

HAM CHEATER



Amateur Radio
"only fail-safe system"
of communication
K4ZDH



Volume 46 Issue 12

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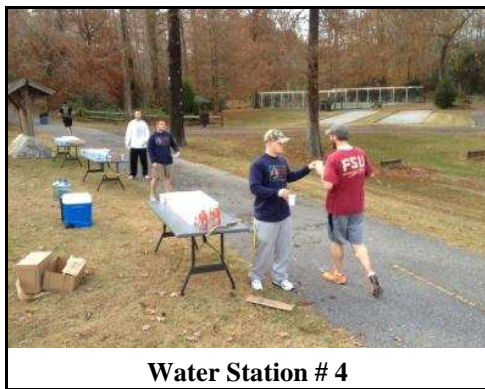
December 2012

Editor, Dave Langley, W4YDY

Email: barc@w4amc.com

BARC helps with "Reindeer Dash for Cash"

The "Reindeer Dash for Cash" was a success with over 800 runners participating in the 5K and 10 mile races. Funds raised go to scholarships for deserving individuals to be able to go to college. An intrepid group of Hams did their part to help coordinate the event lead by Josh, **KB3VKH**, who served as net control and liaison with the other services such as the National Guard, Red Cross and Police. Other volunteers included John, **K4KBB**, at water station 1, Byron, **K4BMH**, at water station 2, JJ, **KK4IUB**, managed water station 3, Peter, **KG4WEZ**, stood ground at water station 4, Richard, **W4JNC**, manned water station 5. Mike, **KD4MTT**, drove the SAC vehicle and three MERT (Medical Emergency Response Team) motorbikes joined the force: Bill, **KJ4WNS**, Hyman, **KI4ZXW**, and Jay Oswald (who is working on his ham ticket). There were at least three medical emergencies handled by the team. Coordinating refreshments and where the runners were located was the main business of the net. Great day to be out side as it was sunny and relatively warm. A good time was had by all.



Water Station # 4

Observations of the writer: it was interesting to note that all the other organizations had identifying caps, jackets, T-shirts and tents that instantly identified the organization that they represented. I asked the ten people at my water station if they knew what Amateur Radio was and none of them had a clue! I went on to explain it and they were amazed. I also talked to one of the team members of the emergency medical team who would like to get his ham ticket but had no idea where to get help or take the test. It is my impression that if we do not

want this hobby to die a slow and painful death, we need to do a better job of getting the word out. We can have the club buy 12 inexpensive reflective jackets with "Amateur Radio Communications" in bold print on the back and a Velcro area on the front to place a call sign patch that can be exchanged as needed depending who volunteered on a supported event. We need to get T-shirts and caps that are the same and easily identifiable as a member of our group. We need a popup tent with the same bold print "Amateur Radio Communications" on all sides to also cover the equipment from rain and to be the net control station. We could review our web page and have a section for newbie and wannabe people to guide them on how to get the ticket and get involved. We need to bring the Emergency Communications Trailer out to these events even though we do not really need it just as a visual statement that we are here and ready to go in the most dire of situations. These things are simple and not as expensive as a new radio but would improve the bottom line on the club. Just my 2 cents after seeing what is happening out there. I really like this hobby and do not want it to go away as we do need someone on the other radio to talk to! 73, Peter, **KG4WEZ**.

Next Meeting

December 11, 2012

The Brightleaf Amateur Radio Club will have its annual Christmas Party on Tuesday, December 11 with a covered dish meal being served at 7:00 PM at VFW Post Home 7032 on 1108 Mumford Road in Greenville. Please bring a covered dish for the meal. The club will furnish beverages.

Peer awards will be presented and 2013 club officers will be installed.

All members, families and guests are invited to attend.

The next board meeting will be December 26 (Wednesday) at 7:30 PM at VFW Post Home 7032 on 1108 Mumford Road in Greenville. All members invited.

2013 Board members elected

The slate of board nominees were elected by acclamation at the November 13 club meeting.

