



ROCKINGHAM COUNTY AMATEUR RADIO CLUB, INC.



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The RockingHAMmer News

Post Office Box 2264, Reidsville, North Carolina, 27323

August 2023

Vol. 21 No. 8

www.n4iv.org

PRESIDENT'S CORNER

Happy August!

Hard to believe the summer has flown by, and the days are getting shorter. I guess the good news to that is, won't be long and 160m might be workable. A big thank you to Jim and Bob for keeping the repeater site mowed this summer. I hope to see everyone for the meeting on 8-15 at 7:15pm.

73 Mike WA3RFE

This Month's Meeting Topic: Transmitting Band Pass Filters – Paul Patterson, N4CE

Field Day is fun. Receiving friendly fire in the form of interference from club members' stations is not. With that in mind, this month's program will be about RF Bandpass filters. Paul (N4CE) will present how they work, how well they work, as well as other pros and cons of their usage.

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***The content headings are now hyperlinks to the specific content.

You can click on the title above and you can jump to that section without scrolling.

CLUB NEWS & MEETING MINUTES

Minutes

Minutes for July 18, 2023 RCARC Club Meeting

The meeting was opened at 1915z by club President Mike Mansfield and introductions were done.

The program was presented by Bill N8KSG, on microwave transceivers built from 1980 and 1990's automobile mobile radar detectors. Bill demonstrated a pro type he is working with. He stated that that this is part one of his design. I found this very interesting.

The Treasure's report was presented by Jim N1YBH.

Mike WA3RFE reported the club score from field as 1690 total points. There were problems with inter mod during the Field Day activities.

The meeting was closed at 2010

Furman Lanier, WD4MKU

HAM BOOTCAMP – GETTING STARTED WITH HAM RADIO

With so many new hams getting licensed and or upgraded, the link below can serve as a great resource to supplement what was learned in preparation for the exam. [An electronic Elmer if you will.](https://www.n1fd.org/ham-bootcamp/) There are many areas not covered on the exam that contribute to learning and practicing good on-air techniques and courtesy. <https://www.n1fd.org/ham-bootcamp/>

VE TESTING SESSION NEWS

** Please note:

*****ATTENTION FCC, VE CHANGES*****

If you or someone you know is looking to take their ham radio test, the FCC will no longer accept SSN on the 605s. It must be an FRN from now on. You can obtain an FRN without having a call.**

You can email veteam@n4iv.org anytime with any questions about testing.

****** 2023 Membership Drive ******

It is time for all members to renew their membership for 2023. At only \$25, RCARC membership is a bargain, and your renewal is CRITICAL to maintaining the activities and club repeater. We have been

averaging about 35 paid memberships the last couple years, and many active hams just simply forget to renew, and this creates a strain on predicting how our needs will be met. Please bring a check to the January meeting to renew, or better yet - put your renewal in the mail to the PO box listed at the top of the newsletter today. Thanks!

Thanks to the following Amateurs who have renewed their RCARC membership for 2023. Your continued support is appreciated!

The following members have paid their membership dues for 2023. Paid up for two years (2023-2024)**

K4RVJ	KN4NBH	W4JLN	K4BYX	KK4KTA
KB4SHP	KN4YFA	W4SH	WA4RDX	KO4OTI
KB4WNT	KO4UZO	WA3RFE	KF4KPM	KQ4AYK
KF4LIK	N1YBH	WB4VVY	N3UZ	C. Kriaris
KI4PRU	N4CE	WD4GXD	KJ4WRE	T. Kriaris
KJ4CIW	N8KSG	WD4MKU	N4RFX**	N4RRA
KN4BBA	W4AYO	WA4WGY	KN4ODM	KK4IFG

Honorary members:
W4WBP

Please consider **renewing** your membership AND sharing the membership application with non-member local hams. Membership is open to all licensed amateurs. Dues are \$25 annually. To join, fill out the application below or speak with any of our members or officers for more information. Here's the link to the membership application: **[Membership Application](#)**

This newsletter is published monthly by and for the members of the Rockingham County Amateur Radio Club. Computer / internet users should be able to click on the website links that are usually underlined. Please advise me of any change of address or mail preference. Please have all articles to me by the 1st Tuesday of each month.

73, The Editor (n4rfx.1@gmail.com)

EVENTS

Breakfast

HENRY POLLOCK MEMORIAL BREAKFAST and RCARC BREAKFAST will be held on **WEDNESDAY'S at 7:00 am at the Sanitary restaurant**, in Reidsville.

RCARC Meeting

The monthly meeting is at the Salvation Army Community Center, 708 Barnes Street, Reidsville. The meeting begins around 7:15 PM.

Club Socials

Once each quarter a social event will replace our monthly meeting, normally held on that 3rd Tuesday. The months of MARCH, SEPTEMBER, and DECEMBER, the SECOND Saturday from 6:00 to 7:30 pm (Location to be announced) prior to the social.

