



The Blue Ridge Echo .. Echo .. Echo ..



Official Transmitter of the Blue Ridge Amateur Radio Club - W4YK -

Message from the President, Danny (NA4X)

The Prez Says...

Fall is here and the weather is cooling down. Tourist are everywhere looking at the leaves. So far there have not been any major hurricanes or storms which we can be thankful for. It is still important that we be prepared in the case of an emergency to help ourselves and our neighbors. I heard someone on the radio say that Florida was now at its greatest risk of severe damage due to a major hurricane. The reason they said had nothing to do with the increased population or number of buildings. The problem was complacency. Florida has not had a major hurricane in almost 9 years. People are just not prepared anymore. We have the same concerns here in the mountains. If we wait until a disaster strikes to get prepared we will be struggling ourselves and in no way will we be able to help others.

This past weekend Ronnie, Michael, Kathleen, James and myself set up radios for the Boy Scout jamboree at *Dupont State Forest* and allowed the scouts to get a taste of what it is like to use ham radios. It was very successful. Thank you guys and ladies. The Boy Scout motto is "*Be Prepared*" and this just shows them one more method to be prepared.

November 1st there is going to be a *Simulated Emergency Training Exercise (SET)*, lead by the ARES group. We would love to have any hams to join in and participate with us. You will be paired up with a ARES member. You do not need any equipment other than maybe a hand held radio. Meet at the Hendersonville EOC by 10:00 AM November 1st.

Remember these are ways you too can be prepared.

73's

Danny (NA4X)

Minutes from October 7, 2014

Meeting called to order by President Rector (NA4X) at 7:00 PM followed by the Pledge of Allegiance.

In Attendance: Twenty seven people signed the attendance sheet. There were 3 visitors listed, as follows: John Ponder (KD4QKH), Rose Ponder (XYL), Paul Alexander (K5LZT).

General Business

The minutes were approved from the September meeting along with the September Treasurer's Report.



Treasurer's Report

September 1 – September 30, 2014

Balance as of 8/31/14	\$1,178.30
Plus: Deposit: 9/3/14 – \$9 50/50 + \$8 Nametag	\$17.00
Total Income	\$ 17.00
Sub-Total	\$ 1,195.30
Total Expense	\$ 0.00
BALANCE AS OF 9/30/14	\$1,195.30

New Business

Participants in the *Rosman Tracking* tour were invited to meet at the J&S Café at 7:00 AM on Saturday, October 11, 2014. The tour took place at 10:00 AM.

Jamboree on the Air (JOTA)

Ronnie (K2SST) announced that the *Boy Scouts* are having their jamboree at the Dupont Farms. They need some volunteers to talk about Ham radio. The date for the Jamboree is Saturday, October 18, 2014. There will be hands-on displays of Ham radio and volunteers are needed. Times are between 9:00 to 5:00 PM.

Post Note: This event was a huge success. See Danny's comments above.

Emergency Test

John (N9JZX) announced that there is a test of Hendersonville's Emergency network scheduled. It's called the *Simulated Emergency Training Exercise (SET)*, and volunteers are welcome!

Christmas Parade

The *Fletcher Christmas Parade* will be on Saturday, December 13, 2014. Contact Dick (W4RSS) for details.

Service Award

Michael (AI4GR) announced that the *Blue Ridge Amateur Radio Club* received a Service Club Award. Congratulations BRARC!

Formal Presentations

There were 2 formal presentations, as follows:

1. Summit on the Air (SOTA)

This was presented by Howard (W4PH). He described what it is and where you do it. It was enjoyed by all.

2. Mesh Networks

Martin (W4FOT), Dick (W4RSS), and John (N9JZX) presented information on the newly established mesh network on Bearwallow Mountain. The node uses two directional antennas one aimed at *Pardee Hospital* and one aimed slightly north of that.

Anyone having a clear view of *Bearwallow Mountain* should be able to see the Node using the ham radio mesh software. Signal reports are sought, so if you have a Linksys or a Ubiquity router power it up and see if you can see the NC4HC-02 node. Please let John, (N9JZX) and Martin, (W4FOT) know.

