

Ham Chatter



Volume 57 Issue 10

An Official BARC, W4AMC, Publication

October 2023

Editor, Mark, KG4GVJ

Email: hamchatter@w4amc.com

BARC Elections in November!

Looking for Volunteers and nominations this October for the 2024 Board positions. Please consider it, goes a year for most of them, you can go longer if you find you don't mind doing it.
Need a Secretary and a VP.

Club Call Sign W4AMC

W4AMC has been renewed after dealing with the issues the FCC website had and slow emails. Good Job!

BARC General meeting Sept 12, 6:00pm in person and ZOOM All members, families and guests are invited to attend.

Sheppard Memorial Library
530 Evans Street, Greenville, NC.
Access is at the parking lot.

October 10,

Speaker:

Dale Burmester

About FT8 Digital mode.

November 14,

Elections of BARC Board members

Speaker:

Scott K9SPJ, Getting the most out of local repeaters



MS Bike, New Bern 2023
Amateur Radio operators supporting the event

BARC Board Meeting - Oct 24, 2023. The meeting will be on ZOOM at 7:00 PM. All members invited. See Zoom information.

Dues due January 2024 for BARC

Speakers

October 10, 2023 Speaker Dale Burmester about FT8 Digital mode.

Dale Burmester, KA9SWE, has been a ham radio operator since 1985 and has held an Amateur Extra license for the last decade. Dale made his first digital mode HF contact using PSK31 in 2009 and continued on his HF digital mode journey using JT65 in 2010, JT9 in 2013, FT8 in 2017, and FT4 in 2019. The KA9SWE log-book contains over 28,000 entries with LOTW confirmed 5 Band Worked All States and 202 DXCC contacts. A Kenwood TS-480SAT running 25 Watts or less into a vertical multi-band antenna is responsible for the majority of those contacts. In 2015, Dale placed 1st in the CQ WW 160m DX contest "Single Operator - Low Power - WI" category. The KA9SWE shack runs Ham Radio Deluxe, WSJT-X, and JT-Alert on a Windows 11 PC. Dale is also a registered professional engineer in the state of Wisconsin and manages the Economic and Stakeholder Planning team at ATC (<https://atcllc.com>).

ARLX011 Amateur Radio Volunteers Needed for Marine Corps Marathon

The 2023 Marine Corps Marathon (MCM) will take place on Sunday, October 29 in Washington, D.C., and Arlington County, Virginia at 7:55 AM EDT. The MCM Ham Volunteers team is looking for 150 amateur radio operators to support the event by providing racecourse situation reports.

The Marine Corps Marathon, also known as the People's Marathon, expects to support more than 29,000 runners at this year's event.

[Amateurs can register to volunteer](#)

The mission of the MCM is to showcase physical fitness and generate community goodwill to promote the high standards and discipline of the Marine Corps. Annually ranked as one of the largest marathons in the US and the world, the MCM has been recognized as the "Best Marathon in the Mid Atlantic," "Best for Families," and "Best for Beginners."



Public Service Event Help Needed

Hello,

Ham Public Service North Carolina is providing communication support for the Carolina Tarwheels Bicycle Club fundraising ride taking place in and around Hillsborough, NC a week from today, Saturday, October 7, 2023. We need additional help to cover the ride's four routes (35,44,62, and 100 miles) and 5 rest stops. If you can help with this event, either as a mobile station to follow the riders on one of the routes or as a rest stop station, please let me know by Wednesday, October 4, 2023. Sign up on our website www.HPSNC.org where you will find information about the event and volunteer requirements.

If you don't have a mobile radio but still would like to volunteer, we will lend you a pre-programmed dual-band mobile radio to use for the day along with an antenna and battery pack. The equipment can be used in your vehicle or at a rest stop.

First time volunteering? No problem. It's not hard and we'll show you the ropes.

Come on out and lend a hand for a worthy cause and spend a day with us on the air. If you have any questions, give me a call or send me an email.

Thank you.

73,

Jeremy K2HJX
HPSNC Coordinator
919-523-9631
K2HJX@att.net



VE News

To find the next VE testing session please go to the ARRL web site: <http://www.arrl.org/find-an-amateur-radio-license-exam-session> and find one in your local area.

Practice taking the test on line with <https://www.hamradiolicenseexam.com>.
www.hamradioPrep.com
HamStudy.org

Study material at: <http://www.arrl.org/courses-training>.

The contents of this Newsletter doesn't necessarily express the opinion or views of Brightleaf Amateur Radio Club or it's members. No offence is intended.

Happy Birthday

Brightleaf Amateur Radio Club members birthdays :

10-02	AC4PW	Martin
10-19	N4DN	Donald
10-28	K4BMH	Byron
10-31	K4ZYD	Terry
11-03	AF4QY	Bob
11-08	KD4NHZ	Walter
11-11	W4EJ	Dave
11-13	N8CQD	Bill
11-18	KN4LVD	Daniel

Please let me know of any additions or corrections. If yours is missing, I don't have it! Email hamchatter@w4amc.com

Next VE Session

Please bring to the Test the following, required:

- Photo ID (drivers license)
- Original Amateur Radio License
- Copy of Amateur Radio License
- Original CSCE's
- Copy of CSCE
- Test fee (Cash) .
- ◆ FRN number is required. *
- ◆ A valid Email address will need to be provided.

See this link for further information: <https://w4amc.com/get-your-license-ve/>

Gil Cartoons Courtesy of ARRL's 2021 Calendar(2020) and Gil, a Collection of Classic Cartoon from QST(1986-2007)

Articles in the Chatter may be from the ARRL Newsletters, ARES Newsletters and Section Managers. Others may be Material provided by others. Please respect possible copyrights.

Well Wishes

Thoughts and Prayers go out to the following:

Judy W3JUJ and the lost of her home to a fire. <https://gofund.me/3a048969>

Congrats to Anna Grace KQ4KVB, past her Technician test. Only person with Down Syndrome known as a Licensed Ham.

Please inform the Vice President and Ham Chatter of any changes or needs. This can be of death announcements, sickness or prayers requested.

Presentation Ideas Needed

Please send ideas of new presentation topics and presenters to our VP Judy W3JUJ
Email: info@w4amc.com

BARC Needs YOU!

BARC needs to know where You think we should go as a Club.
Service the Community, Contesting, Teaching, Elmering, What? Give us your thoughts.

In This Issue

Presidents Corner - KN4FZB	5
BARC Board meeting	6
Presidents Corner—NG9T	
Greetings from High	13
Yabba and other Clubs	26
ARES/EmComm	31
Columns from the Past or new postings	18
W1AW Operating	
ARRL Emails, News and Radio in the News	38
Antenna 40/20	18
Hurricane Resources	48
Nets:	48
Ham AD's	51
BARC & PARC Calendar of Events	53

PUBLISHED MONTHLY BY THE BRIGHTLEAF ARC, P. O. BOX 8387, GREENVILLE, NC 27835 * NON-COPY - RIGHT MATERIAL CONTAINED HEREIN MAY BE REPRINTED WITHOUT PRIOR PERMISSION WITH CREDIT GIVEN TO THIS PUBLICATION * PRESIDENT - Beth, KN4FZB * 1ST VICE PRESIDENT - Judy, W3JUJ * 2ND VICE PRESIDENT - Vacant * SECRETARY - Vacant * TREASURER - Dave W4EJ * VE LIAISON - Vacant * PUBLIC RELATIONS/PUBLIC SERVICE COORDINATOR - VACANT * W4AMC/W1VOA/W4UHS TRUSTEE'S - BILL, WA4SLC and Scott, K9SPJ * HAM CHATTER EDITOR - MARK, KG4GVJ * WEBMASTER - PETER, N4PVH * EMAIL ADDRESSES ON BARC WEB SITE * EmComm—Judy, W3JUJ * QSL Manager—Rich., W4JNC * OPINIONS BY WRITERS MAY NOT NECESSARILY BE THAT OF THE BRIGHTLEAF ARC * CONTRIBUTIONS ARE TAX DEDUCTIBLE. .

BARC's President's Corner, Beth, KN4FZB



Hello ham friends,

For the October President's Corner, I'll give you a summary of the Bike MS event in New Bern, where I (and a few other BARC members) have volunteered for the past three years.

The two day event is a fundraiser for the Multiple Sclerosis Society with bicyclists raising money by cycling either a 30, 50, 75, or 100 mile loop. We show up fully charged, stocked with batteries, snacks, headsets, hats, and whatever we might need for the day. The ham volunteers are assigned as SAG (safety and gear) drivers or at rest stops along the way. We also happen to have a motorcycle ham and a physician ham who rove the course. Our responsibility is to ensure the safety and comfort of the riders. We help make sure that riders who have an accident or mechanical trouble get transported to the next rest stop, that lost riders get found, that riders showing signs exhaustion are monitored. A few of the riders have MS themselves, and we make an attempt to encourage and monitor them even more diligently. Once a SAG reports all the riders to be past a rest stop, it can be closed and the volunteers relocated to work at stops with incoming riders. We also might help hand out food or sunscreen, sweep debris off the road, or other small jobs that don't take us away from our radios. This year, most everything went smoothly. We had one rider who took a spill that knocked her unconscious, and one close to heat exhaustion, although both incidents were resolved without further complications. Last year, a storm came and the course had to be cleared midway through on Sunday. That was quite a feat put on my our net control, lots of moving parts to keep up with.

We use the Grantsboro repeater, and most stops are able to get in with a handheld. There are a few spots that need a few more watts and a larger antenna. During the last event, there was a local non-ham experimenting with some radio equipment and it was causing interference. A local ham was able to DF him and make contact, explain that he was interfering, and get him to stop. Hopefully we can turn his interest to getting licensed and recruit him as a volunteer in the future.

This is a great event, very well organized, and the riders always express appreciation for our support. It's always a wonderful opportunity to share some information about the hobby and spread some goodwill. Consider joining us next year. It's always the second weekend in September and we would love to see you there.

BARC Board Meeting on Zoom 9/26/23**Voting Board members: (need 4)**

- President: Beth KN4FZB,
- o V.Pres: Judy W3JUJ,
- Secretary: Peter N4PVH,
- Treasurer: Dave W4EJ,
- o Trustee #1: Bill W4SLC
- Trustee #2: Scott K9SPJ

Non Voting Committee Members:

- VE Liaison: Gerald, KN4CKL
 - Webmaster: PVH, N4PVH
 - Ham Chatter Editor: Mark Raysin, KG4GVJ
 - Susan Jones, WA4AKB
 - Dave Langley W4YDY (OM)
- o NOT PRESENT:
- o Public Relations/Historian: Sherry, KE4LZE
- QSL/Equipment: Richard, W4JNC

Items for discussion:**—Announcements—**

Scott to pick up the mail at the POB.

Daryl to discuss his POTA adventures at a meeting (to be scheduled)

Echolink is on 147.090 repeater WD4JPQ was off line last week due to maintenance but now is back on.

