



# Ham Chatter



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## Boy Scouts' Jamboree on the Air Announces Theme for 60th Annual Event

"60 Years Connecting Scouts" is the theme for the Boy Scouts' 2017 Jamboree on the Air (JOTA), set for October 20-22. JOTA Coordinator Jim Wilson, K5ND, said the theme "recognizes the start of the event in 1957 and commemorates its growth in participation and in the expanding communication channels that are activated on the third weekend in October." The official JOTA patch will be available by July 19. The JOTA-JOTI (Jamboree on the Internet) patch is available now.

Wilson said JOTA's "communication channels" now include Amateur Radio on the air and via Internet-based channels, as well as many other Internet-based options including social media, ScoutLink and IRC chat services, Skype, and more.

"It also recognizes the goal of the event — connecting Scouts so that they can engage in conversations with other Scouts across town and around the world," Wilson said. "This allows them to discover geographic and cultural differences and similarities. Plus,

they are exposed to the technology that makes all this happen."

The World JOTA-JOTI Team said it would announce "a number of weekend activities supporting the 2017 theme." The Boy Scouts of America station K2BSA will be on the air during the 2017 National Scout Jamboree, July 18 to July 28, from the Summit Bechtel Scout Reserve in West Virginia. The K2BSA operation will demonstrate Amateur Radio to several thousand Scouts and fulfill the Radio merit badge requirement for QSOs.

"We need you on the other end of the contact," the BSA announcement said.

All information for making a contact with K2BSA during the Jamboree is on the K2BSA website. It lists frequencies, repeaters, EchoLink, and D-Star options. K2BSA will also publish live updates on Facebook and Twitter of active frequencies.

- Read More <http://bit.ly/2uKysmd>

## Next Meeting July 11, 2017

The Brightleaf Amateur Radio Club will have its regular meeting at 7:30 PM Tuesday, July 11, at VFW Post 7032 on 1108 Mumford Road in Greenville. Charlie Strickland, WA4OSS, will have a program about the WRAL 2000 foot tower falling on December 10, 1989. He will have commentary and many pictures of the results. When Charlie retired, he was transmitter facility supervisor that included WRAL-TV, WRAL-FM, WRAZ-TV and the HDTV facility for WRAL and WRAZ.

All members, families and guests are invited to attend.



## BARC Board Meeting

The next board meeting will be Tuesday, July 25 at 7:30 PM at the Offices of Monday & Monday, (CPA), Suite D, East Victoria Court. All members invited.

**13 Colonies Special Event Returns July 1-7**

The ninth annual 13 Colonies Special Event will take place July 1-7, with activity starting at 1300 UTC on July 1 and continuing until 0400 on July 7 (the evening of July 6 in US time zones).

Participating stations try to contact all 13 Colony Stations plus two Bonus Stations — a clean sweep, a la ARRL November Sweepstakes.

Stations in each of the original 13 colonies will be on the air using 1 x 2 special event call signs.

The bonus stations will be WM3PEN in Philadelphia and GB13COL in Durham, England.

Call signs and their respective states are K2A, New York; K2B, Virginia; K2C, Rhode Island; K2D, Connecticut; K2E, Delaware; K2F, Maryland; K2G, Georgia; K2H, Massachusetts; K2I, New Jersey; K2J, North Carolina; K2K, New Hampshire; K2L,

South Carolina, and K2M, Pennsylvania. Additional information is on the 13 Colonies website.

Read more @ <http://bit.ly/2sN7QPY>

**Next VE Session**

Exams will be held on Tuesday, August 15, 2017 at VFW Post 7032 on 1108 Mumford Road in Greenville, NC. Exams will start promptly at 6:30 PM. For more info email Gary, KE5ACR 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 **July**.

- 07 K6BDH Bruce Hopfengardner
- 12 KG4CZW Bonnie Pulver
- 24 WA4MOK Bernie Nobles
- 29 W4YDY Dave Langley

*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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**Field Day**

Field Day Chairman Bernie Nobles, WA4MOK, had Field Day well organized and a good time was enjoyed by all attendees. At The Oakwood School, there were 3 stations in operation, mostly on 20 and 40 meters using SSB, CW and PSK31. Also there were some contacts on 6 meters. As of this writing, have not heard the final results.

