

HAM CHATTER



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HAM RADIO in Friedrichshafen Puts Scouts in the Spotlight

“Radio Scouting – The Adventure of Youth Amateur Radio” is the theme for the 43rd edition of the international Amateur Radio exhibition, **HAM RADIO**, in Friedrichshafen, Germany.

“In past years, we have presented exhibits that have shown all of the different settings where radio is used,” said the Deutscher Amateur Radio Club’s (DARC) Stephanie Heine, DO7PR. “This year, we have invited Scouts who are active on the airwaves.” Visitors will be able to learn more about radio Scouting at an exhibition and at a booth at the Friedrichshafen Fairgrounds (Die Messe). “In addition, a huge yurt tent and a pioneering tower will be put up on the West Open Air Grounds,” Heine said.

After taking place in late June for many years, Europe’s largest Amateur Radio gathering has more recently become a bit of a moving target. This year’s show will shift to June 1 – 3, in conjunction with the 69th Lake Constance Convention – both organized by the DARC – and the separate, but concurrent, **Maker Faire**. **HAM RADIO** once again will host a Software-Defined Radio Academy (SDRA) conference and **HamCamp** on Lake Constance, for younger visitors and youth groups. In 2017, when the events were held in mid-July, the attendance for

both events was more than 17,100. This year’s event features some 180 exhibitors from 30 countries.

President Rick Roderick, K5UR, will head ARRL’s contingent to **HAM RADIO 2018**, which will also include ARRL International Affairs Vice President Jay Bellows, KOQB; Marketing Manager Bob Inderbitzen, NQ1R; Field Services and Radiosport Manager Norm Fusaro, W3IZ, and Radiosport Administrative Manager Sabrina Jackson.

On hand for the International Amateur Radio Union (IARU) will be IARU President Tim Ellam, VE6SH/G4HUA; Vice President Ole Garpestad, LA2RR, and Technical Representative Dale Hughes, VK1DSH. An informal international meeting of IARU member-society representatives is set for June 1. Germany also will host World Radiosport Team Championship 2018 (WRTC 2018) July 12 – 16.

For those who have never been, **HAM RADIO 2017** is the focus of an **independent video** featuring interviews with radio amateurs from many countries. Although the video starts out with German speakers, it contains plenty of English, and a few other languages as well. — Thanks to **HAM RADIO**; Thomas Wrede, DF2OO, and Bob Inderbitzen, NQ1R via ARRL @ <https://bit.ly/2EjM1gu>

Next Meeting April 10, 2018

The Brightleaf Amateur Radio Club will have its regular meeting at 7:30 PM Tuesday, April 10, at VFW Post 7032 on 1108 Mumford Road in Greenville. The program will be by ARRL NC Section Manager Karl Bowman, **W4CHX**. His subject will be “Emergency Communications and Amateur Radio.”

All members, families and guests are invited to attend.

BARC Board Meeting

The next board meeting will be Tuesday, April 24th at 7:30 PM at the Offices of Monday & Monday, (CPA), Suite D, East Victoria Court. All members invited.

Brightleaf 2018 Dues

Membership dues for BARC are due **January 1**. 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 2015 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.

Next VE Session

Exams will be held on Tuesday, April 17, 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](mailto: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!



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Happy Birthday

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

- 03 K4KBB John McCoy
- 17 KJ4DMV Geraldine Sanchez
- 18 WB4PMQ Macon Dail
- 28 K4EEP Reggie Bradshaw

Well Wishes

Thoughts and Prayers go out to the following:

Additions or corrections to KB4JOE

Please inform Joe Jeansonne, KB4JOE, of any changes.

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Another great hamfest in Raleigh on April 31. The night before, I went to the dinner that the Raleigh Amateur Radio Society has for vendors and club members. Ended up setting at a table with the Tarheel Antenna guy, Robert Young, NC4RY, and former BARC member Murray Merner, K4MHM. Robert and I had a conversation about the digital modes, including FT8.

My favorite thing about hamfests in the area is seeing old friends and recent friends and making new friends. Talked to many that I have known for 30 to 40 years or more. Saw about half dozen BARC members.

I also made a list of items that I was looking for but most of my list this time was a flop. I couldn't find audio cables or din plugs. Last year there were a lot of din plugs for sale. I did trade some new tubes that I had for years but never used them. Traded for some that I needed with Stan from Orlando. His web site is thetubecenter.com.

I did buy some new ARRL logbooks. Back when I got my license, the FCC required

that you keep logs of all contacts and other transmissions. When you called CQ, that required a line in the logbook. Each logbook of the 50 pages has 25 lines. On my first logbook's first page, I had 2 QSO's, 16 CQ's, one station that called me and seven stations that I called but had no QSO's with them due to QRM. There was no column labeled 'Station Worked'. There were 2 columns labeled 'Station Called' and 'Called By'. An 'X' was used in place of your call. From the logs, you can tell who called who the first time.

