

HAM CHATTER



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“Amazing Help:” Hams Play Critical Role in Colorado Flood Evacuation

**Next Meeting
October 8, 2013**



Amateur Radio volunteers assisting with communications in the aftermath of the devastating Colorado flooding came in for high praise recently for their

role in helping to safely evacuate youngsters and others from a mountain environmental education center threatened with being cut off by road washouts. In an Op-Ed piece last week in the Longmont Times-Call, Sandra Harem, the executive director of the JPPI Outdoor Lab in Estes Park, Colorado, cited the “amazing help” from hams and others in getting the students, school staff and Lab staff out of harm’s way on September 12.

“The staff of the JPPI Outdoor Lab would like to extend our heartfelt gratitude to the volunteers of the Mountain Emergency Radio Network [MERN] and so many others who helped the seventh-grade students, chaperones and staff of St Vincent De Paul Catholic School and staff of the JPPI Outdoor Lab get home safely to their families,” Harem said.

On September 12, Harem called the Larimer County Sheriff’s Office to find out about road conditions. Because of the heavy rainfall, she and the school’s assistant principal were getting a group of seventh graders ready to leave as soon as possible. “The sheriff’s office said Highways 34 and 36 were closed,” she recounted. “We worked on alternative routes.”

An hour later, the director of the affiliated High Peak Camp told Harem they needed to relocate in case power went down. The sheriff’s office advised relocating to a Red Cross evacuation center in Allenspark, which subsequently invited the group.

Hearing the call, MERN volunteer Karel Kosman, KDØRFT, contacted fellow MERN member Steve Coles, KDØRFQ, that the group needed help evacuating. Coles deployed to the JPPI Outdoor Lab and helped relocate the students, staff and chaperones safely, Harem said.

After Coles left to help others, communication was cut off, so the assistant principal and Harem drove to the Allenspark Fire Station and to the Estes Park Police Station hoping to get better information. “It took us until 9 PM to return to our group at Highlands [the shelter site] by hiking and a few helpful car rides, because Highway 7 had ruptured in two places,” Harem said.

Early the next morning, Coles was back to help with communication with the Boulder County Office of Emergency Management. According to Harem, Coles advised the OEM to have Colorado Department of Transportation personnel see if it might be possible to take buses on the Peak to Peak Highway. A plan evolved to have the buses meet the group at the point of a highway washout near the junction of Highways 72 and 7, then walk the students across the compromised road to the buses.

The Brightleaf Amateur Radio Club will have its regular meeting on Tuesday, October 8 at 7:30 PM at VFW Post Home 7032 on 1108 Mumford Road in Greenville. Program: Bethany, Ohio Voice of America Museum Special Video will be shown. All members, families and guests are invited to attend.

The next board meeting will be October 29 at 7:30 PM at VFW Post Home 7032 on 1108 Mumford Road in Greenville. All members invited.

The Archdiocese of Denver, the superintendent of Catholic Schools and the Boulder County OEM okayed the plan.

That afternoon, buses arrived on Highway 7. “We transported the students, chaperones, St Vincent staff and JPPI Outdoor Lab staff to the meeting point, and all students were reunited with their families at St Vincent De Paul Catholic School that evening,” Harem said.

Among others, Harem praised Coles for “his tireless patience, persistence and care of all of the students, chaperones and staff,” and Kosman “for radioing on our behalf to Steve Coles.” She also thanked all MERN members “for making it possible to have such effective communication during an emergency.”

ARRL Colorado Section Manager Jack Ciaccia, WMØG, says MERN is an Amateur Radio repeater system built by members of the Boulder County (BCARES) group and was the brainchild

(Continued on page 2)

(Continued from page 1)

of BCARES Emergency Coordinator Allen Bishop, KØARK.

“The two MERN ham radio operators that were involved in this rescue, Steve Coles, KDØRFQ, and Karel Kosman, KDØRFT, are two of some 60 mountain residents who attended the ham radio classes put on by BCARES members in the mountain communities over the last year and were recently licensed after taking the FCC exam given by ARRL Volunteer Examiners who are also members of BCARES,” Ciaccia pointed out.