They are as follows: President - Richard Campbell, **W4JNC**; First Vice President - John McCoy, **K4KBB**; Second Vice President - Terry Monday, **K4ZYD**; Secretary - Ted Bertrand, **KI4PWX**; Treasurer - Gerry Clayton, **K4IDD**; Board Member - Thomas Styron, **KB7L**, and Board Member - Byron Highland, **K4BMH**. Welcome to two new board members, Gerry Clayton, **K4IDD**, Treasurer and Byron Highland, **K4BMH**, Board member. Congratulations to all.

To previous board members not returning, thanks for their service to the club. They are two year Secretary Brenda Bertrand, **KJ4GDS**, and Board Member Mike Langley, **KD4MTT**. Also thanks to Ted Bertrand, **KI4PWX**, for his service as Treasurer for the past 2 years.

KC3X completes 2 awards in November



BARC Member, Hollis Thigpen, **KC3X**, recently completed two Mobile Amateur Radio Awards Club (MARAC) awards. On November 25, he finished working all 3077 counties in the United States for the second time using only CW. He received USA - CW II Award # 30.

On November 28, he completed working all 3077 counties for the 8th time. For that one, he received award # 12. Hollis is in a pretty exclusive group! The first 8th time award was achieved over sixteen years ago. Hollis finished working all counties the first time in 1987 receiving # 538. Congratulations for your accomplishments Hollis.

Education Director: Murray Merner, K4MHM



RARS's gain is BARC's loss! Murray Merner, **K4MHM**, moved from Greenville to Raleigh last year and has taken up his club activities in the Raleigh Amateur Radio Society. He was elected to the RARS Board as Education Director. He has already got the club to place license manuals in the Raleigh libraries. Murray said he enjoys living in Raleigh even with all the traffic!

Murray was very active in BARC. He lead several license classes, was Field Day Chairman several times, was BARC President and held several other offices. During most of those times, he was Associate Editor of *Ham Chatter* and wrote many articles including most of the *Meet the Member* columns.

Next VE Session

The next Brightleaf Amateur Radio Club VE session will be held **Tuesday, December 18** at the VFW Post Home 7032 on 1108 Mumford Road and will start promptly at 6:30 PM. Ted Bertrand, **KI4PWX**, Ph: 252-756-3734. Email: bertrandf@ecu.edu. 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.

NC ARES Internet

<http://www.ncarrl.org/ares/>
Pitt County ARES
<http://www.pittares.com/>



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Happy Birthday

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

- | | | |
|----|--------|----------------|
| 2 | W4ZRA | Rick LaMonica |
| 11 | KG4CCS | Tod LeMoine |
| 13 | KC4RBE | June Highland |
| 24 | KK4HHY | Ervin Davis |
| 31 | W4DXJ | Vashti Forrest |

Please let me know of any additions or corrections. - W4YDY

Well Wishes

Thoughts and Prayers go out to the following:

Charlie Wells, K4SKI

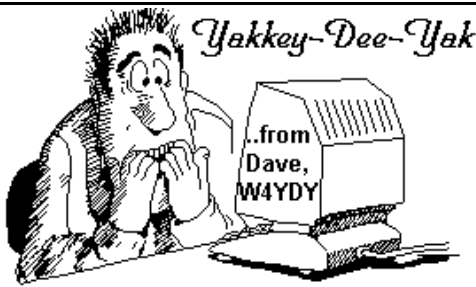
Tom Parsons, W4TEP

Phyllis Nobles, wife of Bernie, WA4MOK



Please inform John McCoy, K4KBB, [k4kbb @ earthlink.net](mailto:k4kbb@earthlink.net) of any changes.