For the month of JUNE, that social will be held in conjunction with Field-Day.

UPCOMING HAMFESTS

Time to go out and look for a bargain and just have a good time.

08/12/2023 - 24th Annual Cape Fear Amateur Radio Society Swapfest

Location: Fayetteville, NC

Type: ARRL Hamfest

Sponsor: Cape Fear Amateur Radio Society

Website: <http://cfarsnc.org>

Cleveland County Fairground

09/01/2023 - 09/03/2023

Shelby Hamfest, ARRL North Carolina Section Convention

Location: Shelby, NC

Type: ARRL Convention

Sponsor: Shelby Amateur Radio Club

Website: <http://www.shelbyhamfest.org>

A-B Tech Community College

09/09/2023 - Vintage Radio Flea Market

Location: Asheville, NC

Type: ARRL Hamfest

Sponsor: Asheville Radio Museum

Website: <https://www.avlradiomuseum.org/>

Farmers Market Flea Market

09/23/2023 - Lexington Hamfest

Location: Lexington, NC
Type: ARRL Hamfest
Sponsor: W4PAR The Healing Springs Mountain VHF Society
Website: <http://www.w4par.org>
American Legion Complex

11/19/2023 - JARSFEST

Location: Benson, NC
Type: ARRL Hamfest
Sponsor: Johnston Amateur Radio Society
Website: <https://www.jars.net/>

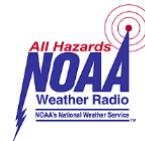


Skywarn Weather Spotters (and all amateur radio operators) encountering severe weather, are encouraged to monitor and make reports. The Skywarn website is: skywarn.org.

Blacksburg SKYWARN conducts a weekly net one Wednesday evenings at 9pm on 146.745 as well as numerous other linked repeaters in SW VA, Northern NC and SE WV. The net is available on Echolink via KF4YLM-R. All stations, regardless of prior SKYWARN training or experience, are welcome. The net provides SKYWARN spotters with information on training events, spotting tools, and severe weather potentials in the Blacksburg County Warning Area.

The full list of FM repeaters on which this net runs is:

146.745 T107.2 K1GG/R Roanoke/Poor Mtn
147.225 T100.0 KF4YLM/R Lewisburg, WV
145.130 T103.5 N4VL/R Galax/Mt. Airy
145.410 T103.5 N4VL/R Roanoke/Poor Mtn
444.600 T103.5 N4VL/R Pulaski
147.420 T103.5 N4VL/L (simplex) Big Walker Mtn / Wythe Co.



NOAA WEATHER RADIO BANDS **CHANNELS - FREQUENCIES - S.A.M.E. Codes**

162.400 MHz WXL42 WINSTON-SALEM NWS PIEDMONT AREA
Rockingham County, N.C. SAME code: 037157

162.475 MHz WXL60 BLACKSBURG NWS ROCKINGHAM COUNTY
Rockingham County, N.C. SAME code: 037157

All stations listed for travel (in MHz):

162.400	162.425	162.450	162.475	162.500	162.525	162.550
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A nation-wide network of radio stations broadcast continuous weather information from nearby National Weather Service (NWS) offices. You can get weather 24 hours a day. NOAA weather radios are the best way to receive warnings from the NWS. It is best to have a battery back-up and Specific Area Message Encoder (SAME) that will alert you when a watch or warning is issued for Rockingham County, N.C. (037157). Complete information is at NOAA's website: [nws.noaa.gov/nwr](https://www.nws.noaa.gov/nwr). For current weather forecasts on the internet, go to NOAA's National Weather Service website: [weather.gov](https://www.weather.gov). Weather forecast on a mobile device: mobile.weather.gov or cell.weather.gov

RCARC CLUB NETS

Monday 8:30PM RCARC 2-meter FM net 147.345 MHz 103.5
 This club net is a weekly meeting for announcements, business, and comments. Check-ins will be taken in analog (FM) mode. Please make it a priority to check into our net.
 You can now check-in via **EchoLink**, just search for **W4AYO-R** in your EchoLink app.

Thursday 8:00 PM RCARC System Fusion Ragchew, 147.345 MHz, C4FM mode
 This is a weekly informal net conducted in Yaesu C4FM digital mode to promote its use.
Please put your radio in fixed C4FM "VW" Mode