He notes that the hams at the Boulder OEM and the EOC were BCARES operators who were monitoring all traffic from the MERN repeaters as well as from other EOCs on the air from flooded counties along the Front Range as well as communications from the state EOC. “The hams who happened to be monitoring at the Boulder EOC at the time were George Weber, KAØBSA, and Dave Sharpe, KIØHG,” Ciaccia said. “These two hams, coincidentally, had been Steve and Karel’s MERN ham radio license instructors and Volunteer Examiners as well as part of the BCARES group who built and installed the MERN repeaters.”

Ciaccia said it was Weber and Sharpe who coordinated with the Boulder OEM and Transportation Group to arrange for the buses, then got them on their way by relaying communications from the MERN radio operators in the flood-stricken zones. - via ARRL.ORG

BARC HF Transceivers For Sale

The **Kenwood TS-430S** is designed for



SSB, CW, AM and FM (optional) modes. Coverage is 160 through 10 meters including the WARC bands. All solid-state technology is input rated at 250 PEP on SSB, 200W DC on CW, 120W FM (optional) and 60W AM. General coverage receive from 150 kHz to 30 MHz is featured. **\$350 or best offer.**

The **Kenwood TS-520** is designed for SSB



and CW modes in the 80 through 10 meter ham bands. It also features receive of WWV at 10 MHz. The TS-520 features a very accurate linear analog display dial. Power input is 120W PEP SSB and 100W DC CW. (This transceiver does not have general coverage receive). The hybrid circuit includes three 6146A and two 12BY7A tubes plus 1 IC, 17 FETS, 45 transistors and 84 diodes. **\$350 or best offer. Contact W4JNC, president @ w4amc.com.** (Phone number below)

Next VE Session

The next Brightleaf Amateur Radio Club VE session will be held **Tuesday, October 15** at the VFW Post Home 7032 on 1108 Mumford Road and will start promptly at 6:30 PM. Ted Bertrand, **KI4PWX**, 756-3734. 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 **October**.

- 28 K4BMH Byron Highland
- 31 K4ZYD Terry Monday

Additions or corrections to W4YDY

Well Wishes

Thoughts and Prayers go out to the following:

Charlie Wells, K4SKI

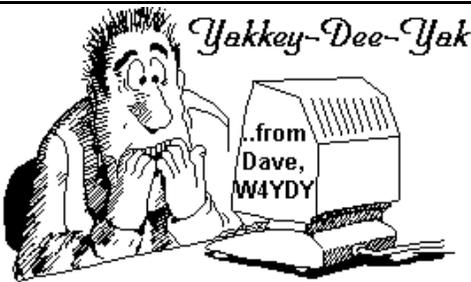
Tom Parsons, W4TEP

Stan Barney, KJ4GDR



Please inform John McCoy, K4KBB, k4kbb @ earthlink.net of any changes.

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see me and then go home. Stuart, **K4QDQ**, his younger brother, passed away about 5 or 6 years ago. I gave Stuart his license exam a couple of years before Raymond got his. When Stuart and I got on the air, it was Yakkey-Dee-Yak and Quackey-Dee-Quack! After I moved to Greenville, Raymond and I talked on the phone often.

Wayne Green, W2NSD, SK

As noted on the next page, W2NSD, passed away at age 91. He had many opinions about many things and had long editorials in his magazines. When he started 73 Magazine in 1960, I subscribed for over 20 years beginning with the first issue. He shut it down after 43 years. The magazine had some outstanding construction articles and he promoted SSB, FM, solid-state and easy construction projects.

I built several projects from his magazine. The magazine had 2 or 3 hundred pages in the first years.

His editorials were usually several pages long and a lot of that was disagreeing with the ARRL and their actions.

In the 1970's, he promoted computers and started 80 Microcomputing. It had articles on the Radio Shack TRS-80 computer and was very good if you had one. Since I did have one (and still do), I also got the magazine for the several years it was published. Also got Byte Magazine when he started that.