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How WITN-TV went on the air in 1955 by W4YDY

This is a true story of some of the trials and tribulations of the 1955 beginning of WITN, Channel 7, Washington, NC. At the time, the only station in Eastern North Carolina was WNCT-TV. Most of the story is on the WITN history page at <http://www.witn.com/station/misc/27442154.html>. There are some additions about Amateur Radio to the story in Ham Chatter. The first chapter was in the September 2012 issue. The last chapters are in this issue. - W4YDY

Chapter 5

The next day, we went on the air about 11 AM with the audio and video from NBC turned down until 11:30. About 11:29, I turned the mike on and from our "bedroom studio", Carl Caudill signed on and made the same announcements as the first day. After World Series game two, Carl signed off and announced that we would return to the air at 6 PM with news and entertainment and the NBC Thursday night lineup. Still not a good picture from Chocowinity but it was getting better. Just before 6 PM, we had the transmitter back on the air with a slightly snowy test pattern from the studio.

About the middle of the day on Thursday, FCC Inspector Bennett from the Norfolk office arrived at the site unannounced. He had "heard" that we might not be in compliance with FCC regulations and he wanted to inspect the facility. He was there while we had the second World Series game on the air and he took a lot of notes walking all around the facility. Everyone was worried that he would tell us to shut down and we would not be able to carry the World Series. There was still a station ready to carry it if we couldn't. Af-

ter the inspection, he wrote out ten citations that included no frequency monitor, no audio level monitor, no test oscilloscope, only a volt-ohmmeter for test equipment, no permission to run low power on the aural transmitter, inadequate spare tube supply and parts and other problems. The monitors did not arrive at the site until about a week later. It was on back order. Mr. Bennett said we could stay on the air but we had to fix and reply to every citation. He did not remember me, but he gave me the Morse code test and exams for my first Amateur Radio license, W4YDY, three years earlier in Norfolk when I was still in high school. He was a very nice man. I think he took in consideration that we had many problems due to the Hurricane a week earlier.

At 6 PM on Thursday, the first local program and local video started with the 15 minute news block followed by the "Camel News Caravan" a 15-minute newscast hosted on-camera by John Cameron



Transmitter control room. Transmitter is on left and the equipment racks on the far wall. Behind the transmitter were big fans for cooling the transmitter. Very noisy and hot!

Swayze. Later during the NBC evening lineup, the signal from the studio got weaker and weaker. By 10 PM, it was gone. I informed the studio that I was not getting a signal and they told me to make announcements on the NBC station breaks and sign off after the NBC shows finished at 11 PM. I hooked up the microphone at the transmitter console, wrote a very short script and made the station breaks announcing there were technical difficulties. I signed off at 11 PM and announced that we would be back on Friday at 11:30 AM for World Series game three.

When we went back on the air on Friday, the microwave was better but still some noise. For the next week, the microwave would fade out so it was not usable after about 10 PM. So Max Jordan or I just made the announcements and signed off at 11 PM. A new microwave system was installed and that fixed the problem after the first two weeks on the air. A Motorola one watt microwave operating at about 7000 MHz replaced the GE 10 watt unit operating at 2000 MHz. We rarely had trouble with the Motorola unit.

So when WITN signed on, the first 1½ days only had NBC network pictures and all local audio originated from the transmitter site by Carl Cardill with a black screen. It was 6 PM on September 29, 1955 that the first local program came from the studio in Chocowinity. The studio was not flooded, only the transmitter site. The problem with local programming was the faulty microwave system between the Chocowinity studio and Grifton transmitter.

After the World Series and getting a good picture from the studio, we would sign on at 2 PM with some NBC programming. That included the Howdy Doody Show, the first TV series to be aired in color starting in 1955. It was the first NBC series to air five days per week and first children's series to be broadcast nationwide. Max Jordan and I would work the shift work and Supervisor Ed Piligard would fill in when we needed vacation time. Max and I would normally get off duty after the local news and signoff at 11:15.