AREA NETS

- Sunday 8:00pm Sherrills Ford, NC 50.150, no tone
- Sunday 8:30pm Southern Alamance Net 146.670, no tone
- Sunday 9:00pm Greensboro News & Info Net 145.150, 100 Hz
- Sunday 9:00pm Southeastern D-Star Weather Net REF002A
- Sunday 9:30pm Central NC Traffic Net 146.820, no tone
- Monday 8:00pm Randolph County Net 147.255, 82.5 Hz
- Monday 9:00pm Lynchburg, VA 50.400, no tone
- Tuesday 8:00pm Sandlappers, Lexington, SC 50.250, no tone
- Tuesday 8:00pm Burlington ARES Net 146.670, no tone
- Tuesday 8:30pm Triad Skywarn Net 147.255, 82.5 Hz
- Tuesday 9:00pm N.C. D-Star Net (W4GSO) REF054C or 442.86250
- Wednesday 8:00pm Roanoke Amateur Club Net 146.985,107.5Hz
- Wednesday 8:30pm Forsyth County ARES Net 145.470, 100 Hz
- Wednesday 8:45pm Greensboro Amateur Society Net 145.250, 88.5 Hz
- Thursday 8:00pm Pink Hill, NC 50.200, no tone
- Thursday 9:00pm Guilford County ARES Net 145.150, 100 Hz
- Saturday 8:00am Wake Forest, NC 50.200, no tone

Daily Nets

- 5:30am Possum Trot Net 147.225, 82.5 Hz

- 8:00am Richmond 6 Meter Net 50.215, no tone
- 2:30pm Vag-A-Bon Net 145.470, 100 Hz
- 7:30pm Tarheel Emergency Net (ARES) 3.923 LSB
- 7:30pm Piedmont Triad Traffic Net 145.250, 88.5 Hz

OTHER AMATEUR RADIO NEWS THAT MAY BE OF INTEREST

SILENT KEY: TEN-TEC CO-FOUNDER JACK EDWARD BURCHFIELD, K4JU

PAUL/ANCHOR: The co-founder of a popular US-based ham radio equipment manufacturer has become a Silent Key. According to an online obituary, Jack Edward Burchfield, K4JU, who created Ten-Tec with partners Albert Kahn and Tom Mitchell in the late 1960s, died on July 15th in South Carolina. The original line of products carried by the company were of his design, as were many other products that were developed in the years afterward.

Jack distinguished himself as an amateur radio operator as well as a businessman. He was inducted into the Amateur Radio Hall of Fame in 2004. For years, the Smithsonian Museum of American History in Washington DC had many of his radios on display.

Jack was 88.

(AMATEUR RADIO DAILY, KNOXVILLE NEWS SENTINEL)

FCC PROPOSES FREQUENCY PRIVILEGES FOR COMMERCIAL SPACE LAUNCHES

PAUL/ANCHOR: Commercial space launches would enjoy some new and expanded allocations on the spectrum under rules proposed by the US FCC Chairwoman Jessica Rosenworcel. A new allocation would be established for these operations on a secondary basis on frequencies between 2025 and 2110 MHz. They would also gain use of the part of the band between 2200 and 2290 MHz, where they have privileges on a secondary basis. The proposed change here would expand access from four-channel to full access. Finally, the proposed rules would permit federal space stations' use of the allocation between 399.9 and 400.05 MHz. A press release from the FCC called the announcement the latest initiative to be taken through the agency's Space Innovation agenda.

The FCC chairwoman said that the new rules would ensure stable and reliable communications for private companies as they transport astronauts, launch and operate satellites and explore space.

(FCC)

NYC POLICE JOIN MOVE TO ENCRYPT RADIO SIGNALS

PAUL/ANCHOR: Police in New York City are the latest to join the move among municipal law enforcement to encrypt their radio transmissions, as we learn from Neil Rapp WB9VPG.

NEIL: Amid calls of protest from the news media and from local New York City officials, the New York City Police Department has begun encrypting its radio transmissions, following a practice taking place at police departments around the United States. Six police precincts in northern Brooklyn were the first to implement the use of encrypted transmissions recently, and the NYPD confirmed to various

media outlets that more are to follow. In response, members of the New York City Council issued a statement on July 28th saying, in part: [quote] "Transparency is key to achieving and maintaining public safety. It is troubling that the NYPD began encrypting its radio system without an adequate transparency plan implemented first, which can jeopardize the safety of New Yorkers. Journalists, volunteer first responders, and other key stakeholders across diverse neighborhoods rely on the system to help keep people safe and deliver important information." [endquote]

Police radio transmissions have traditionally been transparent and first responders, members of the media and others often monitor scanners to learn what is going on.

New York City's change to its police radios follows similar actions in California, Colorado, the city of Chicago and elsewhere.

An NYPD statement defended its decision by saying, in part: [quote] "The safety of our first responders and the community at large will always remain our top priority. From preserving the integrity of active crime scenes to restricting those who intentionally transmit on police frequencies to disrupt emergency communications, there are many reasons encryption is vital." [endquote]

This is Neil Rapp WB9VPG.

(AM NEW YORK, RADIO TELEVISION DIGITAL NEWS ASSOCIATION, NYPD)

If you would like to LISTEN to the latest edition of Amateur Radio Newline Report here's the link:

<https://groups.io/g/ARNewsline/attachment/1278/0/news.mp3>