There was good PR of the operation with Pat Williams, KG4N-SC, appearing on WITN-TV for a live segment at 6:25 AM on Thursday morning to promote Field Day coming up.

Then in the local newspaper, The Daily Reflector, there was a great article on the Monday morning front page with pictures that took up have the page and another half a page continued on page five. Links to the article are already on the ARRL web site.

In case you missed it, it's on the newspaper web site at <http://www.reflector.com/News/2017/06/26/On-the-same-wavelength-Amateur-radio-bridges-the-gap.html>.

Had several visitors to the operation including former BARC members, Sherry, KE4LZE, and Jack Frye, KG4SAA, from Goldsboro. Also attending was Su-

san L. Jones, WA4AKB, the NC ARRL webmaster.

The club added another 100 points to the contest score since she is an ARRL official. Not sure how many visitors went to see the operation.

The highlight of the event was when the radios were shut down for the great meal at 6 PM on Saturday catered by Linda Nobles, Bernie's bride.

Everyone, including family members and a few visitors, enjoyed country style steak, mashed potatoes, corn, tea and a few more goodies to be topped off by banana pudding and apple crisp with ice cream!

The radios were returned to service after the operators waddled back to the equipment. I heard no complaints from anyone about the meal. Linda did an outstanding job as usual. Now we all know why Bernie looks BIGGER since he married her last year.

**Upcoming programs**

The July program will be by Charlie Strickland, WA4OSS from Knightdale. Charlie was the transmitter facility supervisor at WRAL-TV when he retired. His program will be about the disaster the befell the station when the 2000 foot tower was brought down by ice in 1989. He has many pictures of the damage and what was done to recover.

The WPTF 2000 foot tower fell shortly before the WRAL tower came down. For the story on

the WRAL.COM, go to <http://www.wral.com/inside-wral-the-day-the-broadcast-tower-fell/14249377/>.

Upcoming programs have not set yet but August may be by Tim Parkin from Batteries Plus Bulbs. A video may be shown for the September titled "The Story of Electricity". It's one the every Amateur Radio licensee should see, very interesting and educational.

W4YDY

**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**

## Region 1 Intruder Watch Reports the Usual Suspects

International Amateur Radio Union Region 1 Monitoring System (IARUMS) volunteers continue to document many of the same signals intruding on Amateur Radio bands — some of them audible in other parts of the world, according to the latest editions of the IARUMS Region 1 newsletter. IARUMS Region 1 Coordinator Wolf Hadel, DK2OM, reported last month that his own band monitoring activity has been hampered by interference from a neighbor's LED lamp, and that Germany's telecoms regulator was not helpful in resolving the situation, which Hadel says affects all bands from 80 through 10 meters. Nonetheless, he has worked around the local interference to document many of the same bad actors that show up in the IARUMS Region 1 newsletter month after month. IARU Region 1 includes Europe and Africa.

These usual suspects include a Russian Navy F1B RTTY signal on 14.180 MHz in Sevastopol in Crimea, "still active, not regarding official complaints."

### June 2017 BARC VE Session Results

On the June 20, 2017 BARC VE session, five candidates passed Amateur Radio exams.

James Copeland, **N4BYY**, Roanoke Rapids, NC, upgraded from Advanced to Amateur Extra. Daniel Gurnee, **KN4BKQ**, Greenville upgraded to General. Glenn Spain, Mesic, NC, **KN4EES**, upgraded to General. He passed the Technician exam 3 days earlier in New Bern and received his call sign 2 days after he upgraded in Greenville. Brian Edmondson, **KN4EFZ**, Williamston, NC and Lucas Gomez, **KN4EGA**, Morehead City, NC passed the Technician exams. Also, Brian

Last fall IARUMS had reported that complaints were successful in silencing the intruder. Another Russian F1B RTTY signal had been showing up on 7.051 MHz, "mostly idling and every evening," Hadel reported in May. German telecoms regulators registered an official complaint, apparently successful in that instance. Hadel also reported "daily" transmissions of music on 7.050 MHz (LSB), possibly originating in Russia.

The "mysterious beacon 'D'" from Asian Russia has been reported on CW on 7.093.3 kHz, with spurious transmissions on 7.078.6, 7.117.9, and 7.157.2 MHz, as well as outside the band.