Update on the Mesh Network

Brandy, N1HO, has supplied the following info on the mesh node on Bearwallow Mt:

WL2K Coordinates for Bearwallow, Pardee, EOC, Health Dept.

I obtained the coordinates for Bearwallow from the license data for KKC947 at 82 deg 21 m 24.4 sec., 35 deg 27 m 25.4 sec. I obtained the coordinates for Pardee from the license data for KAM998 at 82 deg 28m 1.4 sec., 35 deg 19m 12.4 sec.

Working off of a paper map, I deduced the Health Department at 1200 Spartanburg Highway to be 82 deg 26.42 min/35 deg 18.14min and the EOC at 211 1st Ave East to be 82 deg 27.26 min/35.3146 deg. This implies that the distance between Bearwallow and Pardee is 11.52 miles, bearing lines 212.56/32.5 degrees

For reference, I'm located at 82.473442/35.281849, which puts me 2.66mi almost due south of Pardee (187.74/7.74), and 2.3 mi SW of the Health Dept (230/050), and 2.5 mi SSW of the EOC (199/019). It's a 14 mile haul through the trees to Bearwallow (208/28).

I'm looking for ideas for an antenna system which can radiate a 45 degree 'wedge', perhaps phasing a pair of 19dB gain omni verticals?

73, Brandy, N1HO

50/50 Drawing

John Ponder (KD4QKH) won the drawing! Congratulations!

Calendar of Events

Here are some notable dates to be aware of:

Date	Description
November 1, 2014	The <i>Simulated Emergency Training Exercise</i> (SET), and volunteers are welcome! Contact John (N9JZX).
December 2, 2014	BRARC Christmas Party. Venue TBD.
December 7, 2014	Hendersonville Christmas Parade. Volunteers needed.
December 13, 2014	Fletcher Christmas Parade. Contact Dick Smith (W4RSS) for details.

Meeting Adjourned at: 8:25 PM

Items for Sale or Wanted

For Sale

Yaesu FT-1900 2M radio. Four months old. Original box, mic, mounting brackets, manual, still under warrantee. Also includes *RT Systems* programming software & cable. Asking \$150. Contact Doug, KJ4WWN, 828-685-1291.

For Sale:

Antenna - *Tar Heel 200A-HP Screwdriver Antenna* , mint condition, asking \$600 (cost new \$860). It comes complete with all mounting hardware , plus SDC-102 controller, ICOM 7000 Tune Control (by Better RF), ICOM 7000 Screwdriver Control (auto tuner, by Better RF)) and Ground Radial Kit. Used once then stored. Contact *Bob Felt*, W4RYF@ARRL.NET, tel (828) 696-4103.

For Sale:

Hexbeam by K4KIO. It's about a year old and has been outside most of that time. It appears to be in good condition. It has the 20M, 15M and 6M options. Contact: <http://www.k4kio.com/>
Asking \$300. Paul Alexander, K5LZT, 828-697-1732.

For Sale

Kenwood TH-22AT 144 mhz FM HT transceiver w/charger, Kenwood 430S multiband transceiver with speaker and microphone. Daiwa cross needle SWR/power meter, Swan Electronics WM-1800 power meter, MFJ Enterprises 1.5 KW Dry Dummy Antenna Load, Astron RS-20A Linear Power Converter (AC to DC), Heathkit 1 KW Power Amplifier, Ten-Tec Model 227 Antenna Tuner. Unassembled Heathkits - (2) Photoelectric Beam Relay – Model #GD-1021, Photoelectric Light Switch – Model #GD-600, Light Dimmer – Model #GD-1018, Digital Alarm Clock – Model #GC-1107, Weather Station – Model #ID-1290. Assembled Heathkits - Indoor/Outdoor Humidity Meter – Model #ID-2295, Oscilloscope – Model #ID-4560, Multimeter – Model #IM-5284. Also different sizes of coaxial cable, coaxial connectors, insulators and antenna wire. Contact Jim Ballard (K4NYE) at 828-606-2347.

