



ROCKINGHAM COUNTY AMATEUR RADIO CLUB, INC.



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The RockingHAMmer News

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PRESIDENT'S CORNER

Happy July!

Hard to believe the year is half over already. We had a great field day again this year. BIG thanks to Jim N3UZ, Lynn, Bob KN4BBA, Lisa, Tony, Cathy, Furman WD4MKU, Roger W4AYO, Bob (sorry Bob, I can't remember your call sign) for all the food, fun, fellowship, logging, and radio operation done.

Results this year were better than last year.

<u>2023</u>	<u>2022</u>
CW = 208	CW = 113
Digital = 183	Digital = 114
Phone = 66	Phone = 40
Total points = 848	Total points 494



Roger (W4AYO) and Furman (WD4MKU) operating SSB



Mike (WA3RFE) operating FT8 Digital



Paul (N4CE) and Pascal (AC7N) operating CW

I look forward to seeing everyone at the next meeting on 7-18 at 7:15 pm at the Salvation Army on Barns Street.

Take care.
Mike WA3RFE

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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

No minutes since it was Field Day and Social month.

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.

**** **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.

07/29/2023 - WCARS Hamfest

Location: Waynesville, NC

Type: ARRL Hamfest

Sponsor: Western Carolina Amateur Radio Society

Website: <http://wcars-club.org>

Cumberland County Shrine Club

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.avradiomuseum.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. For current weather forecasts on the internet, go to NOAA's National Weather Service website: 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

STUDY CONFIRMS EMISSIONS FROM SATELLITE CONSTELLATIONS

PAUL/ANCHOR: According to a new study, those tiny low-earth orbit satellites may be delivering something unwanted and much less attractive than broadband internet access. Jim Meachen ZL2BHF has the details.

JIM: Large satellite constellations that provide detailed Earth imagery as well as broadband internet access to some regions have been shown to emit unintended electromagnetic radiation that may prove a challenge to radioastronomers' research. Scientists at the Max Planck Institute for Radio Astronomy in Germany report that interfering signals appear to come from the electronics on board a number of SpaceX satellites. Writing in the journal *Astronomy & Astrophysics*, the researchers said they made the discovery using the facility's Low Frequency Array telescope. They drew their conclusions after observing 68 of the satellites in low earth orbit.

The report's lead author, Federico Di Vruno, said [quote] "This study represents the latest effort to better understand satellite constellations' impact on radio astronomy." [endquote] The scientist said that the most recent observations confirm there is a measurable existence of the radiation.

This is Jim Meachen ZL2BHF.

SCOUTING'S GIRLS, BOYS ON AIR FOR NATIONAL JAMBOREE

PAUL/ANCHOR: July is Scouting Jamboree month and this year it's for girls as well as boys in the American section of the worldwide scouting organization, Bill Stearns, NE4RD has that story for us.

BILL: National Jamboree is the largest outdoor educational event organized by the Boy Scouts of America. Held every four years, the Jamboree offers a program of educational and training events; high adventure activities; tests of strength and endurance; entertainment, and camaraderie with fellow Scouts from around the nation. The year 2023 will be the first National Jamboree to include ScoutsBSA female participants. The Boy Scout program was renamed ScoutsBSA when female participants were welcomed in 2019.

The K2BSA Amateur Radio Association will be active from the National Jamboree July 19th through the 28th. They will have a demonstration station where Scouts can get on the air and radio merit badge classes throughout the event. The operation was funded by a grant from the ARDC and powered by Icom America transceivers.

You can participate in this event by being the amateur on the other end of the call. Help Scouts earn their contact cards and complete a requirement for their merit badge. K2BSA will be active minimally from 8 a.m. to 5 p.m. Eastern time on 40m through 10m as conditions permit, on D-STAR REF033A, and on Echolink on *JOTA-365*.

For Amateur Radio Newsline and the K2BSA Amateur Radio Association, this is Bill Stearns, NE4RD.

CLOSE ENCOUNTERS OF THE RADIO KIND

PAUL/ANCHOR: Do you believe in Unidentified Flying Objects? Well whether you do or you don't, as long as you believe in amateur radio, you'll be interested in our final story this week, which comes to us from Kent Peterson KCØDGY.

KENT: It's no secret that Pete Guldán KDØSQJ and his fellow club members in the Midwest have been seeing flying saucers for quite some time. The flying discs hover with great tenacity on the landing page of the website for NØFOO, which identifies the Minnesota group by its formal club name: Hams of Insignificant Value.

Ah, but the amateurs' true worth is actually as great as the universe itself - and thanks to these hams, visitors in a nearby Wisconsin village are about to have a close encounter of the radio kind.

The village of Elmwood considers itself the UFO capital of the state, based on residents' claims of having had so many sightings over the years. It is therefore not insignificant that for the first time in the festival's 44-year history, there will be sightings of amateur radio operators calling QRZ on the HF bands. They bring a message of peace: "Take me to your feedline." The club will have operators on the air with the club callsign NØFOO from July 28th to the 30th.

Let's face it: Having radio amateurs at a UFO festival is proof that there is indeed intelligent life on this planet.

Be listening, from anywhere on earth - or even beyond.

This is Kent Peterson KCØDGY.

If you would like to LISTEN to the latest edition of Amateur Radio Newsline Report here's the link:
<https://groups.io/g/ARNewsline/attachment/1277/0/news.mp3>