Repeater 145.350 is digital with System Fusion on WiresX, Branmeister. Check web page <https://PCRA.US>

PCRA will be having a meeting to elect officers on Oct 29, 2023.

New Blog on <https://w4amc.com> about the Asheville Radio Museum.

— Reinstated Call sign —

W4AMC, done next reinstating in 2033

W4UHS due 1/2026

W1VOA due 4/2028

— Next Board Meeting—

October 24th at 7pm

— Elections—

Nominations needed at the October meeting 10/10/23

Elections at November meeting 11/14/23 (no hanging chads please)

Need volunteers for Secretary, VP, Public Relations

Need VE volunteers for testing.

Incumbents:

Officers: President, Trustees x2, Treasurer,
Positions: Ham Chatter, QSL/Equipment, VE Liaison

— YEAR END PARTY—

Christmas Party is @12/11/23 at 6 pm at Immanuel Baptist Church, confirmed. Thank you **Mark**

—TREASURER REPORT—

Dave: Checking last time: 3819.75 New expenses: -35.00

Peter: Expenses, upcoming: Upgrade battery & solar to trailer. Need estimate pending.

—TAXES—

Terry IRS Filing for club.

—TRUSTEE REPORT—

In the future, documents should be kept in the BARC file box passed to the president when elected. FCC account and PW **Scott** has access to FCC and renewal account access uses "info@w4amc.com" for notifications from FCC.

Judy working on January 2024 meeting speaker as this year is full (check the web page). Possibly **Bernie** WA4MOK on Portable Antennas. Pending talks: Murray Adams, Sky warn talk... no dates

Scott to do Local Repeater talk in November CONFIRMED: "Get The Most out of Local Repeaters"

—MEETING IDEAS—

Could do a vertical antenna test vs dipole at picnic meeting.

Or do a fox hunt.

Beth BARC purchased Fox, and was used at the picnic with great fun, Member needs attenuators, antennas and HT. **Beth** to look at attenuators and tape measure antennas that we can build at a meeting. N4PRS.org for fox hunting locally, **Beth** to contact them for advice on fox hunting.

Need to get a speaker on use of IC7300 especially before FD. so that members understand how to use radios. Contact Icom sales person Will Jourdain AA4WJ — **Beth** to contact him.

Check YouTube for video on "IC7300 Beginner's Guide" etc...

Peter suggested looking into speaker to talk about SDR-Play digital receivers that can provide spectrum scope and decode digital signals. Inexpensive computer dongles that provide new functionality.

Peter: Need to check out WIREX web page about building inexpensive kits from QRP transceivers to keyers and other interesting circuits. He provides online help in the form of a build-a-thon. He connects to the meeting by zoom and we are building stuff. He explains the workings and trouble shoots our building problems right during the meeting. Kits are inexpensive like \$20.

Check web page: <https://www.qrpme.com/>

—INSURANCE—

Beth to search for liability insurance at FD (like tower climbing) and equipment coverage, ARRL? Ask **Dave**. what we had last year, find old documents. No current coverage.

—SATURDAY AFTER BREAKFAST MEETING—

Peter's Farm: October 14th after Saturday breakfast, Visit the farm and try out vertical antennas, Hexbeam, antenna analyzers etc. October 14th Sat right after breakfast at Great Harvest Bread Co. **DAVE** to bring ser-

vice monitor and other equipment to measure effective radiation and compare antennas.

—**Ham Chatter**—

Mark: New edition in process

Need articles and event reports to be included in newsletter.

Susan visited Shelby Hamfest Report.

Respectfully submitted, Peter N4PVH



Gary NG9T's PARC President's Corner



*Sorry, Nothing this month due to surgery. Check in next month.
73 (Editor)*

Pamlico Amateur Radio Club Meeting Minutes**September 14, 2023****Call to Order:**

President Gary NG9T called the meeting to order at approximately 7:00 pm with 9 members present in person and 1 guest by Zoom,

Pledge Allegiance:**Meeting Minutes:**

Scott K4WSP 1st motion to accept meeting minutes Tom WT4TK 2nd

Treasurer's Report:

Available United Bank balance is \$3,207.31.

Repeaters:

Bath Repeater is too low on the tower and some additional equipment. Proposal to be offered by Al K4GOE and Wayne KB1WE. Discussion was had on the possibility of making the Washington Repeater the main repeater and have it linked to the Columbia Linking Net. Al K4GOE and Wayne KB1WE are going to work on solution and put together a plan to possibly link the Bath and the Washington repeaters.

VE Examinations:

No one has registered to take the exam as of this meeting. The next exam date is November 11th, 2023 at EOC. One person registered already.

Field Day 2024:

Committee to meet on September 20th at VFW Hall and plans to survey the area. (Scott K4WSP, George AG8AR, Cheryl KX4EC, Gary NG9T, Al K4GOE committee)

Business:

Statewide POTA activation September 9, 2023. Bath and Goose Creek both activated. George AG8AR brought his new trailer and the new multiband antenna (Scott K4WSP & George AG8AR) Both POTA Sites were officially activated, with 18 QSOs at Bath and 12 QSOs at Goose Creek.

Reminder Christmas Party will be held at Wayne's KB1WE house December 14th

HF/DX: POTA Saturday:

Contacts in Germany, USS Razorback Submarine (Arkansas) & USS North Carolina (Wilmington, NC)

Ham Fests & Contests:

Please reference ARRL Contest Corral, also the WA7BNM Contest Calendar at www.contestcalendar.com

Maysville October 8 @ Maysville Community Bldg 703 8th St 8 am to 3 pm

2m net:

Every Thursday of the month 8:00 pm unless Tom WT4TK called for Aug/Sep 4-7 check-ins Sep/Oct Scott K4WSP

80m net:

Every Tuesday at 7:00 pm Tom WT4TK and Gary NG9T subbing for Dave W3DET for Aug/Sep 7-11 check-ins Sep/Oct Scott K4WSP

Next Meeting:

Will be held on October 12, 2023 7:00 pm @ Zion Episcopal

Next VE Session:

Will be November 11, 2023 Test starts promptly at 10:00 am @ EOC

September Refreshments:

Were provided by Marcian KC4TOI, Cheryl KX4EC

October Refreshments:

Will be provided by Marcian KC4TOI, Cheryl KX4EC

50/50:

\$35 collected David KQ4HEX won and donated his half to the club or to family of local ham.

Program:

Riley Hollingsworth former FCC Chairman

Respectfully Submitted,

Cheryl KX4EC

PARC Secretary/Treasurer

THE RADAR MAN

This If you should see upon the street
A man who walks with dipole feet,
With a train of little pips behind,
He's a radar man with a micro mind.

With microseconds and microwaves,
And microvolts he fills his day,
Thus in the course of time we find
His brain has shrunk to a micro mind.

His eyes give out a neon gleam,
His ears fan out like a radio beam,
As he chews, his molars oscillate,
And his heart pumps blood at a video
rate.

man obtains with passing years,
Infinite impedance between his ears.
At last he succumbs to a heavy jolt,
When he gets what he thinks is a
microvolt.

The Doc looks up from his microscope,
And says to his nurse, behold this dope,
No trace of brain cell can I find.
He's a radar man with a micro mind.

(As a former FAA radar technician, the
above is printed without comment and no
smart remarks expected!) - W4YDY

GREETINGS FROM THE HIGH COUNTRY

Sept. 11, 2023

In the past week, we have had weather which varied from beautiful and clear and near perfect, all the way over to severe weather marked by significant amounts of lightning and thunder including flash flood warnings in locations from the High Country, with the jumble of weather alerts extending all the way over to the eastern edges of the Piedmont.

A few leaves have changed color and the wind caused some leaves to fall to the ground.

FCC MATTERS

On August 30, the FCC issued a special temporary waiver that allows stations involved in emergency hurricane-related traffic to use Pactor 4. The waiver is in effect for sixty days. Information can be found at <https://na01.safelinks.protection.outlook.com/?url=http%3A%2F%2Farrl.org%2Fnews%2Fhurricane-idalia-fcc-approves-arrrl-petition-to-aid-emergency-communications&data=05%7C01%7C%7Ce73858252e964c3902a508dbb2fe5d2a%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C638300577776908346%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikl1haWwiLCJXVCi6Mn0%3D%7C3000%7C%7C&sdata=DD9gmPcH0TJhefEdUTirkGcyfl18iWvBs%2FkF%2BA178X4%3D&reserved=0>.

Note that the ARRL announcement states:

“The waiver, which was granted August 30, is for a 60-day relief period from the rules, based upon the immediate need related to the threat of Hurricane Idalia. It would cover use directly related to any additional hurricanes that may develop within the 60-day period. Only messages related to these hurricanes would be permitted to be sent via the higher-speed modes, and only publicly documented modes would be allowed.”

ROANOKE DIVISION TOWN HALL – SEPTEMBER 14

You are invited to participate in a virtual Town Hall which will be held at 8 -9 p.m. on Thursday, September 14, which will involve Roanoke Division Director Jim Boehner (N2ZZ), Vice Director Bill Morine (N2COP), plus Section Managers from West Virginia, Virginia, South Carolina and North Carolina. This will give ARRL members an opportunity to talk with the leaders in the Roanoke Division and the four Sections in the Division. A link to the Division Town Hall can be found at the ARRL RK Facebook: <https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.facebook.com%2Fevents%2F1508638373237618&data=05%7C01%7C%7Ce73858252e964c3902a508dbb2fe5d2a%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C638300577776908346%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikl1haWwiLCJXVCi6Mn0%3D%7C3000%7C%7C&sdata=cgDnH2urUXdyWxkGObfNptYDuuJf6c0Qv1dCuoKyJag%3D&reserved=0>.

W1AW/4

Information has been received from the Carolina DX Association concerns the upcoming W1AW/4 operation which starts on September 27 and continues for a week. Portions of the information follows.

“CDXA is again spearheading the NC activation which is from 00:00 UTC

on September 27th to 23:59 UTC October 3rd. CDXA has created a

registration form on the CDXA Website at: <https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fcdxa.org%2Fvota-nc.php&data=05%7C01%7C%7Ce73858252e964c3902a508dbb2fe5d2a%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C638300577776908346%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikl1haWwiLCJXVCi6Mn0%3D%7C3000%7C%7C&sdata=cgDnH2urUXdyWxkGObfNptYDuuJf6c0Qv1dCuoKyJag%3D&reserved=0>.

[7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6IklhaWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=QaXREEEi%2Bv8pBv6M%2BHU2EHEScpw%2FW4kJzT09RR76xi4%3D&reserved=0](http://www.w4amc.com/7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6IklhaWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=QaXREEEi%2Bv8pBv6M%2BHU2EHEScpw%2FW4kJzT09RR76xi4%3D&reserved=0) .

