

HAM CHATTER



Volume 51 Issue 10

An Official BARC, W4AMC, Publication

October 2017

Editor, Joe Jeansonne, WB4JOE

Email: hamchatter@w4amc.com

World Maker Faire Visitors Urged to Build, Make, Create, Communicate

Ham radio exhibitors at the 2017 World Maker Faire in New York City over the September 23 – 24 weekend urged visitors to “build, make, create, communicate.” Three Amateur Radio clubs took part in the event, held at the New York Hall of Science in Corona, Queens. World Maker Faire drew upward of 90,000 visitors in 2016.

An exhibit hosted by grade 6 to 12 students from the [Garden School Amateur Radio Club](#) (K2GSG) in Jackson Heights was aimed at introducing ham radio to those who stopped by. They also demonstrated electronics experiments, kit construction, and soldering skills. Projects included a Morse code practice oscillator and an LED candle.

The Garden School ARC students are mentored by the Hall of Science Amateur Radio Club (WB-2JSM/WB2ZZO), which co-exhibited at the World Maker Faire. Both are ARRL-affiliated clubs.

“The Garden School students, led by their club advisor, science teacher John Hale, KD2LPM, did a great job engaging the public through kit building,” said ARRL Marketing Manager Bob Inderbitzen, NQ1R, who was part of the

ARRL contingent to the event. “They helped demonstrate the educational benefits of having students engaged in the STEM [science, technology, engineering, math] disciplines. Garden School ARC was recognized with an Editor’s Choice Blue Ribbon. Congratulations!”

Inderbitzen said the Hall of Science ARC worked hard to get people on the air. Their “Get On the Air” (GOTA) station paired attendees with experienced station operators to make VHF and shortwave radio contacts throughout the Faire. Club trustee Steve Greenbaum, WB2KDG, helped to organize the joint exhibit with Garden School.

A third group, [HamHacks](#) — made up of high school and college students who enjoy hacking for ham radio — also put in an appearance at the Maker Faire. Their projects include what they describe as “unconventional and cheap Amateur Radio hacks in Doppler radar, satellite photography, airplane

Read More @ <http://bit.ly/2xNBr2i>

Next Meeting October 10, 2017

The Brightleaf Amateur Radio Club will have its regular meeting at 7:30 PM Tuesday, October 10, at VFW Post 7032 on 1108 Mumford Road in Greenville. The program: A video about the technology of Apollo 11. Very interesting facts. The video is very informative about some of the technical problems they overcame.

All members, families and guests are invited to attend.



BARC Board Meeting

The next board meeting will be Tuesday, Oct 31 at 7:30 PM at the Offices of Monday & Monday, (CPA), Suite D, East Victoria Court. All members invited.

IARU President: Traditional Aspects of Ham Radio May Not Be Attractive to Newcomers

The 24th General Conference of International Amateur Radio Union Region 1 (IARU-R1) convened September 17 – 23 in Landshut, Germany, with representatives of 40 member-societies present and another 13 represented by proxy. IARU President Tim Ellam, VE6SH/G4HUA, welcomed the attendees, urging them to reflect upon what will attract the majority of young people into Amateur Radio, “and what our mutual expectations should be.” Ellam said his personal observation is that, while some younger people are interested in the more traditional aspects of Amateur Radio, many are only interested in ham radio as an adjunct to other possibly unrelated interests.

“I applaud the excellent work that has been undertaken in this region through the Young-

sters on the Air (YOTA) program.” Tim said, crediting the hard work of IARU Region 1 Youth Working Group Chair Lisa Leenders, PA2LS. YOTA’s summer Amateur Radio camps have attracted young hams from around the world; this year’s was held in the UK.

“Our ambition should be to embrace these individuals in their activities and accept that some of the more traditional aspects of the hobby will hold little interest to them, and indeed may no longer be relevant,” he continued. “That is not to say that some are not enthused with what we all hold as the core of our hobby, such as contesting or operating generally. I fear, though, that we need to look at what will attract the new generations to Amateur Radio and make sure we promote Amateur Radio as meeting their needs, rather than promoting the historical view of what Amateur Radio has to offer.”

Read More @ <http://bit.ly/2yli2Xk>

Well Wishes

Thoughts and Prayers go out to the following:

Please inform Joe Jeansonne, KB4JOE, of any changes.

Next VE Session

Exams will be held on Tuesday, October 17, 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, 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..

