

Blue Ridge Amateur Radio Club



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



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

Message from the President, Stan Frady (N1BBS)

I want to say thank you to everyone for the baby basket. My wife and I were surprised and enjoyed the items in the basket.

Next month we are going to discuss how Arduino's are being used as a major part of a radio and start talking about Field Day. See you then!

Here are the details of what I promised at the last meeting:

ADSB with raspberry pi:

<http://www.radioforeveryone.com/p/piaware-installation.html>

ADSB antenna - 3 easy to make:

<http://www.radioforeveryone.com/p/easy-homemade-ads-b-antennas.html>

ADSB antenna comparison:

<http://www.radioforeveryone.com/p/comparison-four-ads-b-antennas.html>

My suggested antenna to build for ADSB: (collinear)

<http://www.rtl-sdr.com/homemade-ads-b-collinear-antenna/>

<https://www.balarad.net/>

Band statistics for your grid square:

<https://g7vrd.co.uk/band-statistics>

Use this for current square (change IO81 to grid square of interest):

<https://g7vrd.co.uk/bandstats/IO81>

Use this for comparison of two grid squares (change like above for the two squares):

<https://g7vrd.co.uk/bandstats/IO81/J047>

Blue Ridge Amateur Radio Club

Net Details:

- *AmRRON CPN PREPAREDNESS NET*: Wednesday – 145.190 (-) MHz No Tone – Mt. Mitchel Repeater - 20:15 early checkins – 20:30 start time.
- TAPRN(The American Preparedness Radio Network) – Sundays at 21:00 – Winter months: 3.818 MHz +/- due to QRM. 7.242 MHz +/- due to QRM.

SIMPLEX NETS If you don't have Shannon KM4EFT's info it is as follow:

- Henderson county 2M simplex net: Thursday: 21:00 – 146.580 MHz
- Henderson county 80M simplex net: Thursday: 21:00 – 3.843 MHz
- Other bands are used and announced on above nets
- KI4ZEK holds a new net on the Mt Mitchel repeater on Thursday Nights at 20:30 – 145.190(-) MHz.

Swap Shop – place for amateurs to offer up used Radio equipment for sell or trade. Only radio related items allowed. Rag chew follows.

73's

Stan (N1BBS)

Minutes from March 7, 2017

The meeting opened at 7:00 PM with the Pledge of Allegiance chaired by Stan Frady (N1BBS) our club President.

In Attendance

There were 12 people who signed the attendance sheet.

Visitors

We had two visitors: Tom Leitzel (formerly N5GUD) and Kenneth Worley (KB3WHH)

Club Business

The minutes from the February meeting were approved by the membership, as was the Treasurer's Report.

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Treasurer's Report

February 1 – February 28, 2017

Balance as of 01/31/17	\$1,964.61
Plus: Dep: Dues 10x plus \$8 50/50	\$238.00
Total Income	\$238.00
Sub-Total	\$2,202.61
Less: Exp: (none)	\$0.00
Total Expense	\$0.00
 BALANCE AS OF 02/28/17	 \$2,202.61

New Business

2017 dues for the *Blue Ridge Amateur Radio Club* are \$20 and are now due. Either send me a check made out to BRARC or bring a check or cash to the next meeting. My contact information follows. Thanks!

Steve Smith, KC5F, BRARC Treasurer
607 E Blue Ridge Rd
East Flat Rock NC 28726-2205

Insurance

Stan announced that the club was going to buy insurance to cover replacement costs for the generator, laptop, tuners and radios. Members approved.

Announcements

Club Dues

2017 dues for the *Blue Ridge Amateur Radio Club* (BRARC) are \$20 and are now due. Either send me a check made out to BRARC or bring a check or cash to the next meeting. Thanks!

Steve Smith, KC5F, BRARC Treasurer
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Reward Offered

A ham radio NC license plate (number W2GJS) was stolen off the owner's car here in Hendersonville on Thursday, February 16, 2017. If you see this plate on ANY car, please notify the Sheriff immediately. There is a cash reward for the return of this plate. Thanks, Al Abercrombie (W2GJS), 606-4238.