I heard him speak at the Charlotte Hamfest in the early 1960's and at the Dayton Hamfest in 1980. His editorials were much more interesting. Didn't stay to the end of his speeches. - W4YDY

Raymond Upchurch, W4GXT, SK

Raymond Upchurch, **W4GXT**, Raleigh, passed away 9/19/13. He was 88. Raymond was a great guy and a very good friend for over 50 years. Recently, he would go to the Raleigh Hamfest just to



Ham Radio Community Invited to Say "HI" to Juno Spacecraft

NASA's Juno spacecraft will fly past Earth on October 9 to receive a gravity assist, putting it on course for Jupiter. To celebrate, the Juno mission is inviting Amateur Radio operators around the world to say "HI" to Juno in a coordinated Morse code message. If enough operators participate, Juno's "Waves" radio and plasma wave experiment should be able to detect the message. The Say "HI" to Juno <<http://www.jpl.nasa.gov/hijuno/>> web page will be updated with additional information as the event approaches. All transmissions will take place on 10 meters, with the precise (suggested) frequency determined by the last letter of your call sign (see Juno Flyby Table in "Photo Gallery" below).

Sponsors say Juno will have a better chance of detecting signals from many operators if the transmissions are spread out across the spectrum. The Juno Waves instrument is a broadband receiver, and the detector being used for this event has a passband that's 1 MHz wide.

While the Waves instrument is sensitive to radio signals in all amateur bands below 40 MHz, sponsors chose 10 meters, because experience with the University of Iowa instruments on the Galileo and Cassini Earth flybys showed significant ionospheric shielding at lower frequencies. Sponsors actually are hoping for poor band conditions on October 9, so an appreciable fraction of the radiated energy can escape the ionosphere into space.

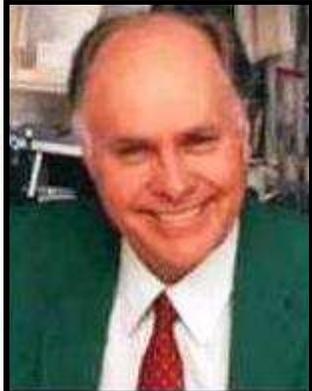
Indicators on the Say "HI" to Juno web page will instruct participants when to transmit and when to stop transmitting. Each will have a timer to indicate how long until you switch from one mode to the other mode. Stations should transmit a legal station identification as the FCC or non-US regulators require. Participants should consider their stations to be operating as attended beacon stations and should avoid transmitting on top of ongoing communications.

Stations with directional antennas should check the web site for information on what headings to use during the event. Visit the Say "HI" to Juno web page for full details and to obtain the latest information. The activity begins October 9 at about 18:01 UTC and continue until about 20:41 UTC. Operators taking part should make sure their computer clocks are synchronized to network time prior to the event. The web page will indicate when you start or stop transmitting (key down/key up).

Participants can receive a QSL card for contacting Juno. E-mail your call sign and mailing address to juno_outreach@jpl.nasa.gov. Additional information is available at NASA's Juno <<http://www.nasa.gov/juno>> web site and the Mission Juno <<http://missionjuno.swri.edu/>> web site. — NASA Jet Propulsion Laboratory; thanks to John Andrews, ACØXY - via ARRL.ORG

Last Letter of Your Call Sign	Frequency to Use (MHz)
A	28.001
B	28.019
C	28.037
D	28.055
E	28.073
F	28.091
G	28.109
H	28.127
I	28.145
J	28.163
K	28.181
L	28.199
M	28.217
N	28.234
O	28.252
P	28.270
Q	28.288
R	28.306
S	28.324
T	28.342
U	28.360
V	28.378
W	28.396
X	28.414
Y	28.432
Z	28.45

Ham Radio Publications Pioneer, Visionary, Iconoclast Wayne Green, W2NSD, SK



Wayne Green
W2NSD, SK

Wayne S. Green II, W2NSD, died September 13, 2013. He was 91. A well-known and often outspoken figure during what some consider Amateur Radio's golden years in the 1950s and 1960s, Green helmed CQ Magazine for 5 years before becoming the self-proclaimed "El Supremo and Founder" in 1960 of 73 magazine, which he published until 2003.

"The purpose of [73] at that time was to get more hams building equipment," Green recounted in a radio interview several years ago. A hallmark of 73 was Green's iconic, rambling, and wide-ranging "Never Say Die" editorials, in which he rarely missed an opportunity to tweak the ARRL and his magazine com-

petitors for their perceived shortcomings. ("Never Say Die"), of 73 to Internet Archive.

Hancock, New Hampshire, said ARRL CEO David Sumner, K1ZZ. "Wayne will be remembered in many different ways by many different people, but he will be long remembered," said ARRL CEO David Sumner, K1ZZ. "He maintained his membership in the ARRL despite being a persistent critic. In the early days of packet radio he gave me some good advice as to how the ARRL should promote the new technology: 'Talk about it as if everybody's doing it, and eventually they will be.'"

