ARES Internet

<http://www.ncarrl.org/ares/>

**Pitt County ARES
EC needed!**



In this Issue..

JOTA Reports 36% Growth in Scout Participation	1
2019 BARC Officer Elections	2
Happy Birthdays.....	2
Well Wishes	2
Next VE Session.....	2
California Radio Amateur Receives Notice of Unlicensed Operation from FCC.....	4
October 2018 BARC VE Session Results.....	4
Ham Ads	5
FCC Rejects 2004 AMSAT Petition to Reconsider Applying Orbital Debris Rules to Ham Satellites. 6	6
2019 Dues.....	7
BARC - 2018 CALENDAR OF EVENTS	8



Happy Birthdays

Brightleaf Amateur Radio Club members birthdays in December.

02 W4ZRA Rick LaMonica
 11 AK4MU James Lewis
 11 KG4CCX Todd LeMoine
 13 KC4RBE June Highland

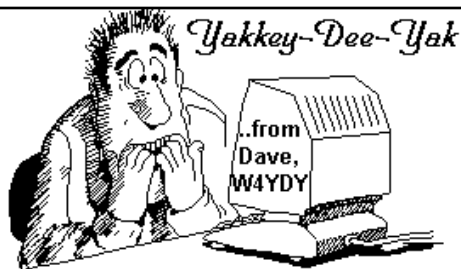
Well Wishes

Thoughts and Prayers go out to the following:

Please inform Joe Jeansonne, KB4JOE, of any changes.

Additions or corrections to KB4JOE

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Checking 811A Tubes

If anyone has a tube tester that tests 811A tubes, I would like to check out a few. I have about 5 or 6 that I need to test and I'm sure some are okay but just want to be sure which ones. I use four of them in my Collins 30L-1 and just put in a new set after one shorted and burned out a resistor and capacitor. Replaced the parts and ordered four new ones for the amplifier. It works fine again just like it did when I got it over 57 years ago. It's still a great amplifier putting out about 600 watts. Please let me know if you have a tube tester that could be used for a few minutes or if you know of anyone else that might be able to help. Email my call sign at arrl.net.

BARC 2018 Activity

Another year has flown by! The Brightleaf ARC has participated in several activities this year. The first main one was the North Carolina QSO Party in February and was again a special station operating from the former VOA Receiver Site C. The club call sign W1VOA attracted more attention. Plans are already in progress for the QSO party in February 2019.

The biggest annual activity as usual was Field Day in June at Oakwood School. Antennas were installed and generators readied by contest time at 2 PM on Saturday. The highlight of the weekend activity was when families came out to enjoy the evening meal catered by Linda Nobles, the better half of WA4MOK.

Thanks to all that participated.

Volunteer Examiners

At present we have 65 members in BARC. We need more activity from those that have not participated very much in the club organization. You will enjoy the club more when you step up for officer positions and other volunteer positions. One of the best advantages of club activity participation is the fellowship with fellow club members.

The club could use some more Volunteer Examiners at the VE sessions. At least three Amateur Extra examiners are needed if we have anyone taking the General or Amateur Extra Class exams.

The General examiner can sign off for the Technician exam. We only had three examiners at the last session in October including the Liaison, Gary, KK4GC. It's best to have three plus the Liaison since the Liaison is extra busy handling all the forms. If he has stop to grade exams, it slows down the process. No exams can be given if there are less the three examiners. It's very rewarding to see the excitement when an exam is passed. Not long ago, a mom and dad brought their teenage son down from west of Roanoke Rapids and he passed the Technician exam. He jumped up and down with joy hugging his mother when he found out he had passed.

IS BIG BROTHER IS WATCHING?

Following is a recent story that caught my attention. A report from BuzzFeed News, November 16, 2018:

Facebook has submitted a patent application for technology that would predict who your family and other household members are, based on images and captions posted to Facebook, as well as your device information, like shared IP addresses. The application, titled "Predict-

ing household demographics based on image data," was originally filed May 10, 2017, and made public today (November 15, 2018). The system Facebook proposes in its patent application would use facial recognition and learning models trained to understand text to help Facebook better understand whom you live with and interact with most. The technology described in the patent looks for clues in your profile pictures on Facebook and Instagram, as well as photos of you that you or your friends post.