Any station in NC can register. Registrants choose the desired; date, time period, mode and band. For this event, ARRL limits our band/mode operations to one station on a band/mode at any given time. For example, for 20 Meter band operations, there can be only one station on CW, one station on Phone, and one station on Digital. You may sign up for any open period per day and the periods will be assigned on a first come first served basis by timestamp.

Activators will use the W1AW/4 call sign and must provide an .adi logfile to a link that will be provided to activators by me and preferably, in addition, to me also by the October 15th. I will take all of the files and generate a master log file for the ARRL. You may use any logging program capable of generating an .adi file; only electronic logs will be accepted.”. (message received from W1AJT on Sep 1, 2023, 4:30 PM.)

UPCOMING HAMFESTS

a. 09/23/2023 - Lexington Hamfest, Lexington, NC, Sponsored by the Healing Springs Mountain VHF Society, Website: <https://na01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.w4par.org%2F&data=05%7C01%7C%7Ce73858252e964c3902a508dbb2fe5d2a%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C638300577776908346%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6IklhaWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=UXsjFpa9rZD9%2FxFVEx5FtXA5Gb33D1Ajh2RzrWd3vd%2Bw%3D&reserved=0>

b. 10/08/2023 - Maysville Hamfest, Sponsored by Maysville Hamfest Assoc, Website: <https://na01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.maysvillehamfest.org%2F&data=05%7C01%7C%7Ce73858252e964c3902a508dbb2fe5d2a%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C638300577776908346%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6IklhaWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=kBX19ZqebVwPY2NdKbanT9OkSR%2Bvjc3OsQDAvKq1fIQ%3D&reserved=0>

c. October 14, 2023, Winston-Salem Fall Fest, Sponsored by the Forsyth Amateur Radio Club, Website: <https://na01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.w4nc.com%2F&data=05%7C01%7C%7Ce73858252e964c3902a508dbb2fe5d2a%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C638300577776908346%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6IklhaWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=BM70NcMpAqhDNqm0bF4ClSkToJUKRBCqNjyIjMoqo0U%3D&reserved=0>

d. November 19, 2023, JARSFEST, Benson, NC , Sponsored by the Johnston Amateur Radio Society, Website: <https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.jars.net%2F&data=05%7C01%7C%7Ce73858252e964c3902a508dbb2fe5d2a%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C638300577776908346%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6IklhaWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=vjbbE4Y10Lbfq8itUvX5cacTPy2QAeZ7ylWSpLgVcK4%3D&reserved=0>

SPECIAL CONGRATULATIONS TO KQ4KVB

Word has been received from our friends in the far southwest corn of North Carolina that Anna Grace Davis earned her Technician license in a recent test session held by the Murphy Chapter of the Western Carolina Amateur Radio Society. Anna Grace appears to be the only person with Down Syndrome known to have earned an Amateur Radio License. Congratulations, Anna Grace, on your unique achievement in earning your license.

W4DNA NC SECTION TRAFFIC NET REPORT AUGUST 2023

NET	NMGR	QNI	LISTED	PASSED	TIME	SESSIONS	TFC %
<u>SECTION NETS</u>							
CN	AA4MP	286	99	91	537	62	91.92%
CSN	KI4KZS	108	21	21	526	31	100.00%
NCEN	WK4WC	368	77	73	413	31	94.81%
NCMN	W3OJO	335	167	160	486	31	95.81%
THEN	K4SEH	221	0	0	325	17	N/A
<u>LOCAL TRAFFIC NETS</u>							
CWTN	N4CNX	328	92	92	446	31	100.00%
ENCTN	W4DNA	143	9	9	270	30	100.00%
PCTN	W4TTO	237	62	60	280	31	96.77%
<u>SPECIAL INTEREST GROUP NETS</u>							
MNN	KI4FAQ	369	0	0	335	30	N/A
<u>TOTAL</u>		2395	527	506	3618	294	96.02%

IN REMEMBRANCE OF OFFICERS, FIRE FIGHTERS AND OTHERS WHOSE LIVES WERE LOST ON SEPTEMBER 11, 2001

- 343 MEMBERS OF THE NEW YORK CITY FIRE DEPARTMENT INCLUDING FIREFIGHTERS AND PARAMEDICS
- 23 NYPD OFFICERS
- 37 PORT AUTHORITY POLICE OFFICERS
- 44 PASSENGERS AND CREW WHO DIED ON FLIGHT 93 HIJACKED AND CRASHED IN SHANKSVILLE PA
- 64 PASSENGERS AND CREW WHO DIED ON FLIGHT 77 WHICH WAS HIJACKED AND CRASHED AT THE PENTAGON
- 125 MILITARY AND CIVILIAN PERSONNEL WHO WERE KILLED AT THE PENTAGON ON 9/11
- 2016 CIVILIAN EMPLOYEES WHO DIED IN WORLD TRADE CENTER TOWER 1 AND TOWER 2

The passage of 22 years has not dimmed our memory of how a beautiful morning was transformed into a day

of heroism, tragedy and sacrifice that altered our sense of security and left so many families to cope with their losses.

Marv, WA4NC
Boone

ARRL North Carolina Section
Section Manager: Dr Marvin K Hoffman, WA4NC
wa4nc@arrl.org

GREETINGS FROM THE HIGH COUNTRY

Sept 20, 2023

Fall is coming closer each day. Overnight lows near Tweetsie have been in the 51-54 degree range. Saturday's football game between Appstate and East Carolina University was exciting but as the sun began setting in the late afternoon the stadium seats were getting cooler and less comfortable. Sunday had periods of heavy rain.

Late News:

1. W1AW/4 will be operating from 4800 feet elevation up here near Boone. Listen on 146.520 MHz (FM SIMPLEX) on Tuesday, September 26, and the guys from Charlotte will be looking for contacts between 8:00 p.m.- 10:00 pm.
2. Operate as W1AW/4 - A Year-Long Operating Event Recognizing Volunteers

The ARRL is celebrating with a year-long operating event honoring all ARRL volunteers through the VOTA program. If you are interested in operating as W1AW/4, you have an opportunity coming up soon as part of the VOTA operation. Each state will have two different weeks assigned for the year. The second period for North Carolina is coming up September 27 (00:00z - October 3 23:59z). During this week-long period, only one operator at a time can use the W1AW call. A coordinator has been assigned to coordinate the North Carolina operation. You must request a time slot and get approval before operating as W1AW/4. If you are interested, use the following link to request a time slot: <https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.cdxa.org%2Fvota-nc.php&data=05%7C01%7C%7Cb312e0fe95ab42409a0608dbb961f20a%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C638307602553547018%7CUnknown%7CTWFpbGZsb3d8eyJWJjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6IklhaWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=MT3J02m3VwDnETnmlviU1PvIOIxtDWZJX6vBxBRXP%2FQ%3D&reserved=0>

Earning Points for contacting W1AW Portable Stations: There will be week-long activations of portable W1AW/# stations in all 50 states, and in several US Possessions/Territories, that will generate on-air activity to earn points. Each state will be activated twice. The schedule of when which states will be activated as posted in the dashboard above will be updated as changes/additions occur.

Using Logbook of the World (LoTW - see <https://na01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.arrl.org%2Flogbook-of-the-world&data=05%7C01%7C%7Cb312e0fe95ab42409a0608dbb961f20a%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C638307602553547018%7CUnknown%7CTWFpbGZsb3d8eyJWJjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6IklhaWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=Ea%2BFRTCoEeg%2BBjyWcHCiO0ndCeP4fhNKryW%2B669mFsc%3D>)

[3D&reserved=0](#)) as the QSOs data source, the 2023 Volunteers On The Air event features W1AW activations from all 50 states (twice) and several territories during 2023. Weeks will begin on a Wednesday and end on a Tuesday. Some weeks will be shown as off weeks to avoid other major operating events. Participants will work W1AW portable stations and ARRL volunteers to earn QSO points.

3. Amateur radio operators who are interested in volunteering to showcase amateur radio at the upcoming NC State Fair (which runs from October 12 to October 22) in Raleigh. This is a project that will take numerous operators since operation will occur during two shifts (0900-1500 and 1500-2100) each day of the Fair.. Operations will be in a tent on the Fairgrounds. Admission tickets will be provided for operators as will free parking. Contact Travis Russell, KN4WJL (kn4wjl@proton.me) to sign up for one or more of the operator slots.

4. NATIONWIDE EMERGENCY ALERT TEST ON OCTOBER 4

Test Messages Will be Sent to All TVs, Radios and Cell Phones. WASHINGTON -- FEMA, in coordination with the Federal Communications Commission (FCC), will conduct a nationwide test of the Emergency Alert System (EAS) and Wireless Emergency Alerts (WEA) this fall.

The national test will consist of two portions, testing WEA and EAS capabilities. Both tests are scheduled to begin at approximately 2:20 p.m. ET on Wednesday, Oct. 4. The WEA portion of the test will be directed to all consumer cell phones. This will be the third nationwide test, but the second test to all cellular devices. The test message will display in either English or in Spanish, depending on the language settings of the wireless handset. The EAS portion of the test will be sent to radios and televisions. This will be the seventh nationwide EAS test.

5. EARTHQUAKE EXERCISE – October 19

The Great Shake Out is the world's largest earthquake drill. It is held annually on the third Thursday of October, and millions of people participate all over the world. In 2022 over 45.6 million people registered their participation. The goal of the Shake Out is to teach people how to protect themselves during an earthquake. Info on how amateur operators can participate is found at

<https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwinlink.org%2Fcontent%2Fshakeout&data=05%7C01%7C%7Cb312e0fe95ab42409a0608dbb961f20a%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C638307602553547018%7CUnknown%7CTWFpbGZsb3d8eyJWJjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ikl1haWwiLCJXVCi6Mn0%3D%7C3000%7C%7C&sdata=sPLbjRV%2BKmHahkw71zW%2Bjw%2FG0ryL0YNuxnr0Lgf9G%2BM%3D&reserved=0>

6. The US Department of Defense (DOD) soon will be conducting DOD COMEX 23-4. During the week of October 16, there will be a series of high-power HF information transmissions on 60 meters and channel 1 (5330.5 kHz).

Enjoy the cooler weather and stay prepared for the potential of severe weather.