One night a week, each had to stay over until 4 AM, Max on Tuesday night and Thursday night was my turn, doing maintenance on the equipment that included checking tubes when we could borrow the tube checker from the studio. The station had only one oscilloscope that was kept at the studio. We borrowed it from time to time and to help out, Ed brought his Heathkit oscilloscope from home at other times. We also had to clean the equipment cabinets inside and out, mop the floors and clean the bathroom! Ed would come in for a few hours sometime to help

(Continued on page 4)

How WITN-TV went on the air in 1955 by W4YDY

(Continued from page 3)

with maintenance on the equipment when two persons were required. Sometimes field mice (we were in the middle of farm fields) would come in the building and get inside the transmitters. When they got on the 10,000 volts, it sounded like a 22 rifle going off and the transmitter would shut down. We would hit the button and it would come back on. After signoff, then one would have to go in the back of the cabinet and scrap the mouse or what was left of him off the walls! It looked like it was in hundreds of pieces.

The transmitter site was not air conditioned. During the summer it was very hot with the temperature in the nineties at the console. Since I was there by myself most of the time, I would put on my bathing suit and tried to stay cool with a big fan blowing nearby. We couldn't leave the console long because we had to switch between NBC and the studio and also monitor the equipment. Thank goodness that the bathroom had a shower. After signoff, I would take a shower before going home. It felt like a hot shower in the transmitter room.

Chapter 6

In early 1956, Mr. Roberson gave me permission to put a Amateur Radio station next to the control console. He signed the FCC application and I sent it in. I was assigned a second station call sign, K4IWJ. I set up a Hallicrafters SX-71 receiver and a Heathkit DX-100 150 watt AM transmitter right side of the console.

What to use for an antenna? I decided on one for 75 and 10 meters connected to the same transmission line. I made a dipole and fed it with 200 feet of RG58 coax. It was cheap and the loss was not too great for my purpose. Now how to get it up the tower.

I got an scrape piece of high voltage wire with a slick coating about 4 feet long. I tied it to one end of the 75 meter antenna and also tied a ball of string to the tower that was at 300 feet. The high volt-

age wire was looped around the guy wire and the ball of string was dropped to the ground. It unwound okay and did not tangle. I then climbed down the tower and tied off the other end of the dipole 120 feet lower. Back on the ground, the string was pulled and the dipole with the loop on the end slid easily down the guy wire. Then back up the tower to lower the other end to about 120 feet. Back on the ground, pulled on the string again and this time when it stopped, the dipole was parallel to the ground. I had a 75 meter antenna up 1/2 wavelength! When it came time to remove it, I climbed to the 120 foot level. When it was untied if from the tower, it slid down the guy wire.



From the tower anchor, you can just see the top of the transmitter building because it was in a hole. They flood when a hurricane comes! Notice the twin guy wires on the anchor.

With the antenna at 120 feet, I thought I would get out great with it. And it did work very well. But when I tried to talk to my friends in Eastern North Carolina on 75 meters, they reported that it had the signal strength of a mobile but they could hear me okay. When I talk to stations over 200 miles away, they said I was very strong. One report about 300 miles away in Western North Carolina said he

though I was transmitting from next door! He said I was very strong.

There was no problem on 75 meters but I couldn't use 10 meters when WITN was on the air because it caused faint wiggle lines on the TV signal going to the TV transmitter. I contacted a friend near New Bern and he said he could see the wiggle lines. Not good! I didn't want TVI all over Eastern Carolina! No 10 meters when we were on the air. Remember, back in those days, we were only on the air from about 2 PM until after the 11 PM news.

I was able to get on the ham radio and monitor the TV at the same time. Naturally if something came up that needed attention on the TV, the ham radio took a back seat. If for some reason I lost the 2-way radio and telephone, I would still have the ham radio for communications as long as we had electricity. Once that did happen. I contacted someone on 75 meters to relay a message to the studio that we had lost the telephone and I couldn't raise them on the 2-way radio. Found out that the problem was that their volume was turned down. The skip on 26 Mc was distracting them in the control room. I needed to stay in touch.

On December 6, 1956, I worked my last day at WITN. On December 7, 1956, I started working for WRAL-TV in Raleigh helping with the installation about a week before they went on the air.