It would note the people identified in a photo, and how frequently the people are included in your pictures. Then, it would assess information from comments on the photos, captions, or tags (#family, #mom, #kids) -- anything that indicates whether someone is a husband, daughter, cousin, etc. -- to predict what your family/household actually looks like. According to the patent application, Facebook's prediction models would also analyze "messaging history, past tagging history, [and] web browsing history" to see if multiple people share IP addresses (a unique identifier for every internet network).

A Facebook spokesperson said in response to the story, "We often seek patents for technology we never implement, and patents should not be taken as an indication of future plans."

I wonder what's next since we now have cell phones and newer cars have computers following our movements and cameras in stores and on streets watching us.

- W4YDY

California Radio Amateur Receives Notice of Unlicensed Operation from FCC

The FCC Enforcement Bureau on November 7 issued a Notice of Unlicensed Operation (NoUO) to Technician licensee Daryl Thomas, KE6MWS, of Carmichael, California, for allegedly operating an unlicensed FM radio station.

On October 10, 2018, an Enforcement Bureau agent from the FCC's San Francisco Office responded to a complaint of an unlicensed FM station operating on 95.7 MHz in Carmichael. The agent confirmed by direction-finding techniques that a signal on 95.7 MHz was emanating from a residence, and Thomas subsequently admitted that he was the operator of this station, the FCC said in the NoUO.

The agent measured the field strength of the signal found that it exceeded the maximum permitted level of 250 μ V per meter at 3 meters, established under Part 15.

The Notice cautioned Thomas that operation of radio transmitting equipment without a valid radio station authorization, or in violation of the Commission's RF radiation limits, constitutes a violation of the federal laws cited above and could subject the operator to severe penalties, including, but not limited to, substantial monetary fines, in rem seizure of the offending radio equipment, and criminal sanctions including imprisonment.

"Unlicensed operation of this radio station must be discontinued immediately and must not resume," the Notice warned.

via ARRL @ <https://go.joeteach.us/2RBK9aF>

New BARC Call Sign Trustee

Bill Dawson, **WA4SLC**, is now the Brightleaf Amateur Radio Club trustee for the 3 call signs, **W4AMC**, **W4UHS** and **W1VOA**. They were effective October 23 and October 24, 2018. Any questions concerning the call signs should be referred to Bill. – W4YDY

October 2018 BARC VE Session Results

On the October 16, 2018 BARC VE session, there were two candidates passing the FCC exams. Judy Taber, **KN4PWV**, Greenville, and Mike Piantanida, **KN4PWU**, Snow Hill, passed the Technician Class license exam to earn their Amateur Radio license. They both aced the exams getting all 35 questions correct. Welcome to Amateur Radio Judy and Mike and congratulations for your accomplishment. The FCC assigned their new call signs on October 24, 2018.

The VEs present were VE Liaison Gary Coriell, **KK4GC**, Gerald Sighman, **KN4CKL**, and Dave Langley, **W4YDY**.

The next regular BARC VE session is scheduled for December 18, 2018. Go to <http://www.w4amc.com/barcinfo.html#VE> for the latest information. - W4YDY



Robert Young, NC4RY, showing his County Hunter Award certificate to the BARC club at the October club meeting. He knew some members would be very surprised!

Ham Ads

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Send ads to:

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Greenville, NC 27835, ATTN: Joe Jeansonne
or email to: hamchatter@w4amc.com(no spaces)

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 - 12/05/18

Email Bernie Nobles, WA4MOK <wa4mok@embarqmail.com>



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Help support Ham Chatter and the club.
Donations accepted

FCC Rejects 2004 AMSAT Petition to Reconsider Applying Orbital Debris Rules to Ham Satellites

The FCC has rejected a Petition for Reconsideration that AMSAT filed 14 years ago, seeking to exempt Amateur Radio satellites from the FCC's satellite orbital debris mitigation requirements. The Commission took the opportunity in a Notice of Proposed Rulemaking and Order on Reconsideration, released on November 19, that revisits its orbital debris rules for the first time since their adoption in 2004. Among other things, AMSAT had argued at the time of its Petition that applying the orbital debris requirements to Amateur Radio satellites would be cost prohibitive, and that the FCC had not indicated what constitutes an acceptable orbital debris mitigation plan.