Marv, WA4NC
Boone

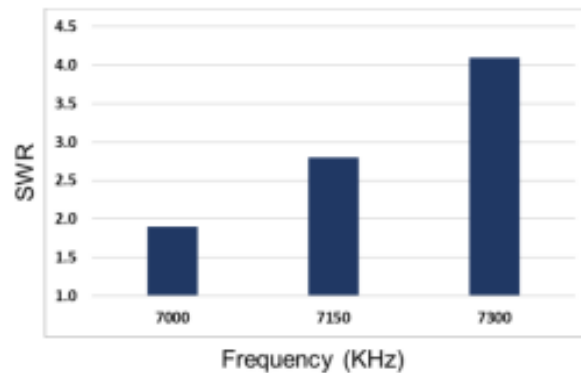
ARRL North Carolina Section
Section Manager: Dr Marvin K Hoffman, WA4NC
wa4nc@arrl.org



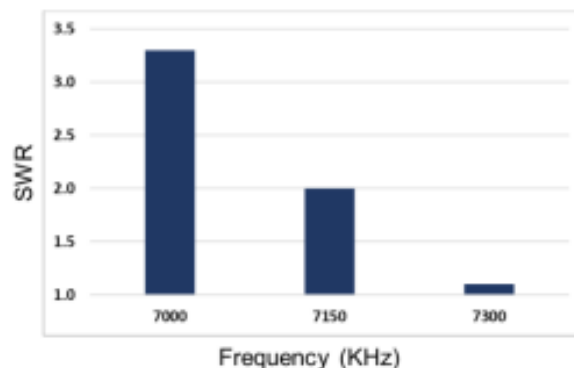
My 40 / 20 Meter Fan Dipole antenna was designed to be able to be used over a wide frequency range and installed either by suspending from a tree or by mounting on a mast. I use this simple tuning procedure to quickly and easily adjust the resonant frequency for each dipole.

Start with the 40m dipole (black dipole) and then do the 20m dipole (red dipole). Measure and notate the Standing Wave Ratio (SWR) of the dipole at the lowest, middle, and highest frequencies in the band on which you intend to transmit. When the SWR is 2.0 or less on all three measurements, it is satisfactory, and you can stop the tuning procedure. One of three following situations will occur:

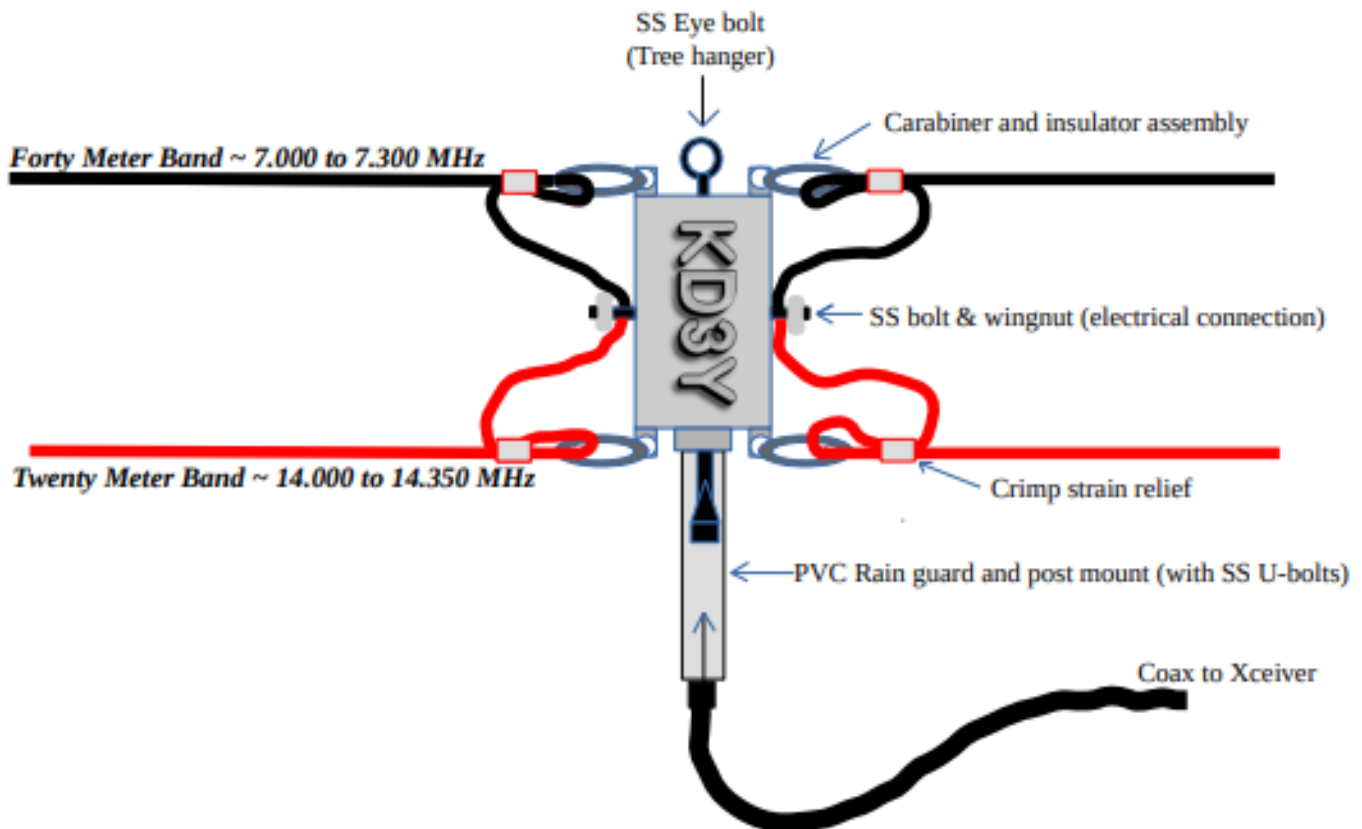
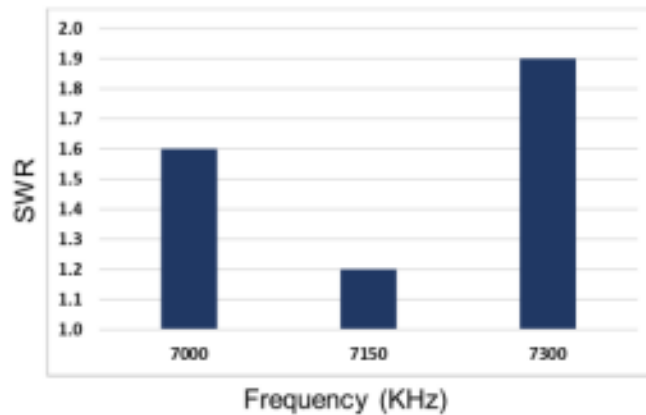
- 1) The values for SWR **increase** on all measurements of the lowest, middle, and highest frequencies. In this case, the resonant frequency is too low, which means the antenna is too long.



- 2) The values for SWR **decrease** on all measurements of the lowest, middle, and highest frequencies. In this case, the resonant frequency is too high, which means the antenna is too short.

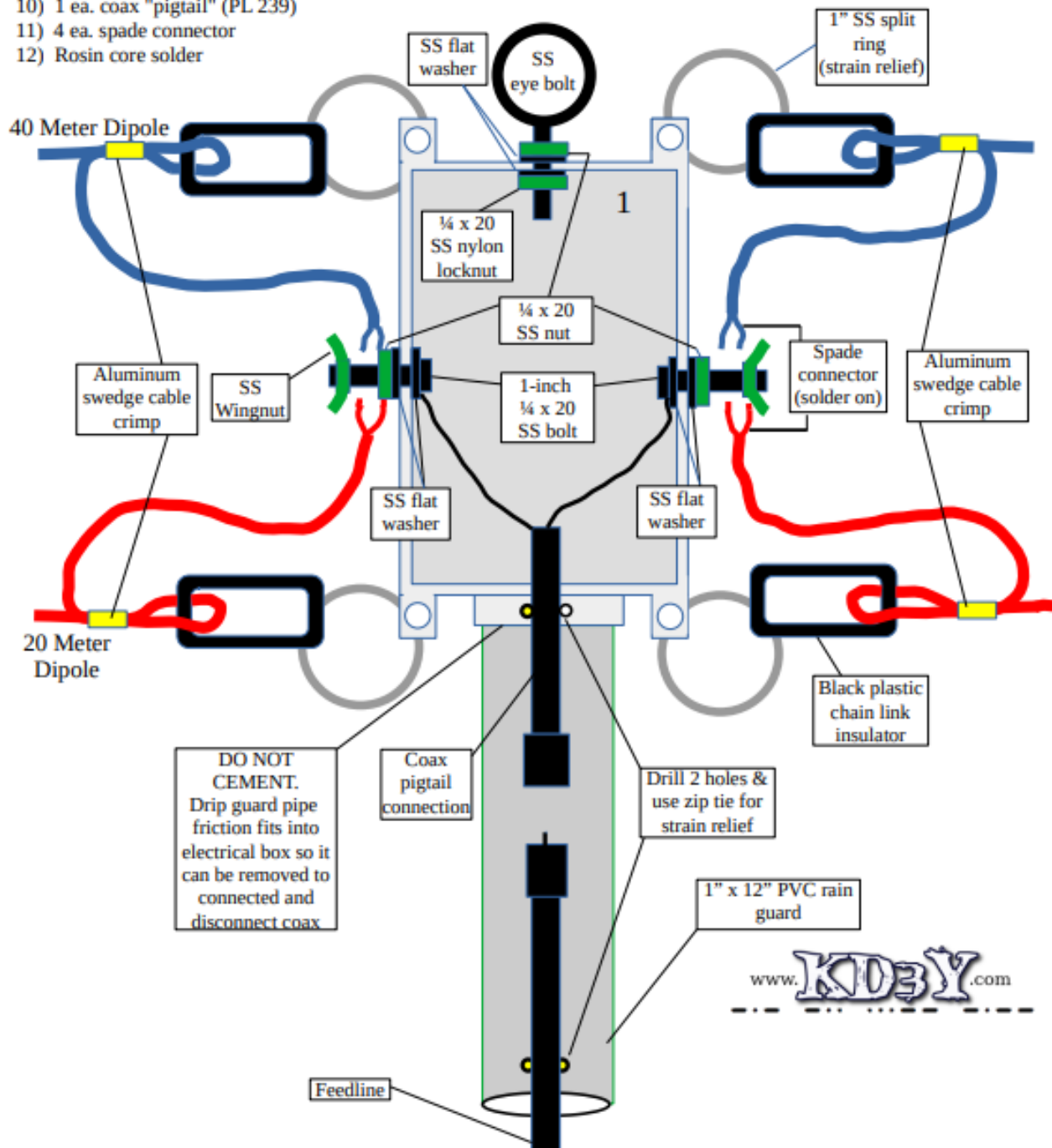


- 3) The SWR value for the middle frequency is lower than the SWR values for the lowest and highest frequencies. In this case, the resonant frequency is inside your band. If the SWR value for the lowest frequency is lower than the one for the highest frequency, then the antenna is slightly too long. Conversely, if the SWR value for the highest frequency is lower than the one for the lowest frequency, then the antenna is slightly too short.