Broadcaster Radio Hargaysa in Somalia continued to be reported on 7.120 MHz (AM) daily. Hadel indicated that the signal is audible in Australia and Japan, as well as in Europe and Africa. On 7.175 MHz, Radio Eritrea continues to be jammed daily with white noise transmissions attributed to Radio Ethiopia. IARUMS reported jamming

joined the Brightleaf Amateur Radio Club. Welcome to the club Brian. The new call signs were posted by the FCC on June 26, 2017.

BARC congratulates all for their accomplishments.

The VE's that attended were VE Liaison Gary Coriell, **KK4GC** (16), Morris Lewis, **AK4MU**, (24), Al Mullis, **K4GOE**, (6), Gary Faust, **N4PIR**, (2) and Dave Langley, **W4YDY**, (124). (Note new call sign for Gary, ex-**KE5ACR**.)

The numbers after the VE list are the number of ARRL sessions attended by each including this session. Counts are at <http://www.arrl.org/ve-session-counts?state=NC>.

of Radio Taiwan on 7.200 MHz, apparently originating in China and audible "every evening" in Europe. The Chinese "fog-horn" over-the-horizon radar (OTH-R) continues to intrude on 20 meters, with signals on 14.211 MHz "jumping to 14.290 and 14.302 MHz." The Russian "Konteyner RLS" OTH-R remains a problem on 14.280 MHz

In late April, DK2OM monitored a Chinese wideband OTH-R on 15 meters between 21.280 and 21.458 MHz. "No woodpecker, as some hams believe," Hadel noted. Several OFDM transmissions originating in Moscow have been heard on 20 meters.

Brazilian "pirates" again have been observed on 21.000 MHz (USB). "They are abusing this [frequency] like a telephone between Rio and northern Brazil," Hadel reported in April.

Read more @ <http://bit.ly/2uKLMf2>

The next  
BARC VE  
session is  
scheduled for  
Aug 15, 2017

# Ham Ads

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**Send ads to:  
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## Ham Radio Aviator WB6RQN Reaches Approximate Half-Way Point of Round-the-World Flight

Texas radio amateur and pilot Brian Lloyd, WB6RQN, is right on schedule on his commemorative Amelia Earhart round-the-world flight. He reached Darwin, Australia, on July 1, in time to enjoy the local hospitality as well as some Territory Day celebration events, including a fireworks display. Greeting Lloyd upon his arrival in Australia was Stuie Birkin, VK8NSB, who had been in contact with Lloyd on 20 meters while he was still aloft.

“With Brian now part of the family, we headed to the Territory Day fireworks at East Point Darwin,” Birkin reported. For his part, Lloyd expressed gratitude for the hospitality following his 10-hour flight leg from Indonesia.

Lloyd will make a few more stops in Australia before departing Sydney on July 6 for New Zealand. He plans to drop a wreath of flowers when he passes above Howland Island, in memory of Amelia Earhart. Howland was where the famed aviator and author and her

navigator Fred Noonan vanished on July 2, 1937.

After leaving Darwin on July 2, Mike Alsop, VK8MA, was among those working Lloyd on 20 meters as he made the 5-hour flight to Central Australia’s Uluru (Ayers Rock). Upon reaching his destination, Lloyd reported getting some good photos of Ayers Rock before departing for Birdsville for lunch and a hop to Bundaberg.

After Sydney, Lloyd will head out across the Tasman Sea to Auckland, New Zealand, and then the Pacific for Suva, a fly-over of Howland Island — which has no runway — and to Hawaii. Before he took off from Miami on June 1, Lloyd had estimated that the circumnavigation would take 2 months to complete.

To give his 1979 Mooney 231 aircraft additional range, he modified it to carry 150 gallons more fuel. He also equipped it with modern navigation equipment, long-range radio, and satellite communication

gear. Since the flight involves some risk, special safety gear is part of his equipment ensemble.