Indeed, Green often was ahead of the curve in promoting such technologies as single-sideband phone, solid-state, FM, and the marriage of computers and ham radio, and he went on to found and publish Byte and other computer-oriented publications. "I live mostly in the future," Green was quoted as saying.

Former ARRL Contributing Editor Stan Horzempa, WA1LOU, once wrote in his "Surfin'" web column, "We take computers and the Internet for granted today. I first became interested in computers when Wayne Green, W2NSD, started writing about them in 73 magazine in the 1970s. Back then, you had to build your own from scratch or from kits."

Green maintained a larger-than-life presence, even in the years after he faded from the Amateur Radio spotlight, and he never did really retire. "Hey old buddy, I will miss you," radio talk show host Art Bell, W6OBB, posted to Wayne Green's blog. "NEVER SAY DIE is a phrase that will be with me till it's my time." Green was an occasional guest on Bell's "Coast to Coast AM" overnight talk program. There hardly was an issue that Green would not confront, and he expounded a variety of unconventional science, health, and medical theories — from cold fusion and the moon landing to AIDS and cancer cures. He continued to write and speak frequently on these topics and others, as well as on public policy, even at hamfests where he was a guest.

The "Final" in his blog sums up Green's overarching philosophy. "Wayne Green passed away September 13, 2013 in a peaceful, painless transition from this life on Earth. An eternal optimist, and one who loved to share his never-ending zest for life, he was a friend to many and will be missed greatly. Wayne was not afraid of dying and was very much ready to embark on his next great adventure to the after-life."

Scouting's Jamboree on the Air 2013 Coming Soon



The 2013 running of Scouting's Jamboree on the Air (JOTA) is just weeks

away. The 56th JOTA will take place the weekend of October 19-20, from 0000 local time Saturday to 2400 local time Sunday. JOTA gives members of the Boy Scouts of America a chance to experience Amateur Radio firsthand, perhaps planting the seed for a lifetime of hamming.

The world's largest Scouting event, JOTA attracts nearly 750,000 Scouts participating from 6000 stations in 150 countries. Not a contest, JOTA's goal is to foster Scout-to-Scout communication across borders.

"The idea is to contact other Scout stations and allow as many Scouts as possible to talk to other Scouts and learn about who they are and what they are doing," the

BSA says in its JOTA guidelines, which offer suggested frequencies. Licensed mentors often open their stations to Scouts on JOTA weekend, serving as control operators. Radio operation will be on 80 through 6 meters and 2 meters and 70 centimeters FM simplex, all modes.

Through its Radio Scouting sponsorship, Icom America is providing stations for JOTA and other Scouting events, including the loan of five stations that will be on the air for JOTA 2013.

Last year more than 18,500 US Scouts took part in JOTA from more than 200 stations -- up by nearly 500 percent from a year earlier. - via ARRL.ORG

Ham Ads Watch Out for Pirates!

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.

For Sale: Kenwood SP-520 speaker: \$30.00.
 Murray, **K4MHM**: mmmm0320@gmail.com



The Daily DX reports that some pirate stations have been on the bands claiming to be in Vietnam. Apparently bogus call signs are 3WØIUR and 3WØPQE. Also questionable are XV8LNS on 20 meters (JT65), XV2PC on 15 meters (PSK31), XV2PTEOTL on 15 meters (PSK31), and XV2M on 20 meters (JT65 and SSB). The Daily DX says other call signs believed to be pirates are XV3DCM, 3W2LGY, and

3W4RJF. In addition someone has been using the call sign XV2T on 15 meters CW, but the real XV2T does not operate CW. - via ARRL.ORG

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BARC Meeting Minutes - September 2013

BARC Meeting Minutes

Date: 9.10.13

Call to Order: 7:30 pm

There were 22 persons present as recorded in the sign in book.

Minutes: Approved as published in Ham Chatter.

Secretary's Report: Ted Bertrand, **KI4PWX**, had nothing to report.

Treasurer's Report: Gerry Clayton, **K4IDD**, gave the report.