ALL THE PARTS I USED I BOUGHT AT ACE HARDWARE (except for coax)

- 1) 1 ea. one-gang surface mount weatherproof outlet box w/cover
- 2) 4 ea. Black plastic chain (you need four links) for insulator
- 3) 1-inch stainless split rings
- 4) 1 ea. 1/4x20 stainless eye bolt w/ 2 washers, one nut, and one nylon lock nut
- 5) 2 ea. 1-inch 1/4x20 stainless bolt w/ 2 washers, one nut, and one wing lock nut
- 6) Aprox 66 feet 12/14 gauge THHN stranded copper wire (for 40 meter band)
- 7) Aprox 33 feet 12/14 gauge THHN stranded copper wire (for 20 meter band)
- 8) 4 ea. Aluminum swedge cable crimps (size dependent on whether 12 or 14 gauge wire is used)
- 9) 1 ea. PVC schedule 80 PVC 12" long (for rain guard)
- 10) 1 ea. coax "pigtail" (PL 239)
- 11) 4 ea. spade connector
- 12) Rosin core solder



2023 Shelby Hamfest

By Susan WA4AKB

First, I'll start with a little bit of history. My first Shelby Hamfest was in 1977 at an early site called Cedar Park. I probably have some snapshots of it in my box of photos. It was not all that big, but a lot of fun. There was a small outdoor flea market, a building with some dealers and the ARRL, and a picnic shelter. A barbecue lunch was available if you bought a ticket for that. We'd line up for food and sit under the shelter while the drawings were done.

In 1979, my first year at NC State, they moved to the current location, the Cleveland County Fairgrounds. That year, there was a building at the entrance that had dealers and organizations, a "street" along which hams camped out and the flea market was. Below that street there was parking for attendees. Over the years into the early 2000s, it grew. A new building was added for dealers and manufacturers. There is a row along the main street with RV hookups. What had been parking the first year was now prime flea market space. Along the street were outdoor vendors. There is also a barn at the opposite end that has some other dealers and flea market. The buildings would be elbow-to-elbow to get around in. People lined up a week before to get camping spaces and the prime flea market spaces. The flea market spread outside the grounds. It turned from a 2 day Saturday and Sunday event to a week-long event (unofficially), but still Saturday and Sunday officially.

There was a change for 5 years in the early 2000s. The Cleveland County Fairgrounds were not available, so they moved to a park in Dallas, NC, near Gastonia. This was smaller, but still popular. Then came the Democratic National Convention in Charlotte with the time overlapping the Hamfest. Hotel rooms that had been 75-100 were over 500, so many people and vendors decided not to go. The week before the convention, the hotels in the area realized that they weren't going to get the business and were priced reasonably. By then, the vendors and manufacturers had opted out and did not opt back in. The following years, they did not come back.

After 5 years at Dallas, they moved back to the Fairgrounds. It was now much smaller than it had been in its prime before that. This year, there were prime flea market spaces still available on Saturday, although the official first day is now Friday. There were camper spaces that were not taken. The buildings were not full as they had been before the move to Dallas or the DNC. However, looking back, it's still much larger than it was in 1979 when they first moved to the fairground. The biggest difference is in the dealers and organizations. What had been the main building when they first opened had a few flea market tables, including Dave Wood, W4EJ. There was one dealer, the ARRL and some flea market in the main building. There were also two tables selling ham badges and hats. Other organizations, vendors, and manufacturers were absent. There used to also be vendors of after market battery packs for Hand-helds. I have not seen them in recent years.

The entrance is now in what used to be the back. Near the back entrance was a tent with Tower Electronics. They sell many parts, connectors, and some whip style antennas. In the cattle barn at that end of the Hamfest was also the Wireman. There was another vendor inside selling parts. Incidentally, they had stacks and stacks of Sunbeam Lamps for \$10. These are the same lamps that have been sold at Dollar Tree for many years—now for \$1.25. Nice lamps, but they're making a pretty good profit.

When I got to the Hamfest, I talked my way into being allowed to park inside. I parked next to Sasquatch! Across from my car was the Tower Electronics tent. I took several walks around the flea market. While there was less flea market in previous years, I also noted that there is less "junk", you know, things that nobody was going to buy and need to go to recycling. There were a lot more rigs



from the 60s through today. There were other interesting items there as well. There were folks selling antique radios, CB radios, and many other eclectic items.

When I got there, of course, I had to get a homemade ham biscuit from the food vendor. After all, it is a Hamfest. And the smell of the country ham, is irresistible.

Although it is spread out and outdoors, it's very much accessible. There were golf carts for rent, and many people, older and otherwise, took advantage of that. I am not sure how much they charged, as I did not partake, but I did get a couple rides from others at different times. Nothing there slowed down Doug Ferris, K4ROK, either. (But what does?) Doug won a multi-band DMR rig on Saturday!



After walking around a couple times on Friday, I spent a good part of the day assisting the new SC Section Manager, NJ4Z, at the ARRL booth, as he was the only other ARRL officer present that day.

On Saturday, I did my shopping. I picked up some feedline that I need, and an end-fed Zepp antenna for HF. Maybe I'll get that antenna up more quickly than previous ones I've gotten. Hoping for soon after the leaves leave the trees. I also got a mag mount for my 2meter antenna. I had talked to N4PVH and gotten a shopping list for him. Looking for things made looking around more fun for sure!

Next year, maybe more of us can go. Perhaps one of our members with a camper can set up a gathering place? And set up a "club table" outside of it?

(Thank you Susan. More photos etc. available at the Blog folks. Some editing has been done)

Dear ARRL Roanoke Division Member:

Sept. 7, 2023

Two items of interest. First, our quarterly newsletter is available at:

https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.arrl-roanoke.com%2F%2FRoanoke_Newsletter_Labor_Day_2023.pdf&data=05%7C01%7C%7C422beaf66bb94632be2608dbb00eaca9%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C638297349299546459%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikl1haWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=ohHomJS5QSOK1ZlwCZskgvSdtw1mBmLRWRGUCjxTJHg%3D&reserved=0

Secondly, we will host another one-hour Roanoke Division Town Hall featuring your ARRL elected officials on Thursday, September 14, from 8:00 PM to 9:00 PM. This Town Hall will include a live tour of W1AW in Connecticut with South Carolina Section Manager John Gendron, NJ4Z. Choose one of the following hyperlinks below starting at 7:30 PM to log into the Town Hall. We look forward to having you join us.

[ARRL SC YouTube](#)

[ARRL VA Facebook](#)

[ARRL RK Facebook](#)

[N2ZZ Facebook](#)

[ARRL SC Facebook](#)

73 de,
Roanoke Division Director Dr. Jim Boehner, N2ZZ
Roanoke Division Vice Director Bill Morine, N2COP
North Carolina Section Manager Marv Hoffman, WA4NC
South Carolina Section Manager John Gendron, NJ4Z
Virginia Section Manager Jack Smith, KE4LWT
West Virginia Section Manager Dan Ringer, K8WV

ARRL Roanoke Division
Director: James F Boehner, N2ZZ
n2zz@arrl.org

The MAYSVILLE HAMFEST - "Down Home Family Swapmeet"

Hi ALL,

9-11-23: I just spoke directly via telephone with Bryon Highland, K4BMH (Maysville Hamfest Committee) to Confirm the MAYSVILLE, NC HAMFEST. YES! The MAYSVILLE HAMFEST - "Down Home Family Swapmeet" will be Held (Always the Second Sunday in Oct) on October 8, 2023, at the regular place, the Maysville, NC Community Building & Park. That's less than 4 weeks away so help us spread the word by circulating this e-mail to everyone you know!

What: The MAYSVILLE HAMFEST - "Down Home Family Swapmeet" <https://www.maysvillehamfest.org/>

When: Sunday, October 8, 2023 (Always the second Sunday in October)

Where: Maysville Community Building & Park, 703 8th Street, Maysville, NC 28555

Time: 8:00 AM - 3:00 PM Outdoor tailgaters & vendors may begin early setup between 6:00 AM - 7:00 AM

Cost: This is a FREE Hamfest event! Open to ALL

Food: Food will be available as before inside the Community building at a small cost

Door prizes: Purchase your tickets for the Doorprizers & support the Maysville Hamfest!

Contact: Bryon Highland, K4BMH (Maysville Hamfest Committee) Ph: (252) 347-1498 e-mail: bhighland@nc.rr.com

Now is the time to go through your Ham Shack and start putting together items that you'd like to sell. It's a FREE Hamfest and no better time to get rid of those things in your Ham Shack! Bring plenty of change! Also, bring a comfortable chair and plenty of tables to display your items on. Start pricing those items ahead of time! There will be bathrooms and food available along with plenty of shade from the tall trees known at the Maysville Hamfest. Larger commercial vendors can set up inside and tailgaters can set up outside. Just pull up your car or truck, drop the tailgate, and set up your tables at 7:00 a.m. If you are a tailgater and want to come earlier to set up that's not a problem! Come as early as you'd like! Come at 6:00 AM if you'd like if you have a lot to set up or want to get a good shady spot. That will be no problem! If you are an INDOOR vendor contact Bryon Highland for early setup the night before or come that morning. Please contact Bryon Highland (see above) for any setup questions or if you are a larger vendor that needs to set up inside early.

The Maysville Hamfest will have the usual food and breakfast biscuits as they have always had. There will be a small charge for those indoor food items as always. Come out and support the Maysville Hamfest - "Down Home Family Swapmeet" It's the One Big, Small Hamfest where you can eyeball all your good Eastern NC Hams & Friends!

This year the Maysville Hamfest Committee has put together a little something special in honor of ALL the Hams in Eastern NC that have passed away! There will be large white poster boards displayed on the walls under the Community Building Awning along with the names, callsign, and club of each Ham Radio operator that has passed away since the founding of the Maysville Hamfest back in July 1979, and the very first Maysville Hamfest in October 1980. Many of these very hams attended the Maysville Hamfest, and we want

to honor their names and give back fond memories and smiles to those attending as they see the names of these hams and remember the many fond stories and memories associated with them. If you can think of any Hams that have passed away e-mail Danny Garris, WD4CQ @ GarrisTV@hotmail.com a list has been circulating around via e-mail with those names and we want to be sure to have everyone listed.

Also, be sure to visit: <https://www.maysvillehamfest.org/photos/> for photos, directions, and a little about the History of the Maysville, NC Hamfest.

Also, be sure to visit: <https://www.facebook.com/groups/674737440485153> on Facebook. This is the Official MAYSVILLE HAMFEST Facebook Page created by David Jones, WD4LVN. There are many photos taken back in the early 80s you can view on the Facebook page!

See Ya @ The MAYSVILLE HAMFEST - "Down Home Family Swapmeet"

This email and reminders are sent out to all members and friends of the [NBARC] New Bern Amateur Radio Club. We are pleased that you asked to receive our club email newsletter and hope that you enjoy reading it. If you have a Ham radio event or happening you wish to share with everyone or wish to contribute, add, change, or modify something please let us know. If you no longer wish to receive these emails please let us know by emailing: GarrisTV@hotmail.com

73's

This [NBARC] e-mail newsletter was sent by:

Danny Garris, WD4CQ
NBARC President & Dish-washer!
Webpage: <https://nbarc.org/>
e-mail: GarrisTV@hotmail.com
Cell Ph: (252) 670-9955



Hi Folks,

Welcome to another month. I don't know about the rest of you, but time seems to go past even faster as I grow older.

