



ROCKINGHAM COUNTY AMATEUR RADIO CLUB, INC.



President
Tim Walker
WD4GXD

Vice-President
Roger Joyner
W4AYO

Treasurer
Jim Clark
N1YBH

Secretary
Furman Lanier
WD4MKU

The RockingHAMmer News

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PRESIDENT'S CORNER

There is no scheduled club business meeting in September. Instead, a social gathering this month, September 10th, 6 PM at the Freeway Dining Room, 1447 Freeway Drive. The next club business meeting is scheduled for October 18th when we will have a report from the 2023 officer Nominations Committee.

Tim Walker
WD4GXD
2022 president

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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

The meeting was opened by President Tim Walker, WD4GXD, at 1915. Intro's were bypassed and the program was presented by Paul, N4CE, on Messi and Paoloni connectors and coax. Then a video of installing the connectors on the coax cable by K8MRD.

The minutes were read by Furman, WD4MKU and the Treasure report was presented by Jim, N1YBH.

There was a discussion on reports of noise on the 147.345 repeater in the mornings. It was determined that a watch would be continued to see if the noise continued. The repeater site had been mowed since the last club meeting.

September Social is to be scheduled by Terry, KF4KPM and announced on the Monday nets.

The selection committee for 2023 club officers was announced. They are Roger ,W4AYO, and Paul, N4CE. If you would like to run for any one of the 4 officer positions or know of some one who would make a good candidate please let Roger or Paul know.

Meeting closed at 1950.

Used Equipment for Sale

Club member Bryant Pearce is selling his amateur radio gear. Listed below are the items and they are in good working condition. There might be power supplies, speakers, mics, etc so feel free to reach out and ask them what if anything goes with each piece of equipment.

Kenwood 930S \$400

IC 271 \$225

Yaesu 8800R \$275

Yaesu FT 60R \$100

Call Viola and Bryant at 434-250-6216 to purchase or if you have questions.

Josh W4JLN Equipment For Sale

Sold together: Yaesu FT-450D + Signalink USB (configured for the Yaesu)
\$450 - cash only and club members only, please.

They can email me at this address: qso@w4jln.us
- Josh W4JLN

More Equipment for Sale

I don't know if you have heard anything about this, but there's a lady whose husband, a ham, recently passed away. She wants to get rid of some of his equipment. I checked it out last Sunday and this is what's available.

RADIO EQUIPMENT

Beverly Lombard
336-637-4210
1960Beverly@twc.com

Icom IC-7300 about 1 year old
Icom IC-820H all-mode satellite transceiver 2m & 440 45W
2 Icom IC-T7H hand helds; not used in several years, probably no charging stand
Comet CHA250B vertical antenna 3.5-57 MHz
2 boxes assorted cables & chargers
\$1200.00 for all

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. 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.

****** 2022 Membership Drive ******

It is time for all members to renew their membership for 2022. 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 2022. Your continued support is appreciated!

Membership as of 2 Jul 2022. Family memberships * are listed by the primary call sign. Paid up for two years (2022-2023)**					
KJ4ANA	K4BYX	KF4KPM	K4RVJ	KI4PRU	K4SW5
KK4IFG	KB4WNT	KK4JSX	KF4LIK	KJ4CIW	KB4SHP
KO4SWH	KM4UHU	KN4NBH	KI4TFA*	KK4KFG	KJ4WRE
N4JRA	KN4BBA	KN4ODM	KO4OTI	KO4HLZ	KK1TLS
N4ZZC	KO4JRX	KN4YFA	N4RFX	KO4UHO	KK4KTA
W4SH	KO4KWD	KO4HMB	W4JLN	N4CE	N3UZ
W4SIX	KO4UZO	W4AYO	WB4VVY**	WA4RDX	N3WKW
WD4GXD	KX4CHB	WA3RFE	WK4O	WA4WGY	N8KSG
WF4I	N1YBH	WD4MKU			
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

It looks like we are getting back to in person Hamfests again. Time to go out and look for a bargain and just have a good time.

09/24/2022

Farmers Market Flea Market

Lexington Hamfest

Location: Lexington, NC

Type: ARRL Hamfest

Sponsor: W4PAR Healing Springs Mountain VHF Society

Website: <https://www.w4par.org/>

10/08/2022

Robinhood Road Baptist Church

Winston-Salem FallFest

Location: Winston-Salem, NC

Type: ARRL Hamfest

Sponsor: Forsyth Amateur Radio Club

Website: <http://w4nc.com>



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

SMALLER ANTENNAS, BIGGER PERFORMANCE

DON/ANCHOR: Just how small can a small antenna be? Researchers in the US are studying that challenge now, hoping to accomplish an antenna that offers economy in space without compromising performance. Neil Rapp WB9VPG gives us the details.

NEIL: A United States agency has begun tackling a longstanding challenge that comes with the use of electrically small antennas. While these antennas are space-saving assets that are noticeably shorter than the wavelengths of the signals they handle, the antennas themselves have significant limitations. As they get smaller, they lose bandwidth and radiation efficiency. These antennas have been in use for many decades and can be found, for instance, on satellites.

Researchers with the US Intelligence Advanced Research Projects Activity agency have begun a four-year project to surpass these kinds of limitations. The initiative is called the Effective Quantitative Antenna Limits for Performance program.

Program manager Paul Kolb told the IEEE Spectrum magazine that within three years, the teams must show that they have an actual antenna with a 6-dB gain in performance over existing electrically small antennas. The ultimate goal is to establish a 10-decibel gain in antenna performance in the HF and UHF bands. Kolb told the spectrum that in the last year of the project, researchers will be required to produce an antenna with the sought-after 10-db gain.

The teams are being required to validate all results with independent labs. Kolb said such antennas aren't likely to become viable for the commercial market.

This is Neil Rapp WB9VPG.

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

<https://groups.io/g/ARNewsline/attachment/1235/0/news.mp3>