Acknowledging that time has made some of AMSAT's arguments moot, the FCC said the costs involved with modifications to comply with post-mission disposal requirements "are justified when balanced against the public interest in mitigating orbital debris." The FCC said it determined that closer adherence to the disposal methods described in

the rules was "warranted in order to limit the growth of orbital debris" in low-Earth orbit (LEO).

"In any event, in the years since the debris mitigation rules were adopted, and notwithstanding any costs imposed by FCC regulations, well over 150 small satellites have been authorized, with at least 20 of those considered amateur satellites," the FCC said in its November 15 Order on Reconsideration. "It appears that, to the extent that any costs have been incurred, the main contributor to costs for amateur and similar LEO missions has to do with the availability of launches to appropriate orbits."

The FCC also said that in the years since the FCC issued its Orbital Debris Order, "numerous licensees, including amateur satellites operating in LEO, have successfully satisfied our orbital debris mitigation requirements.

AMSAT released a statement on the dismissal of its reconsideration petition.

"For nearly 60 years, Amateur Radio hobbyists, experimenters, and researchers from AMSAT, other Amateur Radio organizations, and universities worldwide have pioneered numerous satellite technologies, including inter-satellite communication links, search-and-rescue satellite systems (SARSAT), reception of GPS signals at altitudes above the GPS constellation, and the use of commercial off-the-shelf components in space while accomplishing this with smaller and smaller satellites. We look forward to working with the FCC to craft a regulatory framework that addresses the growing concerns regarding orbital debris while preserving the flexibility for hobbyists, experimenters, and researchers to access a variety of orbits."

-via ARRL @ <https://go.joeteach.us/2StGHPe>

2019 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](mailto:jeffreymeyer55@gmail.com) (remove spaces in email address).

Thank you for your support and participation in BARC!

NETS VHF/UHF

- ◆ BARC Net, Mondays, 2000 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

Greenville repeaters

147.09/69 - 145.35/144.75

444.8/449.8

All use 131.8 tone

BARC - 2018 CALENDAR OF EVENTS

SARL 80M QSOP Apr 05
 SP DX Apr 07
 Club Meeting Apr 10
 JIDX CW Apr 14
 Oakwood Topics Apr 14
 VE Apr 17
 Holyland DX Apr 20
 ES OPEN HF Apr 21
 CQMM DX Apr 21
 YU DX Apr 21
 Board Meeting Apr 24
 ARI Intl DX May 05
 CQ-M Intl DX May 12
 Club Meeting May 08
 Oakwood Topics May 12
 Board Meeting May 22
 CQ WW WPX CW May 26

Asia Pacific Sprint SSB Jun 09
 GACW WWSA DX CW ... Jun 09
 Club Meeting Jun 12
 Oakwood Topics Jun 16
 All Asian DX CW Jun 16
 VE Jun 19
 ARRL Field Day Jun 23
 Board Meeting Jun 26
 RAC Canada Jul 01
 Marconi HF Jul 07
 Club Meeting Jul 10
 Oakwood Topics Jul 14
 IARU HF Jul 14
 Jakarta DX 40M Jul 21
 Board Meeting Jul 24
 RSGB IOTA Jul 28
 European HF Aug 04

Southern Africa HF SSB .. Aug 05
 WAE DX CW Aug 11
 Club Meeting Aug 14
 Oakwood Topics Aug 16
 NA QSOP SSB Aug 18
 VE Aug 21
 YO DX HF Aug 25
 SARL HF CW Aug 26
 Board Meeting Aug 28
 All Asian DX SSB Sept 01
 WAE DX SSB Sept 08
 Club Meeting Sept 11
 Oakwood Topics Sept 15
 Scandinavian CW Sept 15
 UK/EI SSB Sept 22
 Board Meeting Sept 25
 SARL 80M Oct 04

Oceania SX SSB Oct 06
 Club Meeting Oct 09
 Oakwood Topics Oct 13
 Oceania DX CW Oct 13
 VE Oct 16
 Asia Pacific CW Oct 21
 CQWW SSB Oct 27
 Board Meeting Oct 23
 Club Meeting Nov 13
 Oakwood Topics Nov 17
 Board Meeting Nov 27
 Club Meeting Dec 11
 Oakwood Topics Dec 15
 VE Dec 18
 Board Meeting Dec 25

To:



**December 2018
 Next Meeting
 December 11, 2018**



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