World Maker Faire Visitors Urged to Build, Make, Create, Communicate 1

IARU President: Traditional Aspects of Ham Radio May Not Be Attractive to Newcomers 2

Radio Amateurs Volunteer to Support 2017 US Air Force Marathon4 August 2017 BARC VE Session Results..... 4

JOTA 2017 Organizers Urge Scout Stations to Register Now..... 6

FCC Opens 630- and 2200-Meter Bands; Stations Must Notify UTC Before Operating..... 7

BARC CALENDAR OF EVENTS..... 8



Happy Birthday

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

- 19 KO4COL Donald Bradshaw
- 28 K4BMH Byron Highland
- 31 K4ZYD Terry Monday

Additions or corrections to KB4JOE

PUBLISHED MONTHLY BY THE BRIGHTLEAF ARC, P. O. BOX 8387, GREENVILLE, NC 27835 * NON COPYRIGHT MATERIAL CONTAINED HEREIN MAY BE REPRINTED WITHOUT PRIOR PERMISSION WITH CREDIT GIVEN TO THIS PUBLICATION * PRESIDENT - JEFF MEYER, K4DKW *FIRST V. PRESIDENT - DAVE WOOD, W4EJ * SECOND V. PRESIDENT - DAVE LANGLEY, W4YDY * SECRETARY ALBERT SANCHEZ, WA7FXB * TREASURER—TERRY MONDAY, K4ZYD * BOARD MEMBER - PAT WILLIAMS, KG4NSC * BOARD MEMBER - BYRON HIGHLAND, K4BMH * VE LIAISON, GARY CORIELL, KK4GC *PUBLIC RELATIONS &PUBLIC SERVICE COORDINATOR PAT WILLIAMS, KG4NSC * W4AMC/W1VOA/W4UHS TRUSTEE, TOM PARSONS, W4TEP * HAM CHATTER EDITOR - JOE JEANSONNE, WB4JOE * WEB SITE EDITOR - MIKE MONTEITH, KM4OLT * EMAIL ADDRESSES ON BARC WEB SITE * OPINIONS BY WRITERS MAY NOT NECESSARILY BE THAT OF THE BRIGHTLEAF ARC. * CONTRIBUTIONS ARE TAX DEDUCTABLE. * BOARD MEMBERS IN BOLD



Puerto Rico communications in trouble

Amateur Radio emergency groups have been very busy in September due to 3 very bad hurricanes. In the last week of September, the ARRL reports that “Amateur Radio has begun to fill a huge telecommunications gap” in Puerto Rico. 96% of the cell service is out. Check out <http://www.arrl.org/news/amateur-radio-volunteers-aiding-storm-ravaged-puerto-rico-us-virgin-islands> for more details. When the Red Cross asked the ARRL for help in recruiting 50 experienced Amateur Radio operators to go to Puerto Rico for 3 weeks to help with the communications problem, there were over 200 volunteers in the first hours. The ARRL is helping to supply the equipment.

It was announced via the ARRL web site on September 29 that the Salvation Army needs Amateur Radio operators that can supply their own equipment for possible Caribbean deployment for at least 2 weeks. For the story, check out <http://www.arrl.org/news/salvation-army-seeks-amateur-radio-operators-for-possible-caribbean-deployment>.

Puerto Rico 300 meter telescope damaged

The Arecibo Observatory was

damaged to a great extent. The hurricane destroyed a key instrument. A 10,000-pound key piece to the Observatory fell and hit the 1,000-foot dish. The dish was punctured in several places. The antenna was connected to the 2.5 million W 430-MHz radar transmitter that was a key to ionospheric experiments. The National Geographic has a very good article about the damage at <http://news.nationalgeographic.com/2017/09/arecibo-radio-telescope-damaged-puerto-rico-hurricane-maria-science/>. Also the ARRL has a story at <http://www.arrl.org/news/amateur-radio-reports-arecibo-observatory-dish-sustained-serious-damage-from-maria>. The coordinates are 18°20’39”N 66°45’10”W and 18°20’39”N 66°45’10”W. You can see it good on Google Earth Pro or Google maps.



New FCC band chart

The ARRL has revised the ARRL Frequency Chart to new bands at 2,200 and 630 meters. I don’t think I will get on those bands. A half wave dipole for the 2,200 meter band would be 3420 feet long. That’s a little over 0.6 of a mile. My yard is not the big!!! I don’t think the two new bands will be very crowded.

You can get the chart at

<http://www.arrl.org/graphical-frequency-allocations>.

October meeting program

I think that everyone will enjoy the video to be shown at the next meeting. It’s about some of the technical problems that were overcome all during the development and flight of Apollo 11. The video actually covers from the Mercury program to Apollo 17, the last flight to the moon.