Equipment: Ted Bertrand, **KI4PWX**, had nothing to report. BARC is looking for a new equipment manager. Contact Richard Campbell, **W4JNC**, if interested.

VE: Ted Bertrand, **KI4PWX**, reported that the next VE session will be October 15, 6:30 pm at the VFW Post. See w4amc.com for details.

Health and Welfare: John McCoy, **K4KBB**, had nothing to report beyond what is listed in Ham Chatter.

Ham Chatter: Dave Langley, **W4YDY**, gave the report and pointed out the article on page 2 describing new fees for vanity call signs.

Publicity: Taylor Millar, **W4WTM**, reported that announcements for the club meetings and VE session would run in the Daily Reflector.

Pitt County ARES: Bill Dawson, **W4SLC**, reminded all to be vigilant regarding hurricane season.

Public Service: No report

Future Programs: No report

Old Business: None

New Business: Bernie Nobles, **WA4MOK**, reported that the nominations committee met and recommend the following for 2014 Officers:

President: Terry Monday, **K4ZYD**

First Vice President: Josh Steele, **KB3VKH**

Second Vice President: John McCoy, **K4KBB**

Secretary: Ted Bertrand, **KI4PWX**

Treasurer: Gerry Clayton, **K4IDD**

Past President: Richard Campbell, **W4JNC**

2nd Board Member: Morris Lewis, **AK4MU**

There was a call for additional nominees, but none were brought forth. Nominations for names to be on the ballot in November are now closed. Write-ins are permitted. Voting will occur at the November meeting.

Announcements: Byron Highland, **K4BMH**, announced that the Maysville Ham Fest will be Oct. 13

Program: Peter Van Houten, **KG4WEZ**, gave a program on the origins of the use of radios for air and sea search and rescue.

Adjournment: 9:30 pm.

Respectfully Submitted by

Ted Bertrand, KI4PWX
BARC Secretary

BARC Board Minutes - September 2013

BARC Board Meeting Minutes

Date: 9.24.13

Call to Order: 7:30 pm

Secretary's Report: Ted Bertrand, **KI4PWX**, had nothing to report.

Treasurer's Report: Gerry Clayton, **K4IDD**, gave the report. BARC has placed into trust \$339.23 from Pitt County ARES.

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

VE: Ted Bertrand, **KI4PWX**, reported that the next VE session will be October 15, 6:30 PM at the VFW Post.

Health and Welfare: John McCoy, **K4KBB**, had nothing to report beyond what is listed in Ham Chatter.

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

Publicity: Taylor Millar, **W4WTM**, reported that announcements for club activities would run in the Daily Reflector.

Pitt County ARES: It was reported by Gerry Clayton, **K4IDD**,

that, per Dave Pulver, **KG4CZV**, Pitt ARES closed its checking account due to inactivity in the account. BARC will hold the remaining balance of \$329.33 in trust on behalf of Pitt ARES.

Public Service: No report was given.

Future Programs: The October program will be a film about the VOA site in Bethany OH.

Old Business: None

New Business: General discussion regarding club activities and programs, encouragement incentive to participate in the BARC net, and a possible one-time purchase of name tags for club members.

Announcements: The Maysville Hamfest will be Oct. 13.

Adjournment: 8:15 pm.

Respectfully submitted by

Ted Bertrand, KI4PWX
BARC Secretary

2014 BARC Officer Nominations

BARC officer nominations were presented to the club at the September 10 meeting by the nominating committee. No other nominations were presented. If someone else wants a position, let the committee know and a write-in ballot will be used at the November meeting when voting takes place.

The following have been nominated for 2014:

President: Terry Monday, **K4ZYD**
 1st Vice President: Josh Steele, **KB3VKH**
 2nd Vice President: John McCoy, **K4KBB**
 Secretary: Ted Bertrand, **KI4PWX**
 Treasurer: Gerry Clayton, **K4IDD**
 1st Board Member: Past President: Richard Campbell, **W4JNC**
 2nd Board Member: Morris Lewis, **AK4MU**

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 email **barc@w4amc.com**
 Help support *Ham Chatter* and the club.
Donations accepted!

New hams: Want to work some DX?

If you'd like to work some easy DX, two great opportunities are coming up. The CQ World Wide DX SSB Contest is on October 26-27 and the CW contest is on November 23-24. These are probably the two largest dx contests of the year, with thousands of participants trying to work as many people as possible - they need you as much or more than you want them. There is very little split frequency operation except on 40m SSB.