I'm very glad that logs were required then but years later when the FCC dropped the requirement, I continued to keep logs using the ARRL logbooks. I now have about 110 logbooks. Also have the log data in my main logging program on the computer so I can find call signs of anyone that I have contacted. Looking through the old logs, it brings up memories of past operations with friends that are now passed and those that are still here. It took several months to enter the data from years back but it was only 14,000 contacts when I got the logging program. Now I have almost 10 times that many. I make backup of the data on several hard drives and also upload it to my website about every 3 or 4 weeks.

The ARRL logbooks in 1952

had a red cover and cost 50 cents and in the 1960 it was 75 cents. A new one today is \$7.95 plus whatever! The logbooks take up about 3 1/2 feet of shelf space!

Speaking of FCC regulations, as I recall in the 1950's, when you were mobile or portable and were gone for more than 48 hours, you had to notify by mail the FCC the district you were operating in. You had to include the dates you would be in their district. Each district you operated in would require a letter. I remember operating in Florida in a week long vacation at a family camp and I notified the Tampa FCC district office. In 1953, I used a Harvey-Wells TBS-50D transmitter and a Hallicrafters SX71 receiver on AM. In 1957, I used the Hallicrafters Ht-32 transmitter and Collins 75A-4 receiver on SSB. The picture is of my station in Florida in 1953. - **W4YDY**



Launch of "SpaceBEEs" Unauthorized, FCC Tells California Technology Developer

On the same launch as an Amateur Radio satellite in January from India, some tiny 0.25 U CubSats called SpaceBEEs — not to be confused with the fantasy insects in the "Futurama" TV cartoon — also went into space when they apparently should not have.

Last December, in a letter to their developer, [Swarm Technologies Inc.](#) of Los Altos, California, Anthony Serafini, the Chief of the FCC's Experimental Licensing Branch, advised that the FCC was unable to grant the company's application for an Experimental authorization in association with deployment and operation of "four spacecraft smaller than 10 cm in one of their three dimensions."

In dismissing the application without prejudice, the FCC said the spacecraft were below the size threshold "at which detection by the Space Surveillance Network (SSN) can be considered routine." The FCC said the proposed addition of KU-band radar reflectors would overcome

the issue only with respect to the small portion of the SSN that utilizes the KU band.

"In the absence of tracking at the same level as available for objects of 10 cm × 10 cm × 10 cm, and in the event of a conjunction with an operational spacecraft, the ability of operational spacecraft to reliably assess the need for and plan effective collision avoidance maneuvers will be reduced or eliminated," the FCC said.

Last week, the FCC e-mailed Swarm Technologies that its application for an additional experimental authorization had been set aside and was "in a pending status for further review."

"The International Bureau requested that the grant be set aside in order to permit assessment of the impact of the applicant's apparent unauthorized launch and operation of four satellites, and related statements and representations, on its qualifications to be a Commission licensee," the FCC informed

Swarm Technologies.

Swarm told the FCC in an appendix to its experimental radio authorization application that it was seeking to demonstrate "two-way communications satellites to serve as a cost-effective low-data rate Internet of Things (IoT) network connectivity solution for remote and mobile sensors."

via ARRL @ <https://bit.ly/2q4Iiz9>

February 2018 BARC VE Session Results

On the February 20, 2018 BARC VE session, one candidate upgraded and five passed the Technician Amateur Radio exam. The FCC records were updated 3/1/18.

Peter Van Houten, **KG4WEZ**, Fountain, upgraded to Amateur Extra Class.

Frances Smith, **KN4KEI**, Greenville, Brian Smith, **KN4KEJ**, Greenville, Ektan Patel, **KN4KEM**, Greenville, Albert Sloan, **KN4KEK**, Winterville, and Daniel Holley, **KN4KEL**, Fountain, all successfully passed the Technician Class

exams. All of the Technician Class licenses were assigned call signs on March 1, 2018.

Congratulations to all.

The VE's that attended were VE Liaison Gary Coriell, **KK4GC**, Morris Lewis, **AK4MU**, Al Mullis, **K4GOE**, and Dave Langley, **W4YDY**. The next regular BARC VE session is scheduled for **April 17, 2018**.

- W4YDY



(Left to Right) VE Liaison Gary Coriell, **KK4GC**, Morris Lewis, **AK4MU**, Al Mullis, **K4GOE**, and Dave Langley, **W4YDY**, grading exams at the February session. . Photo **KG4WEZ**

Ham Ads

Monday & Monday, CPA's, PA

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

All batteries & light bulbs for home & business

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FCC Seizes Equipment from Pirate Broadcasters in Boston

The FCC reports that it seized transmission equipment from two pirate radio stations in Boston on March 26. According to court documents, the seizures involved an illegal broadcaster that identified as “Big City” on various FM channels from Dorchester, Massachusetts (with a studio in Roxbury) and pirate “B87.7 FM,” which operated on 87.7 FM from Dorchester. Both unlicensed stations had been issued multiple warnings but continued to operate. Pursuant to federal forfeiture statutes, authorities seized equipment operated by each radio station. The forfeiture actions came in the wake of complaints to the FCC — including one from a licensed broadcaster — about interference, the FCC said.