Blue Ridge Amateur Radio Club

Club Award

On behalf of the *Blue Ridge Amateur Radio Club* Doug (KJ4WWN) presented a gift certificate for \$50 to *Babies-R-Us* and a box of baby things to Stan (N1BBS).

Next Month's Presentation

The formal presentation will be on microcontrollers.

FORMAL PRESENTATION

Stan (N1BBS) gave a presentation on *Foxhunting on Field Day*. It included a hand-out on how to build a tape measure yagi antenna. Thanks for the info Stan!

50/50 Drawing

Burnis Souther (KK4VYT) won the drawing again.

Meeting Ended

The meeting was formally closed at 7:55 PM by a majority vote.

Monthly Article – FRN - Password? What's That?

By Doug Davis (KJ4WWN)

Way back when you tested and passed your ham operating license requirements, you probably registered with the government web site. Like most folks, if you didn't write-down your password and *FCC Registration Number (FRN)*, you may have forgotten your information.

This article shows how to find your FRN and change your password. All you need is Internet access. There are a few things that the government recorded regarding your license:

- Your call sign
- Your FCC Registration Number (FRN)
- Your password

It's fair to assume you know your call sign. However, you may have forgotten your 10 digit FRN. Here's how to find it. You need the FRN to sign into the government site.

1. Open your web browser and go to the wireless.fcc.gov URL. The *Wireless Telecommunications Bureau* page displays.
2. Select *Licensing>Universal Licensing System*. The *Universal Licensing System* page displays.
3. Select *Search>License, Click Licenses*. The *License Search* page displays.
4. In the *License Search* dialog box, select **By Call Sign** in the drop-down list, enter your call sign, and **Click Search**. The *Search Results* page displays with your information. It contains the your Call Sign, your Name, your FRN, Radio Service (ha = ham), Status, and Expiration Date, as follows:

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License Search
Search Results
[New Search](#) [Refine Search](#) [Printable Page](#) [Query Download](#) [Map Licenses](#)

Specified Search
 Call Sign like **kj4wwn**
 Matches 1- 1 (of 1)

Pending Application(s)
 Termination Pending
 Lease

Page 1

Call Sign/Lease ID	Name	FRN	Radio Service	Status	Expiration Date
1			HA	Active	08/16/2020

Page 1

Search Results Page

You now have your FRN and know your license expiration date. Record it for future reference.

Forgot Your Password?

If you know your FRN number, you can login to the FCC website and reset your password if you forget it. Here are the steps to follow:

1. Open your web browser and go to the wireless.fcc.gov URL. The *Wireless Telecommunications Bureau* page displays.
2. Under **Licensing** select *Universal Licensing System*. The *Universal Licensing* page displays.
3. Under **Online Filing>Log In**, select *Forgot Password*. The *FRN Password Reset* page displays.
4. Enter your FRN number and **Click Continue**. The *Personal Security Question Answer* dialog displays.
5. Answer the question and **Click Continue** and the *License Manage* page displays where you can modify your information as required.

Calendar of Events

Here are some notable dates:

Date	Description
April 4, 2017	BRARC Meeting. Held at <i>Jackson Park</i> . Time 7:00 PM. In the case of inclement weather on a meeting night, when <i>Blue Ridge College</i> is closed, we do not have a meeting.
March 25 to 26, 2017	NC/SC QSO Party Contest Shack opens at 10:00 AM Saturday to Sunday 8:00 PM. Volunteers needed. Contact Danny (NA4X)

Blue Ridge Amateur Radio Club

April 15, 2017	Raleigh Amateur Radio Society will hold the 45th Annual RARSFest and 2017 ARRL Roanoke Division Convention Saturday, April 15 at the NC State Fairgrounds-Jim Graham Building, 1025 Blue Ridge Road. Website: < www.rars.org >. Talk-in 146.64. VE exams, DXCC/WAS/WAC/VUCC card checking.
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For Sale

Ameritron AL-80B, Desktop Kilowatt amplifier.