I was honored to congratulate and shake the hands of the Apollo 17 crew, Commander Eugene A. Cernan, Command Module Pilot Ronald E. Evans and Lunar Module Pilot Harrison P. Schmitt, when they visited Raleigh in March 1973. They were at the North Hills Shopping Center about 2 blocks from our home. The gal that later became WA4AKB was and still is a space explorer fan, She had her mother and I take her out of her elementary school class to go over to see the astronauts. She managed to get to the foot of the steps and meet them when they came off the stage. I met them a couple of minutes later. - W4YDY

Radio Amateurs Volunteer to Support 2017 US Air Force Marathon

When about 15,000 runners left the starting line at the [US Air Force Marathon](#), Half Marathon, and 10K races, more than 65 Amateur Radio volunteers were on hand in the Dayton, Ohio, area on September 16 to help ensure their safety. The event starts and ends at the Air Force Museum, and the course runs through Wright Patterson Air Force Base ([WPAFB](#)) and the streets of Fairborn. Net control stations located at the start/finish line near the Air Force Museum directed a medical net on 70 centimeters and a logistics net on 2 meters. Hams also provided communication at the eight medical and 25 hydration stations positioned throughout the courses.

USAF Marathon Race Director Robert Aguiar said race officials consider the Amateur Radio volunteers a vital resource and have come to rely on their professionalism and communication skills. He said it would be extremely difficult, if not impossible, to have the race without Amateur Radio-provided emergency, logistic, and medical communica-



tions among the race director, his staff, the Wright-Patterson Air Force Base (WPAFB) incident commander, and the hydration and medical stations.

USAF Marathon Amateur Radio Lead Volunteer David Crawford, KF4KWW, thanked all the Amateur Radio volunteers, some of whom have been turning out for the event for many years.

“Their support helped ensure another USAF Marathon that occurred safely and met the runner’s needs,” he said. While most

of his volunteers were from the greater Dayton area, some came from as far away as Michigan and Wisconsin. In addition to providing communication to aid stations, Amateur Radio operators also served as “tail-end Charlies” for the marathon and half marathon. Each had an APRS transmitter, as did lead vehicles and selected runners, allowing race officials and emergency services to have a more accurate picture of how the race was progressing.

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

August 2017 BARC VE Session Results

On the August 15, 2017 BARC VE session, one candidate passed the Technician Amateur Radio exam.

Donald Bradshaw, Winterville, NC, passed the Technician exam. The FCC granted Donald his new call sign, **KN4FKM**, on August 21, 2017, the solar eclipse day! Congratulations Donald.

The VE’s that attended were VE Liaison Gary Coriell, **KK4GC** (16), Morris Lewis, **AK4MU**, (24), Dan Wallace, **K4HMW**, (30) and Dave

Langley, **W4YDY**, (124). (Note new call sign for Gary, **KK4GC**, formerly **KE5ACR**.)

The numbers after the VE list are the number of ARRL sessions attended by each; not including this session. Counts are at <http://www.arrl.org/ve-session-counts?state=NC>.

The next regular BARC VE session is scheduled for October 17, 2017. - W4YDY

The next
BARC VE
session is
scheduled for
Oct 17, 2017

Ham Ads

Monday & Monday, CPA's, PA

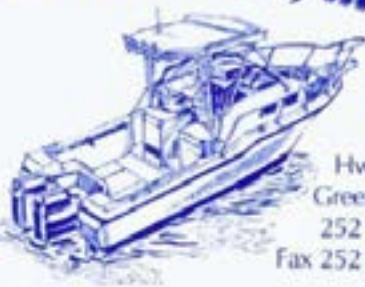
Certified Public Accountants

TERRY A. MONDAY, CPA, CVA, EA
K4ZYD

105-D East Victoria Ct.
Greenville, NC 27858

Phone (252) 321-6007
Fax (252) 321-2991

MARK'S MARINE, INC.



Mark Langley
Mike Langley
KD4MTT

Hwy. 33 East
Greenville, NC
252 758-3309
Fax 252 758-1396

H&R BLOCK

Pat Williams, KG4NSC
Senior Tax Advisor 5

Buyers Market
2400 S Memorial Dr
Greenville, NC 27834
Tel 252.756.1209 Fax 252.756.6378
patrick.williams@tax.hrblock.com
www.hrblock.com

K4KBB

J & P Machine Works, Inc.



4291 US 264 East
Greenville, NC 27834
252-758-1719 Fax 758-9031

Manufacturer of Swiss Screw Machine Products.
Pins, Shafts, Rods and Spacers.

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

- Huge selection of Duracell® Ultra Batteries & Bulbs
- FREE & quick installs on car/truck batteries* Smartphone, tablet, & iPod® repairs
- **FREE** battery test & systems check
- Battery & light bulb recycling
- **FREE** laptop battery testing
- Business accounts welcome

*with purchase of car/light truck battery on most vehicles at participating locations

Batteries + Bulbs

740 Greenville Blvd. SE, Suite 500-A
Greenville, NC
252.353.8143

Store Hours Mon-Fri 9-6, Sat 9-7, Sun 11-6 info@batteriesplus.net

www.batteriesplus.com

JOTA 2017 Organizers Urge Scout Stations to Register Now

Scouting's Jamboree on the Air/Jamboree on the Internet (JOTA/JOTI) event takes place over the October 20 – 22 weekend, and organizers are urging Scout stations planning to participate to [register](#) now. The world JOTA-JOTI Team has activated its online sign-up system. This year's event will be the 60th Jamboree on the Air.