“When pirate radio stations refuse to cease operations, despite multiple warnings, action must be taken,” US Attorney Andrew E. Lelling said. “It is a public safety hazard for illegal radio stations to broadcast, potentially interfering with critical radio communications. We will work in conjunction with the FCC’s Enforcement Bureau to identify violators of federal communications law.”

Over past year, the FCC has significantly ramped up its enforcement activity against unlicensed broadcasters, netting at least two Amateur Radio licensees alleged to be involved in pirate broadcasting.

Enforcement Bureau Chief

Rosemary Harold said the FCC has been “pursuing multiple legal routes to stop pirate broadcasters,” and that the seizure action in Boston is just one of them. The Communications Act of 1934 prohibits the operation of radio broadcasting equipment above certain low-intensity thresholds (under FCC Part 15) without an FCC license. The Act authorizes the seizure and forfeiture of any electronic or radio frequency equipment used to broadcast without an FCC license.

The US Marshals Service and Boston Police Department provided assistance with the seizure operations. — FCC News Release

via ARRL @ <https://bit.ly/2H8sRon>

Brightleaf Amateur Radio Club - March 13 2018 Meeting Minutes

President Gary Coriell called the meeting to order at 7:30. There were 21 people present. Gary led the members in the pledge of allegiance to the US Flag.

Allen Everett Pitt Counties Emergency Management Coordinator was welcomed. Allen presented a program about which included Pitt Counties response to Hurricane Matthew. A question was asked about what can we as Ham Radio operators do to help during storms or other events. Allen said we could help at shelters and the EOC. He stated that we would be very valuable if other means of communications failed. A question was asked about which FEMA courses were required to help. He said 100, 200, 700, and 800 are required, but those can be waived so that anyone can help during an emergency.

There was a discussion about giving free BARC one year membership to new hams or non -members who upgrade at our testing session. Paul Fletcher moved that this policy be implemented, Dave Wood seconded the motion. President Gary called for the vote and the motion passed.

Volunteers are needed for the MS walk on April 21. It will start in Greenville on the Town Common. There will be more information at the next meeting.

The next Oakwood help session will be on April 7. The subject will be new station setup. Then on April 24 Dave Wood will present a class on grounding.

The meeting was adjourned at 8:45.

FCC Launches New Honors Engineering Program

The FCC [has announced](#) a new Honors Engineer Program to recruit current students and recent engineering school graduates to the FCC and into the forefront of the technology and communications fields.

“The digital revolution is rapidly transforming virtually every aspect of American life,” said FCC Chairman Ajit Pai. “And it’s changing the FCC’s work, too. Many of the issues we confront today are technically complex. That makes it all the important to bring the best engineering talent to the Commission.”

The Commission is seeking new engineering talent to work on cutting-edge issues in the communication and high-tech

arenas. The FCC is offering an opportunity for individuals to gain public sector experience through a 1-year career development program, after which Honors Program engineers would be eligible for consideration for continued employment at the FCC.

The FCC will review many facets of a candidate’s background, including academic achievement, technical skills, engineering, and extracurricular activities, as well as demonstrated interest in government service and/or the communications sector. Interested individuals should review the recruitment announcement and apply online.

via ARRL @ <https://bit.ly/2GybqoB>

BrightLeaf Amateur Radio Club Board Meeting

Board Meeting March 27 2018

VP Dave Wood called the meeting to order at 7:30 PM.

Attending the meeting were, Dave Wood, Bernie Nobles, Bill Dawson, Jeff Meyer, Peter Van Houten, Pat Williams, Dave Langley, and Doug Ferris. Filters and switches have not been ordered yet. Peter will order soon. Dave Wood will have a 2KW inverter available soon that can be used by the club. Peter has consulted with Lawrence Behr about the tower/generator trailer that his company constructed for Pitt County Emergency Management. BARC has used the trailer at a few Field Days. When they went to check out the trailer it was being serviced and is operational. Peter will ask Allen Everett what plans he has for the trailer and what BARC will be able to do with it. We also need to know about access to the trailer and moving it to where it will be needed.

It was suggested that a copy of the club newsletter be given to everyone who attends our VE session.

There was a discussion about possibly getting club shirts, jackets or other club items for the members to purchase.

There was a discussion about a fundraiser for BARC. There will be more about that later.

The meeting was adjourned at 8:30.

**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:



**April 2018
 Next Meeting
 April 10, 2018**



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 Brightleaf Amateur Radio Club
 PO Box 8387
 Greenville, NC 27835