Popular Ham Radio Nets

Name	Frequency/Tone	Day/Days AM/PM (EST)
BRARC Net (W4YK)	146.640 MHz/ T 91.5	Sunday 8:00 PM
Henderson County ARES Net	146.640 MHz / T 91.5	Wednesday 8:30 PM
Oasis Shrine Net	145.190 MHz	Sunday 9:00 PM
Blue Ridge Traffic (SC)	146.610 MHz	Daily 9:00 PM
6600 Net	145.190 MHz	Saturday 9:00 PM
Good Morning Net	146.760 MHz	M-W-F 9:00 AM
WCARS Information Net	146.910 MHz/ T 91.5	Monday 9:00 PM
Buncombe ARES Net	146.910 MHz/ T 91.5	Wednesday 9:00 PM
Transylvania ARC Net	147.135 MHz	Thursday 8:00 PM
WCARS Simplex Net	147.525 MHz	Tuesday 8:30 PM
Mount Pisgah 220 Net	224.260 MHz	Sunday 9:00 PM
Mount Mitchell 220 Net	224.540 MHz	Monday 8:00 PM
Mount Pisgah 220 Thursday Net	224.260 MHz	Thursday 8:00 PM
Hit and Bounce Net (CW)	7.042 MHz	Daily 8:30 AM
K4UUQ Morning Net	7.225.5 MHz (SSB)	Mon-Sat 7:00 AM
Carolinas Slow Net	3.571 MHz (CW 5-8 wpm)	Daily 8:00 PM
Carolinas Net (Early)	3.573 MHz (CW 20-22 wpm)	Daily 7:00 PM
Carolinas Net (Late)	3.573 MHz (CW 15-18 wpm)	Daily 10:00 PM
QCWA Chapter 76	3.740 MHz (SSB)	Saturday 8:45 AM
NC Evening Net	3.923 MHz (SSB)	Daily 6:30 PM
Tarheel ARES Net	3.923 MHz (SSB)	Daily 7:30 PM

NC Morning Net	3.927 MHz (SSB)	Daily 7:45 AM
SATERN Net	14.265 MHz	Daily 10:00 AM
BRARC Rag Chew	28.350 MHz	Sunday after the 146.640 Net
Friday 6 Meter Rag Chew	53.130 MHz/ T 100	Friday 8:00 PM

Club Information

Blue Ridge Amateur Radio Club (BRARC)

One of the key benefits of joining or having a ham radio club in your community is to link-up with like-minded people who share similar interests. Radio operators come from all walks of life. Some are students, teachers, pilots, technicians, police officers, doctors, executives, retired military, engineers, you name it.

The *Blue Ridge Amateur Radio Club* is all of these things. Another key benefit it that they give-back in many ways back to their community. Amateur radio operators at BRARC donate time and equipment to participate with the Department of Emergency Management, the Red Cross, and FEMA. Radio operators practice using their equipment without power from the grid. So during REAL emergencies they can supply the necessary communication to first responders so they can provide help to those who need it. Hurricane Sandy was a perfect example. Ham radio operators helped FEMA direct needed supplies and medical attention.

The BRARC also provides volunteer community support in a variety of community activities including, parades including the 4th of July, and Christmas parades, walk-a-thons, bike-a-thons, horse riding events at the Biltmore Estates, and the Fletcher Flier.

The *Blue Ridge Amateur Radio Club* also provides daily and weekly forums via what they call "*Nets*." You don't need a ham license to listen to a net - just a radio. These forums include informal sessions or "*rag chews*" that discuss local events or just about any topic.

Blue Ridge Echo Submissions

If you have timely information that you would like to publish in the Echo, all submissions must be received by the first 6-7 days of each month in order to meet publication deadlines. Please send your copy to Doug (KJ4WWN) at themtns@yahoo.com.

Blue Ridge Amateur Radio Club Officers

Title	Name	Call Sign	Phone	Email
President	Danny Rector	NA4X	828-329-8863	rectordl@bellsouth.net
Vice President	Bill Gaede	KK4VCQ		rattletree7@gmail.com
Treasurer &	Steve Smith	KC5F	828-697-6388	kc5f@arrl.net

Membership				
Secretary	Doug Davis	KJ4WWN	828-685-1291	themtns@yahoo.com
Member @ Large	Stan Frady	N1BBS	910-366-2133	skfrady@gmail.com
Web & Testing	Dick Smith	W4RSS	828-687-9531	w4rss@att.net