On June 26, 2009, I watched the final sign-off of analog Channel 7 with the announcer giving the standard sign-off with the last part saying "This concludes operation of WITN analog Channel Seven. Good day and goodbye." Then music was played with color scenes of the United States. Channel Seven signed on with color scenes from Yankee Stadium. WITN is only on channel 32 digital now.

Still don't understand why WITN does not use channel 7 on the air as part of their ID or on their web site. All other stations use their original channel numbers because that is still the channel you select on your TV. - W4YDY

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, ATTN: Dave Langley** or email to: barc@w4amc.com (no spaces)

NOTE: Commercial rates on page 7.




Wanted: Rohn 25 tower, 6 ea 10 ft sections of tower (60 feet) in good condition. May consider other brands. Hollis Thigpen, KC3X, Phone 919-394-2627. Email: hdsoftail03@earthlink.net

For Sale: Kenwood TS-850 transceiver with: CW filters, mike, power cords, manual and original box: \$800.00. Kenwood SP-520 speaker: \$30.00. Kenwood MC-50 desk mike (with connector cable): \$60.00.

Murray, K4MHM: mmmm0320@gmail.com

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Mike Langley
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BARC Meeting Minutes - November 2012

BARC Meeting Minutes

Date: November 13, 2012

Call to Order: 7:38 pm

President Richard Campbell, **W4JNC**, opened the meeting.

There were 16 persons present as recorded in the sign in book.

Pledge of Allegiance: was recited by the club at large.

Visitors: Billy Elks, **KC4HHS**, Washington.

Minutes: The minutes from the October Board Meeting were approved as published in Ham Chatter.

Secretary's Report: Brenda Bertrand, **KJ4GDS**, had nothing to report.

Treasurer's Report: Ted Bertrand, **KI4PWX**, gave the report. Further information regarding the Treasurer's Report is available to members upon request.

Equipment: Ted Bertrand, **KI4PWX**, had nothing to report. A new equipment manager is needed. Please contact Richard Campbell, **W4JNC**, if you are willing to take on this important position.

VE: Ted Bertrand, **KI4PWX**, reported that the next VE session is scheduled for Tuesday, December 18 at 6.30 pm at the VFW Lodge. Further information can be found on the BARC website.

Health and Welfare: Our well wishes continue to be extended for the recovery of Phyllis, wife of Bernie Nobles, **WA4MOK**.

Ham Chatter: Dave Langley, **W4YDY**, had nothing to report.

Publicity: Taylor Millar, **W4WTM**, reported that club meetings and upcoming VE sessions are reported in Sunday editions of the Daily Reflector.

Pitt County ARES: Byron Highland, **K4BMH**, had nothing to report.

Public Service: Josh Steele, **KB3VKH**, reported that the December 2 is the Reindeer Dash for Cash. If you are interested in providing radio assistance for this event, please contact Josh.

Future Programs: Richard Campbell, **W4JNC**, had nothing to report.

Old Business: Nothing to report.

New Business: Ted Bertrand, **KI4PWX**, presented the BARC 2013 Officer Nominees, as follows: President - Richard Campbell, **W4JNC**; First Vice President - John McCoy, **K4KBB**; Second Vice President - Terry Monday, **K4ZYD**; Secretary - Ted Bertrand, **KI4PWX**; Treasurer - Gerry Clayton, **K4IDD**; Board Member - Thomas Styron, **KB7L**, and Board Member - Byron Highland, **K4BMH**. The slate of officers was approved as proposed.

BARC members voted on peer awards, which will be presented at the December Christmas party.

Ted Bertrand, **KI4PWX**, presented the 2013 budget for the club. Following discussion, the budget was approved as proposed.

Announcements: Nothing to report.

50/50 Drawing Winner: John McCoy, **K4KBB**

Program: A program about Digital Modes was presented by Peter Van Houten, **KG4WEZ**.