There are many big contest stations with big equipment and big antennas - they can hear your 100 watts if you are relatively in the clear. The "trick" is propagation and time. The first contest night (Friday) is really tough for small stations on 20m and down - lots of pileups of 1500 watt stations. Saturday morning, if propagation is good, 10m and 15m are very possible. Chances on 20m improve as the day wears on, and 40m and 80m are possible Saturday night. Sunday, most stations have worked a large number of contacts and many call CQ without responses for minutes at a time. Anyone who calls them has an excellent chance.

You do not have to enter the contest to make a contact, but you will need to send the correct contest exchange - for us, "59 zero5" or "595" on SSB and "5nn 5" on CW (we are in CQ Zone 5). It is easier

to use the "hunt and pounce" method - the DX calls CQ, QRZ, or Contest, and you give your complete callsign once (no funny phonetics). When he repeats your call correctly and gives you the exchange (with his zone number) you acknowledge it (roger, QSL, confirm, etc.) and give the exchange (no call signs). Sorry, no chatting since it is a contest after all - he's in a rush. But you now know you can be heard wherever he is. You can also "run" stations by calling CQ yourself, but this usually requires some skill and either a good directional antenna or substantial power or both.

If you want to use logging software or especially if you want to enter the contest, Google N1MM and look at his contest logging software. It is one of the best and the price is right (free). If your rig is connected to a computer, it has a number of really neat features. Read the manual (at least for the parts you intend to use), and check about a week before the contest for any updates. It is easy to export your log in the Cabrillo format required for entering logs in the contest. You also should read the contest rules in CQ or on their website.

Most of all, have some fun! If the propagation gods are with us, it can be amazing.

Gerry, K4IDD

2013 CY0P Sable Island DXpedition

The Sable Island DXpedition may start on September 30 when they arrive but it may be a day later. BARC member Murray Adams, **WA4DAN**, along with Gary Bartlett, **VE1RGB**, and Rick Harris, **A1SP**, will be the operators.

Operation will be on 160 meters through 10 meters on CW and SSB. Unfortunately, due to equipment limitations,

there will be no RTTY operation. Rather than returning on October 11 as previously planned, for a number of safety (weather) and cost considerations, the return date will be on either 7, 8, or 9 October.

Murray always enjoys contacting BARC members. It doesn't take much power. Mobile contacts were made from Pitt County on 15M a year ago - *W4YDY*

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.pcara.us/>

Greenville repeaters

147.09/69 - 145.35/144.75

444.8/449.8

All use 131.8 tone

BARC CALENDAR OF EVENTS

Oct 8	Regular Meeting	Dec 17	BARC VE Session – TUESDAY
Oct 13	Maysville Hamfest*	Dec 31	Board Meeting
Oct 15	BARC VE Session – TUESDAY	Jan 4	HAM CHATTER DEADLINE
Oct 26/27	CQ WW SSB DX Contest	Jan 4/5	ARRL RTTY Roundup
Oct 29	Board Meeting	Jan 14	Regular Meeting
Nov 2	HAM CHATTER DEADLINE	Jan 18/19	ARRL January VHF Contest
Nov 2/3	ARRL CW Sweepstakes	Jan 24/26	CQ WW CW 160M Contest
Nov 12	Regular Meeting	Jan 28	Board Meeting
Nov 16/17	ARRL SSB Sweepstakes	Feb 8/9	CQ WPX RTTY Contest
Nov 17	JARSFEST - Benson*	Feb 11	Regular Meeting
Nov 23/24	CQ WW CW DX Contest	Feb 15/16	ARRL CW DX Contest
Nov 26	Board Meeting	Feb 18	BARC VE Session – TUESDAY
Nov 30	HAM CHATTER DEADLINE	Feb 21/23	CQ WW SSB 160M Contest
Dec 7	ARRL 160 Meter Contest	Feb 23?	NC QSO Party
Dec 10	Christmas Party	Regular Meeting - 2nd Tuesday @ 7:30 PM	
Dec 14	ARRL 10 Meter Contest	Board Meeting - Last Tuesday @ 7:30 PM	<i>*Hamfests</i>

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 2013
Next Meeting
October 8**

To:



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