“Our number one message at this time is to register their station and get ready for [JOTA](#),” JOTA Coordinator Jim Wilson, K5ND, told ARRL. “It's time for Scout groups to bring together their open action items — ordering patches, printing handouts, gathering equipment, reminding staff members, verifying location, and getting the word out to the Scouts to be prepared for a fabulous experience talking with other Scouts across the country and hopefully around the world.”

JOTA is the world's largest Scouting event, held annually over the third full weekend in October, and Scouts of any age can participate — from Cub Scouts to Boy Scouts and Venturers, male and female. During JOTA, Amateur Radio links Scouts with other Scouts and hams, locally and worldwide. Since the first JOTA in 1958, millions of Scouts have met each other through this event to exchange ideas and share experiences via ham radio. Many contacts made during JOTA have resulted in enduring friendships and connections.

According to the World Scout Bureau, the 2016 JOTA had nearly 1.3 million Scout participants from more than 30,000 locations, and reached 156 countries.

The World JOTA-JOTI Team has published a [Participant's Guide](#) to help Scouts to get on

the air and the Internet for the largest Scouting event in the world. They've also published a brief history of the [60 years of Jamboree on the Air](#) as well as the [Top 10 Challenges and Activities in 2016](#) that might provide ideas for your event this year. An [on-line scheduling tool](#) is available too.

For participating via EchoLink, two conference nodes now have been designated for Scout contacts — *JOTA-365* (node 480809) and *JAMBO* (node 832996). Visit the K2BSA Radio Scouting page for [more information](#) on frequencies, including D-STAR, DMR, and IRLP.

via ARRL (<http://bit.ly/2yUNqJ2>)



FCC Opens 630- and 2200-Meter Bands; Stations Must Notify UTC Before Operating

The FCC has announced that the Office of Management and Budget has approved, for 3 years, the information-collection requirement of the Commission’s March 29 Report and Order (R&O) that spelled out Amateur Radio service rules for the two new bands — 630 meters and 2200 meters. Notice of the action appears in today’s edition of the Federal Register. Before using either band, stations must notify the Utilities Technology Council (UTC), formerly the Utilities Telecom Council, that they plan to do so, and if UTC does not respond within 30 days, they may commence operation.

Last March 27, the FCC adopted the 2012 World Radiocommunication Conference (WRC-12) implementation Report and Order (ET Docket 15-99), amending its Amateur Radio rules to — in the FCC’s words — “provide for frequency-sharing requirements in the 135.7-137.8 kHz (2200-meter) and 472-479 kHz (630-meter) bands.”

Section 97.313(g)(2) of those rules requires that, prior to starting operation in either band, radio amateurs must notify UTC that they intend operate by submitting their call signs, intended band(s) of operation, and the coordinates of their antenna’s fixed location. The new rules do not permit any mobile operation.

“Amateur stations will be permitted to commence operations after a 30-day period, unless

UTC notifies the station that its fixed location is located within 1 kilometer of Power Line Carrier (PLC) systems operating on the same or overlapping frequencies,” the FCC said. PLC systems are unlicensed. “This notification process will ensure that amateur stations seeking to operate [on 630 or 2200 meters] are located beyond a minimum separation distance from PLC transmission lines, which will help ensure the compatibility and coexistence of amateur and PLC operations, and promote shared use of the bands.”

The FCC announced that it is making effective immediately the Part 97 rule amendments, § 97.3, 97.15(c), 97.301(b) through (d), 97.303(g), 97.305(c), and 97.313(k) and (l), which do not require OMB approval

Click [HERE](#) to access the UTC notification website.

via ARRL (<http://bit.ly/2xcNS8u>)

**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

Oct 10 Regular Meeting	Nov 25/26CQ WW CW DX Contest
Oct 17BARC VE Session	Nov 28..... Board Meeting
Oct 28/29..... CQ WW SSB DX Contest	
Oct 31 Board Meeting	December
Nov 4/5 ARRL CW Sweepstakes	Dec 2/3 ARRL 160 Meter Contest
Nov 14 Regular Meeting	Dec 9/10 ARRL 10 Meter Contest
Nov 18/19 ARRL SSB Sweepstakes	Dec 12 BARC Christmas Party
Nov 19 ?..... Benson Hamfest	Dec 19BARC VE Session
	Dec 26 Board Meeting
	Jan 1 BARC Dues DUE

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



October 2017
Next Meeting
Oct 10, 2017

To:



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