I am preparing to move into a smaller QTH and must downsize my shack. My *Ameritron AL-80B* is the first item that I am putting up for sale. It is in perfect physical and operational condition. Puts out rated output of 1000W (SSB)/800W (CW). I would be glad to demonstrate how the amplifier operates.

Asking \$800.00 for local pickup. Contact: Jack K1VT, k1vt@arrl.net

Free Stuff

I have free coax, connectors, and HTs along with an accumulation of used/broken ham gear. Anyone interested should contact Al Abercrombie: 606-4238.

Popular Ham Radio Nets

New Nets are highlighted in yellow.

FM Nets

BRARC Net (W4YK)	146.640 MHz / T91.5	Sunday 8:00 PM
Henderson County ARES Net	146.640 MHz / T91.5	Wednesday 9:00 PM
Oasis Shrine Net	145.190 MHz	Sunday 9:00 PM
*KI4ZEK Net	145.190 MHz	Thursday 8:30 PM
*AmRRON CPN Preparedness	145.190 MHz	Wednesday 8:30 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/ T91.5	Monday 9:00 PM
Buncombe ARES Net	146.910 MHz / T91.5	Wednesday 9:00 PM
Transylvania ARC Net	147.135 MHz	Thursday 8:00 PM
WCARS Simplex Net	147.525 MHz	Tuesday 8:30 PM
Anderson Radio Club Net	146.790 MHz	Daily 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 Thur Net	224.260 MHz	Thursday 8:00 PM
Mount Spivey 220 Net	224.600 / T 98.4	Wednesday 8:00 PM

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6 Meter Rag Chew 53.130 MHZ/T 100 Friday 9:00 PM

CW Nets

Hit and Bounce Net	7.042 MHz (CW)	Daily 8:30 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

HF Nets

K4UUQ Morning Net	7.225.5 MHz (SSB)	Mon-Sat 7:00 AM
QCWA Chapter 76	3.636 MHz (SSB)	Saturday 8:45 AM
<i>*The American Preparedness Radio Network (TAPRN)</i>	<i>3.818 MHz or 7.24 MHz</i>	<i>Sundays 9:00 PM</i>
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
Get Up and Go Net	28.350/28.360 MHZ	Sunday 9:00 PM
SATURN Net	14.265 MHz (SSB)	Daily 10:00 AM

Simplex Nets

2 Meter Simplex Net	146.640 / 146.580 Simplex	Thursday 9:00 PM
6 Meter Simplex Net	52.5700 MHZ FM	Thursday 9:00 PM
10 Meter Simplex Net	28.420 MHZ	Thursday 9:00 PM
440 Simplex Net	446.000 MHZ	Thursday 9:00 PM
<i>*80 Meter Simplex Net</i>	<i>3.843 MHz</i>	<i>Thursday 9:00 PM</i>

Digital Mobil Radio Nets

DMR Net	WNC TalkGroup	Thursday 8:30 PM
DMR Net	TAC310 TalkGroup	Sunday 8:00 PM

Club Information

Blue Ridge Amateur Radio Club (BRARC)

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 (BRARC)* 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.

Blue Ridge Amateur Radio Club

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, 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	Stan Frady	N1BBS	910-366-2133	skfrady@gmail.com
Vice President	James Reed	KK4JFO	828-698-3609	jsreed@bellsouth.net
Treas./Member.	Steve Smith	KC5F	489-6637	kc4f@arrl.net
Secretary	Doug Davis	KJ4WWN	828-685-1291	themtns@yahoo.com
Member @ Large	David Day	N1DAY	203-450-0053	davidday@yahoo.com
Public Info/test.	Dick Smith	W4RSS	828-687-9531	w4rss@radioclub.org