Adjournment: 9:05 pm

Respectfully submitted by

Brenda Bertrand, KJ4GDS

BARC Board Minutes - November 2012

BARC Board Meeting Minutes

Date: November 27, 2012

Call to Order: 7:31 pm

Members Present: Richard Campbell, **W4JNC**; Ted Bertrand, **KI4PWX**; Brenda Bertrand, **KJ4GDS**; Dave Langley, **W4YDY**; Taylor Millar, **W4WTM**; Thomas Styron, **KB7L**; Josh Steele, **KB3VKH**, Gerry Clayton, **K4IDD**.

Minutes: The Board Meeting minutes published in the November Ham Chatter were approved as published.

Secretary's Report: Brenda Bertrand, **KJ4GDS**, had nothing to report.

Treasurer's Report: Ted Bertrand, **KI4PWX**, gave the report. Further information regarding the Treasurer's Report is available to members upon request.

VE: Ted Bertrand, **KI4PWX**, reported that the next VE session is December 18 at the VFW Lodge at 6:30 pm.

Equipment: Ted Bertrand, **KI4PWX**, had nothing to report.

Health and Welfare: Dave Langley, **W4YDY**, reported that Well Wishes are as published in the Ham Chatter.

Ham Chatter: Dave Langley, **W4YDY**, initiated a discussion about the cost for advertisements listed in the Ham Chatter.

Publicity: Taylor Millar, **W4WTM**, reported that announcements for upcoming club meetings and VE sessions are posted

in the Daily Reflector.

Pitt County ARES: Richard Campbell, **W4JNC**, had nothing to report.

Future Programs: Richard Campbell, **W4JNC**, reported that the December program is the Christmas party. Please bring a covered dish. Family members are welcome. The dinner service will begin at 7 pm.

New Members: Ted Bertrand, **KI4PWX**, reported no new members were presented for approval.

Old Business: Richard Campbell, **W4JNC**, had nothing to report.

New Business: The group at large discussed having classes and other activities to meet the interests of club members. The Board also discussed setting 3 goals for the club at large for 2013.

Announcements: Richard Campbell, **W4JNC**, had nothing to report.

Adjournment: 8.38 pm

Respectfully submitted by

Brenda Bertrand, KJ4GDS

Three Hams Return to Earth from ISS

Shortly before 9 PM EST on Sunday, November 18 (0200 UTC Monday, November 19), a Soyuz spacecraft carrying Expedition 33 Commander Sunita Williams, KD5PLB, and Flight Engineers Yuri Malenchenko, RK3DUP, and Aki Hoshide, KE5DNI, landed in the steppes of Kazakhstan, returning them safely to Earth from the International Space Station (ISS) after 127 days in space.

Just before leaving the ISS, the trio bid farewell to their fellow crewmates -- NASA astronaut Kevin Ford, KF5GPP, and Russian cosmonauts Evgeny Tarelkin and Oleg Novitskiy -- and closed the hatches on Sunday at 2:15 PM EST. When the Soyuz undocked from the station's Rassvet module at 5:26 PM, it marked the end of Expedition 33 and the beginning of Expedition 34 under the command of Ford.

Williams has spent a total of 322 days in space during her two long-duration missions. She previously served aboard the station as an Expedition 14/15 flight engineer from December 9, 2006-June 22, 2007. She has completed almost 51 hours of spacewalking time over seven spacewalks, including the three she conducted during expeditions 32 and 33.



NASA astronaut Sunita Williams, KD5PLB (back left), along with Russian cosmonaut Yuri Malenchenko, RK3DUP (front left) and Japan Aerospace Exploration Agency astronaut Akihiko Hoshide, KE5DNI (back, second from left), returned to Earth from the ISS on November 18.

While aboard the ISS, Williams, Malenchenko and Hoshide completed 39 contacts with schools via the Amateur Radio on the International Space Station (ARISS) project. According to NASA ISS Ham Radio Project Engineer Kenneth Ransom, N5VHO, this ties with Expedition 15 for the fourth highest number of contacts. In 2011, Expedition 26 -- led by Scott Kelly -- set the record for having the most ARISS contacts at 73.

