



ROCKINGHAM COUNTY AMATEUR RADIO CLUB, INC.



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The RockingHAMmer News

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PRESIDENT'S CORNER

Greetings;

Did you enjoy the 2022 ARRL Field Day event on June 25-26? Thanks to both Jim (N3UZ) and Lynn (N3WKW) for graciously allowing us to occupy their homestead for Field Day. Also, thank you everyone that participated with your equipment, food and participation at this year's event. Our next scheduled club meeting is July 19th at the Salvation Army Community Center, 708 Barnes Street, Reidsville. The meeting begins around 7:15 PM. Ralph (N4RFX) is preparing a presentation on the value of ham radio in assisting emergency response organizations. See you at the meeting!

Tim Walker
WD4GXD
2022 president

NEWSLETTER CONTENTS

PAGE	CONTENT
1 - 2	President's Corner
2 - 3	Club News & Meeting Minutes
3 - 4	VE News
4	Events
5	Skywarn, NOAA / NWS
6	Net Information
7 - 9	General Amateur Radio News

***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 for June since it was Field Day and a normal social month.



Mike, WA3RFE, operating the digital station on an end-fed half wave antenna.

Field Day 2022



Paul, N4CE, operating the CW station on a Steppir vertical antenna.



Charlie, KO4OTI, learning electronic component soldering.

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.

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.

**** 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	K4SWS
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

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.

7/16/2022

49th Annual Cary Mid-Summer Swapfest

Location: Cary, NC

Type: ARRL Hamfest

Sponsor: Cary ARC

Website: <https://caryarc.org/>

07/23/2022

Smoky Mountain Event Center (Heywood County Fairgrounds)

WCARS Hamfest

Location: Waynesville, NC

Type: ARRL Hamfest

Sponsor: Western Carolina Amateur Radio Society

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

08/13/2022

Cumberland County Shrine Club

23rd Annual Cape Fear Amateur Radio Society Swapfest

Location: Fayetteville, NC

Type: ARRL Hamfest

Sponsor: CapeFear Amateur Radio Society

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

09/02/2022 - 09/04/2022

Cleveland County Fairground

Shelby Hamfest, ARRL North Carolina Section Convention

Location: Shelby, NC

Type: ARRL Convention

Sponsor: Shelby Amateur Radio Club

Website: <http://Shelbyhamfest.com>

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 . 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

EXPERIMENTAL TRANSCEIVER NEEDS NO BATTERIES

DON/ANCHOR: A laboratory in Tokyo is the scene of some innovative work on a transceiver that doesn't rely on batteries. Kent Peterson KCØDGY brings us the details.

KENT: Researchers in Japan are working on the prototype of a transceiver that is able to receive power wirelessly at the same time it sends and receives data, according to a report in the IEEE Spectrum.

Scientists at the Tokyo Institute of Technology believe the 64-element millimeter-wave-band phased-array transceiver could become the first of its kind that no longer is dependent on cables, plugs or batteries.

The IEEE Spectrum article said Atsushi Shirane delivered the research results in June at an IEEE symposium in Honolulu, Hawaii. He said that the transceiver, which has a 64-element phased array of antennas on its front side, is capable of short transmission distances and is able to receive power from a fixed direction. It also contains a circuit board on the back where four RF integrated circuit chips are wired into one of four quadrants containing the antennas.

Shirane said the initial goal is for the transceiver to be used in 5G service. He told the Spectrum [quote] "We aim to expand the technology as a batteryless 5G relay transceiver to extend the service area coverage of millimeter-wave 5G communications." [endquote] He said after DC power generation is increased, scientists hope to find a way for the transceiver to be used with battery-free devices tied to

the Internet of Things.

For Amateur Radio Newsline I'm Kent Peterson KCØDGY.

TRADITIONAL CW CELEBRATED DURING 'NIGHT OF NIGHTS'

DON/ANCHOR: Listen up: Commercial Morse Code is about to return to the air, if only for a night. Randy Sly W4XJ explains.

RANDY: In the early years of the 20th century, there was nothing more reassuring for a lonely radio officer on a storm-tossed ship than the response of a coastal station to their call. The last of these Morse messages was sent on July 12, 1999. On that date, the founders of the Maritime Radio Historical Society established their organization with the specific goal of returning coast station KPH to the air as a means to honor the men and women who made the profession of radiotelegrapher one of honor and skill. On July 12, 2022, the MRHS will hold its 23rd annual Night of Nights, commemorating the tradition of commercial Morse code once thought dead.

Each July 12th, since the year 2000, transmitters are brought online for this special event from the original Marconi/RCA transmission site in Bolinas, California. KPH and KFS will be operating on assigned commercial frequencies while K6KPH will be operating on several HF amateur radio bands. For operational times, frequencies and QSL information, please check the Maritime Radio Historical Society website at radiomarine.org.

(MARITIME RADIO HISTORICAL SOCIETY)

Newsline's Randy Sly, W4XJ reporting.

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POTA OPERATORS UPLOAD OWN LOGS

DON/ANCHOR: Hams active in Parks on the Air received upbeat news on the POTA website recently: From 1200 UTC on July 1st activators have been able to upload their own logs rather than rely on regional volunteer coordinators to do so. Hams logging onto the POTA site should now see a menu option called "My Log Uploads." The feature became active on July 1st, following a period of successful beta testing. Posting on the website QRPer, Thomas Witherspoon, K4SWL, said the option was a welcome change for activators.

The system update comes just in time for the POTA Annual Support Your Parks Plaque Event on the 16th and 17th of July where there will be shields to be won for various classes of operation.

(POTA)

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/1225/0/news.mp3>