He has been operating SSB on 17, 20, and 40 meters (18.117, 14.210, 14.346, and 7.130 MHz). — Thanks to Jim Linton, VK3PC

Read More @ <http://bit.ly/2tMUyHf>



**W8CDX Takes Field Day Back to its Roots**

Some younger radio amateurs may not realize that ARRL Field Day has been a staple operating event for more than 80 years. Former ARRL Communications Manager F. E. Handy, W1BDI, is credited with conceiving “International Field Day” in 1933, although it wasn’t until the following year that he described it as the “test of the emergency availability of portable stations and equipment” we know today. For Field Day 2017, the crew at W8CDX once again took Field Day equipment back to the 1930s — a time when the notion of “portable” applied only loosely to equipment of the era. Last year, W8CDX used a National HRO-5 receiver and a style of transmitter similar to something that could have been used at that first Field Day. This time, everything was home built.

“We had a lot of fun putting up another 1930s-style station for Field Day 2017,” said Eric Tichansky, NO3M, the trustee of W8CDX, the Karns City Amateur Radio Club station. The transmitter was based on an August 1934 QST article, “A Medium-Powered Phone-C.W. Transmitter with Pentode Power Tubes,” the receiver on a May 1934 QST article, “A De Luxe Crystal Type S.S. Receiver.” Tichansky has documented the receiver project from start to finish.

“This would have been a possible setup used in the third Field Day in 1935,” Tichansky told ARRL. “The entire station was 100% homebrew, including the power supplies, T/R switching, and link-coupled antenna tun-

er — inspired by a 1935 ARRL Handbook project.” Power supplies were based on standard designs from that era, using 866s in the amplifier supply and 83s in the buffer and oscillator supplies. The bias supply used an 80 rectifier and an 874 regulator of late 1920s vintage to supply the needed -90 V bias.

Tichansky said the T/R switch, which could be operated by foot switch, not only switched the antenna between receiver and transmitter but opened the keying line in receive, grounded the receiver input on transmit, lifted the grounded end of the receiver’s RF/IF gain pot, and put a 15 kW potentiometer in line to adjust the side tone level. The antenna was an 80-meter doublet fed with homebrew open-wire feed line.

Using the replicated vintage gear, W8CDX logged 305 contacts, about evenly split between 40 and 80 meters — up from 153 on 40 meters alone in 2016. The biggest issue on the air was chirp, “depending on how the stages in the rig were tuned.” Sometimes the receiver would decide on its own to change frequency. Tichansky gave the gear a trial run during the Breezeshooters Hamfest at the Butler Fairgrounds in Prospect, Pennsylvania, on June 4, making several contacts.

“We plan to keep this going as an annual event,” Tichansky told ARRL. “It’s really a lot of fun putting this antique-style gear on the air.”

Read more @ <http://bit.ly/2tRBsRi>

**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 CALENDAR OF EVENTS

July 8/9.....IARU HF World Championship	Oct 28/29.....CQ WW SSB DX Contest
July 11..... Regular Meeting	Oct 31 ..... Board Meeting
July 15 .....HAMFEST Cary	Nov 4/5 .....ARRL CW Sweepstakes
July 22 .....SOS Show Off Shack #	Nov 14 ..... Regular Meeting
July 25 ..... Board Meeting	Nov 18/19 .....ARRL SSB Sweepstakes
August 8..... Regular Meeting	Nov 19 ?..... Benson Hamfest
August 12 .....SOS Show Off Shack #5	Nov 25/26 .....CQ WW CW DX Contest
August 15 .....BARC VE Session	Nov 28..... Board Meeting
August 29..... Board Meeting	Dec 2/3 .....ARRL 160 Meter Contest
Sept 1/2/3 ..... Shelby Hamfest	Dec 9/10 .....ARRL 10 Meter Contest
Sept 12..... Regular Meeting	Dec 12 ..... BARC Christmas Party
Sept 23/24 ..... CQ WW RTTY DX Contest	Dec 19 .....BARC VE Session
Sept 6 ..... Board Meeting	Dec 26 ..... Board Meeting
Oct 10..... Regular Meeting	Jan 1..... BARC Dues DUE
Oct 17 .....BARC VE Session	

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

BARC 2 METER NET - MONDAY NIGHTS AT 8:00 PM - 147.09 W4GDF REPEATER - 131.8 Tone  
BRIGHTLEAF AMATEUR RADIO CLUB STATIONS  
**W 1 V O A - W 4 A M C - W 4 U H S**



**Next Meeting**  
**JULY 2017**  
**July 11, 2017**

To:



**Ham Chatter**  
Brightleaf Amateur Radio Club  
PO Box 8387  
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