Of the 39 school contacts made by Expedition 33, 14 were via telebridge, while 25 took

place directly between the school and the ISS via Amateur Radio. A telebridge contact uses an ARISS Amateur Radio ground station and establishes the radio link with the ISS; voice communications between the students and the astronauts are then patched over regular telephone lines. Williams completed 22 contacts with the US, Australia, Germany, Canada, Turkey, Malaysia, Luxembourg, Italy, Spain, Switzerland and India. "In India, we can't have a direct ISS-to-school contact," Ransom explained. "We have to use telebridge because you cannot become a licensed radio amateur in that country before the age of 18. That means the school children can't legally talk on the radio, so we use a telebridge station so they can participate in the contact."

Malenchenko made two contacts, one with the Ukraine and another with Russia, while Hoshide completed 15, including four with his native Japan, as well as with the US, Germany, Australia, Poland and Italy.

"Though the Expedition 32/33 crew's time was short on the ISS, they made the most of it for ARISS," Ransom told the ARRL. "Sunita added 22 to her previous total of 33 events, which puts her on top for the most career schools talked to from orbit. Aki also made a great run supporting 15 events, which is an ideal number for a single crew member. We always see good numbers and great events when Sunita Williams is on orbit. She is very education-oriented and has a great way with the kids." - *via arrl.com*

Commercial Ad Rates

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Send ads to: **Ham Chatter,**
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ATTN: Dave Langley, W4YDY or
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NETS

VHF

- ◆ BARC Net, Mondays, 2000 on 147.09 MHz, W4GDF Repeater.
- ◆ Pitt County Emergency Communications Net, Mondays, 2030 on 147.09 MHz. (131.8 Hz 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.
- ◆ Newport WFO SKYWARN Net, Tuesday, 2100 on 145.21 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 (20 wpm)
- ◆ 3.573 2200 hours, slow speed (12-14 wpm), South Carolina/North Carolina

Pitt County Repeater Association

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

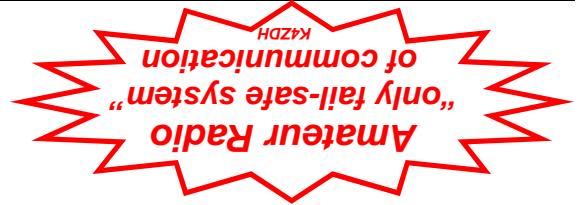
BARC CALENDAR OF EVENTS

Dec 8.....	ARRL 10 Meter Contest	Feb 22/24.....	CQ WW SSB 160M Contest
Dec 11.....	BARC Christmas Party	Feb 24.....	NC QSO Party
Dec 18.....	BARC VE Session – TUESDAY	Feb 26.....	Board Meeting
Dec 26 (Wed).....	Board Meeting	Mar 2.....	HAM CHATTER DEADLINE
Dec 29.....	HAM CHATTER DEADLINE	Mar 2/3.....	ARRL SSB DX Contest
Jan 1.....	ARRL Straight Key Night	Mar 12.....	Regular Meeting
Jan 5/6.....	ARRL RTTY Roundup	Mar 26.....	Board Meeting
Jan 8.....	Regular Meeting	Mar 30.....	HAM CHATTER DEADLINE
Jan 25/27.....	CQ WW CW 160M Contest	Mar 30/31.....	CQ WW SSB WPX Contest
Jan 29.....	Board Meeting	Apr 9.....	Regular Meeting
Feb 2.....	HAM CHATTER DEADLINE	Apr 16.....	*BARC VE Session – TUESDAY
Feb 9/10.....	CQ WPX RTTY Contest	Apr 30.....	Board Meeting
Feb 12.....	Regular Meeting		<i>*Tentative</i>
Feb 16/17.....	ARRL CW DX Contest		
Feb 19.....	*BARC VE Session – TUESDAY		

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
PCEC 2 METER NET - MONDAY NIGHTS AT 8:30 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



December 2012
Christmas Party
December 11

To:



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