A few things that happen this last September:

My Solar Electric system is now in operation officially. It has been inspected and a new meter has been installed. I should see a difference in my billing toward the end of the month.

I helped with the MS Bike New Bern again. This time I was a SAG (driving a route or routes) and I had a bike rack this time. Not much in problems while driving it. Helped a lady with her CO2 tire inflater. Transported a lady and her bike to the Start/Finish line from a Rest stop, due to unable to complete the course that day (It was hot and others also didn't complete the ride that day due to heat, etc.) One Bike rider had a accident just after going over the draw bridge for the 30 mile course. My Co-SAG for the course handled that one. I only helped on Saturday, but I heard the weekend did very well this year on problems.

My Knee started hurting badly during a walk. X-rays show signs of arthritis. Pains much better now, but I'm trying be prepared on trips, walking etc. by carrying a cane with me. Helpful for waiting in lines the first few days. I guess I'm lucky, My brother and sister has knee problems and they are younger than I am.

Well, this October, I hope to get busy on my antenna so I can go HF. Just some modifications so I can adjust it for better SWR (Currently way too high of SWR).

73 everyone.

Interested in the Ham Chatter?

If you are not receiving *Ham Chatter* email notices and would like to receive them, please send an email to hamchatter@w4amc.com so we can get your email address and put you on the list. You may miss some important BARC or PARC notices. - *KG4GVJ*

Help the Editor.

Do you have something to say or post? Want to write an article? Any ideas? Comments and notice's of help needed (Personal or club needs or activities? Can be BARC related or other Club's) are welcomed. Have interesting photo's or articles? Done something related to radio? Please let us know and we may add them to the Ham Chatter and web page Blog.

Send it along to the [Editor at Ham Chatter](#). We will see if we can fit it in soon.

Be a Net Control

Volunteer to help with the Weekly Net for BARC, or other nets. All are welcomed. It's great practice for if you need it for later, it's like First Aid training. A script is available to read off of to help in the progress on the web site.

PUBLIC SERVICE?

Website for NC hams who are interested in public service, Check it out at <https://hpsnc.org/>.

**LICENSE STUDY SESSION VIA ZOOM
Ham Radio Zoom Training Courses 2022-2023**

The following is our schedule of General and Technician class courses from November 2022 through September of 2023. (FARC) Note that we skip December after the 7th.

General:

November 9,16, 30
Dec 7

Technician:

Classes are held on Wednesday evenings from 6:30 - 9:30 pm.

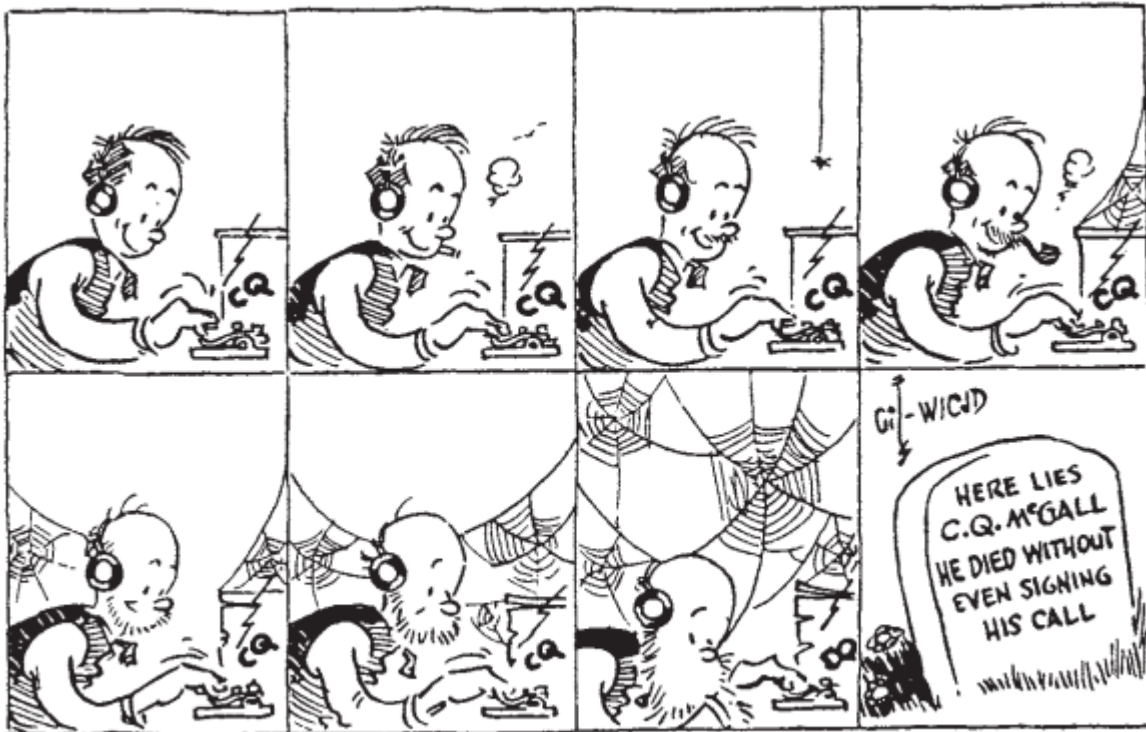
The Gordon West Technician class or General class license manual is recommended in conjunction with online hamstudy.org.

Instructors:

KK4RR, AJ4TF, KA4JAH, AE4TI, K4AX. No charge for the classes.

Preregistration required: contact Richard Weinbaum at KK4RR@mac.com.

Thanks and 73,
Keith - KA4JAH



March, 1938

All Local Area FCC Exams:**WINSTON-SALEM NC**

2023

2ND Monday, 6PM at Red Cross on Coliseum Drive

No Exams are scheduled in December, the Club has its Christmas party. Sponsored by the Forsyth Amateur Radio Club (FARC), Red Cross Chapter House, 690 Coliseum Drive. Pre-Registration Only. Exams start at 6:00 PM. Bring 2 forms of identification (one with picture). Pre-registration, FRN number, are required before test session date. NOTE: COVID-19 protocols still in effect. Please bring the ORIGINAL, COPY of any CSCE's and signed license to the test session. Exam fee is \$12.00. For more information, contact: Dale Mierisch-WB9SZL, [Email](mailto:DMierisch@w4amc.com), [Phone 336-766-9675](tel:336-766-9675)

The following testing dates and sites are from:

<https://www.w4vec.org/ar.html>

GREENSBORO NC**TESTING 2ND SATURDAYS**

All sessions begin at 9:00 AM Hinshaw United Methodist Church, 4501 Gate City Blvd, Greensboro, NC 27407 ([MAP](#)) [For more information contact: David Macchiarolo- AJ4TF EMAIL](#)

[336-420-9424](tel:336-420-9424)

HIGH POINT NC**TESTING LAST SATURDAYS**

All sessions start at 10:00 AM. Location: Hickory Chapel Wesleyan Church, 301 Hickory Chapel Road (off MLK Jr Drive) High Point, NC 27262 [MAP](#) [Pre-registration is required. Contact: David Macchiarolo Email 336-420-9424](#)

KERNERSVILLE (?)**King/Rural Hall, NC**

Piedmont Triad VE offers free of charge testing, at the King Public Library, 101 Pilot View Drive, King, NC. This is a free of charge exam session for

subject to the \$35.00 fee to be paid to the FCC. Contact Jeff Webset at webstej <at? windstream <dot> net for next exam.

SALISBURY NC

PRE-REGISTRATION ONLY

Bostian Heights Fire Dept. Community Room
[\(MAP\)](#)

8211 Old Concord Road Salisbury, NC 28146

For more information contact:

Fred - WB4QOC [EMAIL phone 704-534-1031](mailto:fred@wb4qoc.com)

Last updated 1/26/22

THOMASVILLE NC

Tri-County Amateur Radio Club

Test Session at 9:30am, Davidson-Davie Community College, 297 DCC Rd. Thomasville, NC 27360 ([MAP](#)) Building: Finch *Building marked with RED arrow), room 221, Preregistration and FRN number is required before test session date. NOTE: COVID19 protocols still in effect. For more information contactL Rick Weinbaum, KK4RR, cell: 446-687-8001 email: weinbaum <at> mac <dot> com. Last updated 6/1/22

New Ham? New Upgrade?**Live in Forsyth County?****Or just want to join FARC?**

For new hams, or upgrades, who have taken an exam, please complete the information on the FARC application (usually the next-to-last page of the Newsletter), if you have not already done so, for a free membership to the Forsyth Amateur Radio Club (FARC). Mark the form "New Ham - Exam date". Even if this is not an FARC exam session, since we are limited in exam offerings at this time. Once the form is completed, bring to the next club meeting, or please scan and email to secretary <at> w4nc <dot> com [and an email to newsletter <at> w4nc <dot> com].

Exams usually will be offered before the FARC meeting (2nd Monday at the Red Cross) and start at 6:30 PM in room 109 at the Red Cross building **see above to make sure a session is offered**. You are encouraged to arrive early at 6:20 PM Preregistration is required at info <at> w4nc <dot> com.

[From the FARC Newsletter](#)

Asheville Radio Museum

DrPVH, Sep 19, 2023

Just recently, I made a weekend trip to Asheville for a medical convention. Had to have a little bit of a break and decided to go to the Asheville Radio Museum. Being an amateur radio guy, it's a must. So I put it into Google maps and it took me 10 miles out of town. There is a fire station called "A B Technical college" but it took me to the wrong place. Finally figured out that Google and sent me on a wild goose chase and drove back to the downtown where the A.B. technical college is located. The museum is on campus and usually there are signs to get there. Arriving a little bit late, I met Lee who was so kind to stay open a little bit longer past closing time. Usually they're open on the Saturday between 1 to 3 o'clock. Lee promptly showed me the highlights of the collection. The museum is a small room in the college run by amateur radio enthusiasts that have refurbished these radios so that they work. They look brand new, all polished and fixed up as they came out of the factories.

We started with a working mechanical "Victrola Record player", no electronics at all. Crank it up and it had amazing fidelity for a 1920's mechanical device.

We looked at the "Atwater Kent" radios of that era. Interesting that the active elements were mounted on the top of the board while the wires were under the board. My great grandfather worked at the Atwater Kent radio factory near Davenport, IA. When he got his Model T Ford, he mounted one of the radios into the car. He told the foreman about it and the foreman brought Mr Atwater over to see it. Mr Atwater stated that this would never take off as it was too dangerous to drive and tune the radio. In the great depression that followed, Mr Atwater closed the factory and lost his money in the crash. At that time Motorola got it's start with car radios! Too bad that he did not see the opportunity staring him in the face.

Other items included a "Gibson Girl" with was a 500mHz CW devise that was hand cranked to be operated in a lifeboat for search and rescue purposes. A dear friend of mine (K4KBB - SK) gave me his Gibson Girl years ago as he was cleaning out his storage unit. He carried it on his boat just in case he needed it. Since then the technology has change. In 1976 a friend of my father's was a NASA engineer and a sailor. He helped design the weather satellites and knew their capability. He designed a 2M tone control system to send codes from his boat to the passing satellites. The satellites would record the information and relay it to Goddard space center in Greenbelt, MD where his son was decoding the data. The doppler shift of the signal was used to calculate where the transmitter was located on earth. This was the first satellite based search and rescue experiment that showed the utility of this idea. Since then search and rescue has transitioned to satellite based systems and ultimately GPS based. Mr Jim Baker wanted to move his sailboat to the Bahamas to test it but his plans fell though. My father invited him along on our yearly Christmas Sail to the Bahamas and we were the first to run the tests. This was published in multiple magazines at the time in 1976. He also used a golf umbrella stripped of the cloth but then wired up with copper wire as a parabolic reflector and managed to make the longest single satellite bounce communication. It went from the Bahamas, up to the geosynchronous satellite (22K miles away) to Kashima ground station outside Tokyo Japan with a 5 watt HT. I was floored as Mr Baker could speak fluent Japanese!

Many other radios were present that had varied histories like the "Folks Emphanger" from Nazi Germany (The Peoples' Receiver). This was commissioned by Goebbels to be able to send propaganda to the German people for the purpose of controlling them. It could not tune foreign broadcasts like signals from the BBC and VOA that would have a different view of the news. If the radio was tampered to allow this, the owners were beaten or killed. Now our politicians use the internet and purchase time on news outlets to do the same! Thank heav-

ens that they do not beat us if we choose to change the channel or have different opinions. A testimonial to the value of freedom. The Voice Of America was started in world war 2 to send out truthful news stories to fight Hitler's propaganda. It is still very valuable organization that is committed to telling the truth to the world as outlined in their charter. (See VOA project here)

There are too many radios that they have worked on and refurbished to list here. My thanks to Lee for keeping the museum open for me past closing time and being an exemplary host showing the radios and how they work. If in Asheville, stop by the museum between 1-3 PM on a Saturday and take in the sights and sounds. As an amateur radio enthusiast, you will not be disappointed. (Thanks Scott for making me aware of this gem.)

73 Peter.



ARES/AUXCOMM News

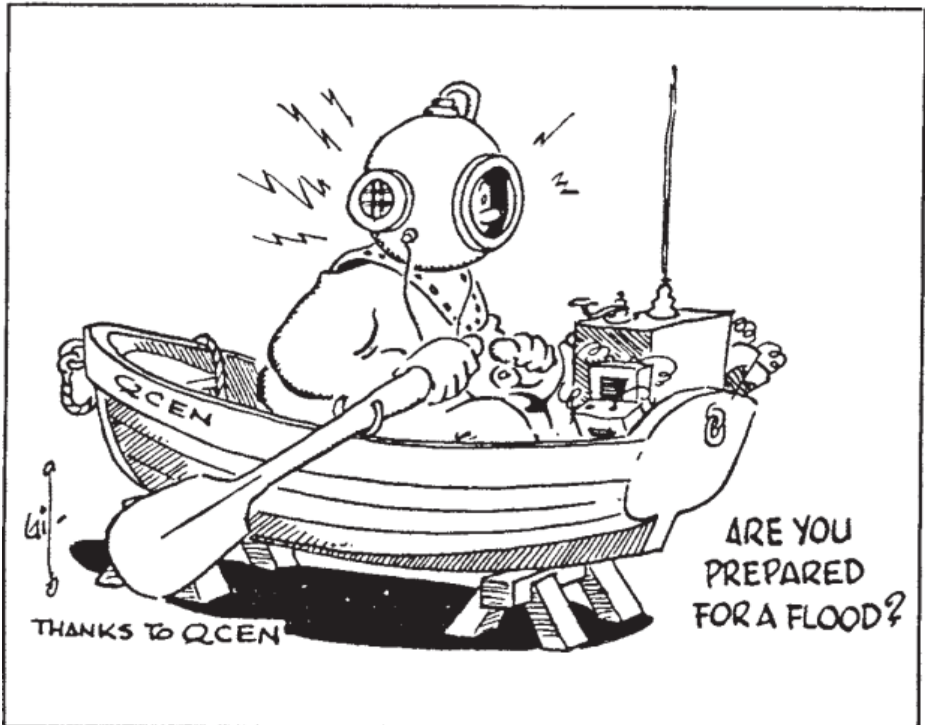


The five USB channelized 60-meter frequencies are available for interoperability (communication between services). By convention, Channel 1 is designated the calling channel. This convention is established to train the amateur radio community to reach out on Channel 1 in times of national emergency, for information from the federal government. The amateur radio community uses 60 meters on a secondary basis with federal agencies. This and similar 60-meter interoperability exercises are conducted during the first full week of each month. More information [here](#). - *ARRL News*

ARES Resources

- [Download the ARES Manual \[PDF\]](#)
- [ARES Field Resources Manual \[PDF\]](#)
- [ARES Standardized Training Plan Task Book \[Fillable PDF\]](#)
- [ARES Standardized Training Plan Task Book \[Word\]](#)
- [ARES Plan](#)
- [ARES Group Registration](#)

Note from Editor: This section is added for information for those interested in Emergency services. Pitt County doesn't have a active ARES Presence. But the practices and lessons available can be useful if working for or helping pass traffic in times of need.



Important Links

ARRL Home: www.arrl.org

Find an ARRL Affiliated Club:
www.arrl.org/clubs

Find Your ARRL Section:
www.arrl.org/sections

Find a License Class in your area: www.arrl.org/class

Find a License Exam in your area: www.arrl.org/exam

Find a Hamfest or Convention:
www.arrl.org/hamfests

In Ocala, the Marion County Emergency Radio Team (MERT) was activated to support shelter operations on Tuesday, August 29. Marion County ARES was placed on standby to support the MERT team and other served agencies. The county was spared the brunt of the impact. Marion County ARES Emergency Coordinator Hayden Kaufman, N2HAY, said the activation identified some opportunities for improvement in the area's disaster response. "We were very fortunate to have had little to do. However, the activation provided us some insight on factors that would impede communications in an emergency," he said.

Ham volunteers worked with the County Sheriff's office to ensure the amateur radio equipment on board the Marion County Mobile Command Center was fully operational before it was deployed to Madison County, the area most heavily impacted by the storm.

Kaufman thanked the many local volunteers for their service during the hurricane. "I am personally proud to be a member of our increasingly tight-knit EmComm community," he said.

[Hurricane Watch Net](#) (HWN) Manager Bobby Graves, KB5HAV, said the storm called for "all hands on deck." Ahead of impact, the intensity and track of the storm greatly concerned him. "I have been watching and plotting hurricanes for over 35 years. I have witnessed, many times, a hurricane cross a state line into another as a hurricane...two states were hit by the same hurricane. Never have I seen a storm cross three states as a hurricane," said Graves.

The [WX4NHC amateur radio station at the National Hurricane Center](#) was also active during the storm, as was the [Hurricane VoIP Net](#). - *ARRL News Desk*

Winlink ShakeOut Exercise Next Month

1 The Winlink Development Team (WDT) continues its successful collaboration with the US Geological Survey to provide real event and exercise "Did You Feel It?" (DYFI) earthquake intensity reports via Winlink. All Winlink users are invited to send Exercise Winlink DYFI reports on October 19, 2023, at or after 10:19 local time with Exercise ID: 2023SHAKEOUT. For [step-by-step Winlink DYFI Exercise instructions](#) and additional information see the [Winlink ShakeOut Website](#) and the details below.

2 What is ShakeOut?

3 The Great ShakeOut is the world's largest earthquake drill. It is held annually on the third Thursday of October, and millions of people participate all over the world. In 2022 over 45.6 million people registered their participation. The goal of the ShakeOut is to teach people how to protect themselves during an earthquake.

4 Great ShakeOut Earthquake Drills across the U.S. are coordinated by the Southern California Earthquake Center in partnership with ECA, CUSEC, state and national emergency management partners, with support from FEMA, NEHRP, NSF, and USGS.

5 The ShakeOut drill is simple. At the designated time (or whenever works for you or your organization), participants practice [self-protective actions such as "Drop, Cover, and Hold On"](#) or "Lock, Cover, and Hold On" if they use a wheelchair.

6 How to Participate

7 [Register your volunteer radio group for the Great ShakeOut.](#)

Send [Winlink DYFI \("Did You Feel It?"\) exercise reports](#) on October 19, 2023, after 10:19 (local time) to the United States Geological Survey (USGS). Exercise ID: 2023SHAKEOUT

Conduct local radio nets or functional radio exercises to test your group's preparedness.

The Great ShakeOut is also an opportunity to learn more about [earthquake preparedness](#). Participants can learn about the different types of earthquakes, how to create an earthquake safety plan, and how to make their homes and businesses more earthquake-resistant.

The Great ShakeOut is a great way to get ready for an earthquake. Many preparedness lessons from the Great ShakeOut also apply to floods, fires, landslides, and other disasters. It is also a chance to connect with your community and learn how to help others in the event of an earthquake or other disaster. Look for more details on the [Winlink ShakeOut Website](#) in the coming weeks.

Open Letter from the National Hurricane Center's WX4NHC Operators

Hello Fellow Ham Radio Operators:

In cooperation with the National Hurricane Center in Miami, Florida, and WX4NHC, we are asking for your assistance during this hurricane season. The most important role amateur radio plays in hurricanes is to gather and relay information to the National Hurricane Center's Amateur Radio Station WX4NHC.

While there are mechanisms to do this, we are always looking for more assistance in this vital job. You could be the only station in the impacted area and your Eye Witness Reports or measured data, if you have a weather station, could be critical to the forecasters. You could be the only station hearing some other ham calling with a report or needing assistance in a dangerous situation they are in. Also, you could play the important role in translating a ham's report into a language that we understand. So, as you can see, everyone has a part they can play.

WX4NHC on 14.325 MHz is a frequency that you should always monitor during a hurricane. [[More information can be found on the WX4NHC website](#)]. This frequency is maintained for hurricane reporting and response by the [Hurricane Watch Net](#). The VoIP Hurricane Net utilizes EchoLink and IRLP to link stations together over the internet. When HF propagation is not good, sometimes this is the only way information reaches WX4NHC.

The EchoLink Conference Room is WX-Talk (Node 7203) and IRLP Node is 9219. More information can be found [here](#). We ask you for your support and assistance anytime the Hurricane Watch Net, VoIP Hurricane Net, and WX4NHC are active. The part you play may save someone's life! - *Operators of the NOAA National Hurricane Center Station WX4NHC*

September Is Emergency Preparedness Month - Perspective from a Pennsylvania County

Since February 2003, "Ready" has been a national public service advertising (PSA) campaign de-

signed to teach Americans how to prepare for and respond to emergencies, whether natural or man-made. The goal of the campaign is to get the public involved and ultimately to increase the level of basic preparedness across the nation.

[National Preparedness Month](#) is an observance each September to raise awareness about the importance of preparing for disasters and emergencies that could happen at any time. The 2023 National Preparedness Month theme is "Preparing for Older Adults." This year's theme, events, and materials will focus on preparing older adults for disaster, specifically older adults from communities that are disproportionately impacted by the all-hazard events, which continue to threaten the nation. Older adults can face greater risks when it comes to the multitude of extreme weather events and emergencies we now face, especially if they are living alone, are low-income, have a disability, or live in rural areas.

In general, the "Ready" campaign asks all individuals to do four things:

- Stay informed about the different types of emergencies that could occur and their appropriate responses
- Make a family emergency plan
- Build an emergency supply kit, and

Get involved in your community by taking action to prepare for emergencies

Blair County (Pennsylvania) ARES volunteers have the last bullet point covered. However, if you don't have the first three covered, you won't be "Ready" to help out as a Blair County ARES volunteer.

Sponsored by the U.S. Department of Homeland Security's (DHS) Ready Campaign, National Preparedness Month (NPM) is designed to encourage Americans to take simple steps to prepare for emergencies in their homes, businesses, and communities. The goal is to increase awareness about the importance of preparing for emergencies and to encourage individuals to take action.

Locally, hams can subscribe to Blair County's specific alert service. Blair County ARES volunteers are involved in their community's preparation for, response to, recovery from, and mitigation of, natural and manmade disasters. However, they also know you are useless to the greater community if your family is not taken care of first.

Use September to test your amateur radio equipment. Do you check in to nets with your home station, which is plugged into the AC mains, and connected to an antenna mounted on top of a permanent tower? What if the tower was blown over? What if the AC power mains are down? Try going through the whole month with just emergency power running your station and use a portable antenna. Try going portable to check in to the local nets. Review the [ARES Emergency Communicator Individual Task Book](#) for reference and guidance.

Have a radio "go-kit"? Use your radio go-kit during September. See if you have everything you need in the kit to get a station on the air from a location other than your home. Take your go-kit and set up away from your home to check into a net. Not that ambitious? Try doing the ARRL VHF Contest using just your go-kit station set up on your deck, porch, or patio. [Try a POTA activation!](#)

Take advantage of this year's National Preparedness Month to think about ways to prepare for emergencies or disasters that could impact your family and community. For additional information about National Preparedness Month and ideas on how to better prepare you and your family for dis-

The ARES Letter

ARES[®] Briefs, Links

ARES[®] Briefs, Links

ARRL New Jersey Sections Sign [Agreement with American Red Cross Hurricane Lee Activations](#).

[Amateur Radio Ops Support Utah Bike Race](#).

The 2023 Marine Corps Marathon (MCM) will take place on Sunday, October 29 in Washington, D.C., and Arlington County, Virginia. The [MCM Ham Volunteers team is looking for 150 amateur radio operators](#) to support the event by providing racecourse situation reports.

The ARRL Simulated Emergency Test (SET) is scheduled for October 7 - 8, 2023. Get Ready, Get SET, Go! - [Plan and Prepare now!](#)

Hurricane Idalia Response

ARES and other operators served communities affected by Hurricane Idalia. Idalia made landfall Wednesday, August 30 on Florida's Big Bend region as a Category 3 storm with sustained winds of 125 miles per hour. The storm tracked across Georgia and into South Carolina, and on Thursday morning it had moved offshore of North Carolina.

ARRL volunteers staffed key positions across the affected region. Section Emergency Coordinator of the [ARRL Northern Florida Section](#) Arc Thames, W4CPD, led the activation of [Amateur Radio Emergency Service](#)[®] volunteers within the Section. [See his note at the end of this newsletter - *Ed.*]

The [Florida Statewide Amateur Radio Network \(SARnet\)](#) was the primary emergency communications system used during the storm. The system is a series of linked UHF repeaters that covers the entire state. There were also HF nets linking counties to the state EOC.

In a message to ARES leadership in the affected Sections, ARRL Director of Emergency Management Josh Johnston, KE5MHV, reminded them of gear at ARRL Headquarters that can be deployed if necessary. "We have equipment assets in our [Ham Aid](#) program available to you for loan if you have a need to backfill. These can be used during long term recovery efforts as needed," wrote Johnston.

The Federal Communications Commission (FCC) [approved an ARRL-requested emergency waiver to HF symbol rate limits](#) to allow higher speed data communications in the Amateur Radio Service response to Hurricane Idalia. [Read the waiver](#) (PDF)

Many counties in the ARRL Northern Florida Section were activated. Section Manager Scott Roberts, KK4ECR, was at the Clay County EOC for 27 hours. "We had a good number of our Northern Florida counties activated, as well as other places in the state. There were four shelters open here in Clay County alone," he said. Roberts said the final information was still being tallied, but he knew of activations in Duval, St. Johns, Escambia, Marion, and Leon Counties.

asters, go to [Ready.gov](https://www.ready.gov) - *Drew McGhee, KA3EJV, Editor, Blair ARES Alert! September 2023*

Mississippi Conducts Its SET on Hurricane Scenario

Mississippi ARES conducted its statewide ARRL Simulated Emergency Test (SET) on Saturday, August 12, 2023. The Mississippi (MS) ARES team spent the last 7 months planning and training for this operation, and initial reports are that the SET was very successful. The team operated for 12 continuous hours beginning at 4:30 AM. Numerous instances of simulation emergency communications messages were passed via amateur radio networks on behalf of local, county, and state organizations.

The SET scenario was a landfalling hurricane named ICYMI. ARES county emergency operations teams as well as state RACES operators got into the fray. Everyone that checked into the nets received traffic handling experience as preparation and training for when the real situations develop.

For 2023, there was significant use of NBEMS digital as well as Winlink email that was directed to the main state level served agency, the Mississippi Emergency Management Agency (MEMA). While the scenario included a hurricane, there were also power disruptions, flooding, tornados, traffic accidents, and even a downed NASA satellite -- the Civil Air Patrol simulated a search and recovery effort in the Tupelo area. -- *ARRL Mississippi Section News, Malcolm Keown, W5XX, Section Manager*

Amateur Radio Helps Air Show Fly High

In Tennessee, more than 40 members of the [Nashville Amateur Radio Club](#), Williamson County ARES®, and [Stones River Amateur Radio Club](#) partnered to provide operations support leading up to and throughout the 2023 Great Tennessee Air Show. On June 10 - 11, 2023, the US Navy Blue Angels demonstration team headlined the show. Tom Delker, K1KY, Air Show Communications Coordinator, said that amateur radio operators from the Middle Tennessee Emergency Amateur Radio System have been supporting the air show since the mid-1980s.

Operators were able to employ multiple technologies during the event, including simplex radio operations, RF mesh networking, mobile VoIP phones, IP surveillance cameras, APRS tracking, and weather monitoring and measurement. Smyrna/Rutherford County Airport Authority Director John Black and Deputy Director Salil Rai expressed their sincere appreciation for the team and all those who worked the event. This volunteer amateur support translates to operations money that can go directly toward community projects.

In addition to the US Navy Blue Angels demonstration team, historic aircraft, including the Spirit of Detroit DC-3 and the Blue Angels' "Fat Albert" C-130 Hercules, also highlighted the show.

Event organizers said they expected more than 50,000 people to attend the event. The next Great Tennessee Air Show is scheduled for 2025. - *ARRL Letter, June 2023*

Northern Florida SEC W4CPD for a Final: Hurricane Idalia Response

ARES volunteers are a remarkable group of individuals who share a passion for amateur radio and a strong commitment to community service. When Hurricane Idalia made landfall, these volunteers were already prepared, equipped, and organized to respond swiftly to the impending crisis. Their dedication to preparedness and their extensive training made them invaluable assets during this challenging time.

We directly know of at least 12 counties that activated their ARES resources to support operations at shelters and emergency operations centers in preparation for, during, and after Hurricane Idalia. Volunteers from both Leon and Bay counties provided support to the State EOC radio room. The volunteers at the State EOC operated a closed net on SARNET, the Florida statewide repeater network, and monitored HF frequencies. In addition to our direct support of the EOCs, volunteers from inside and outside of Florida staffed an emergency HF net that monitored for any counties that might have lost their ability to communicate using traditional methods such as cellular, landline, and the internet. We stand these nets up shortly before a hurricane is to make landfall and work to stand them down as quickly as possible. These nets are stood up at the request of the Florida State Division of Emergency Management.

The frequencies we choose for our nets aren't random. They are actually listed in several FOGs (field operations guides) such as the AUXFOG and FLCOMUFOG. I would like to extend a deep, heartfelt thanks to everyone involved in the response to Hurricane Idalia and for those amateur radio operators that were kind enough to share the airways with us as we responded when called upon. From our net control stations to those staffing emergency operations centers, your work does not go unnoticed, and we are thankful for everything you do to support your communities. - *ARRL Northern Florida Section Emergency Coordinator Arc Thames, W4CPD*



ARRL The National Association for
Amateur Radio

Emails



ARRL on the Purpose of Amateur

For over 100 years amateur radio and ARRL — the National Association for Amateur Radio® — have stood for the development of the science and art of communications, public service, and the enhancement of international goodwill. Amateur Radio's long history and service to the public has solidified the well-earned reputation that "Amateur Radio saves lives."

Amateur Radio Operators, due to their history of public service, their training, and the requirement that they be licensed by the FCC have earned their status as a component of critical communications infrastructure and as a reliable resource "when all else fails."

Amateur Radio is about development of communications and responsible public service. Its misuse is inconsistent with its history of service and its statutory charter. ARRL does not support its misuse for purposes inconsistent with these values and purposes.

ARRL Podcasts

Listen to [ARRL Audio News](#), available every Friday. ARRL Audio News is a summary of the week's top news stories in the world of amateur radio and ARRL, along with interviews and other features.



ARRL Audio News is distributed through [Blubrry.com](#). You can subscribe to the podcast via your IOS or Android mobile device with your favorite podcast app, or you can listen and download episodes directly from the Audio News page at Blubrry. Each week, the current edition is available at [ARRL Audio News](#).

ARRL Podcasts Schedule

On the Air Sponsored by [icom](#)

September/October 2023 issue, "Foxhunting Basics," doesn't have anything to do with chasing down a woodland creature. Foxhunting is a radio direction-finding activity that you can enjoy with a radio club or group, or even with just one other friend -- and they don't even have to be a ham! Rob Zielfelder, N1NUG, explains how to get started with a couple of handheld radios and a directional antenna that you can make from inexpensive hardware store materials. One

player hides somewhere with a radio, and sends intermittent transmissions, while the other player tracks them with the help of the radio's signal meter and a map. Listen to this month's episode for more information on how to join the fun.

The *On the Air* and *Eclectic Tech* podcasts are sponsored by Icom. Both podcasts are available on iTunes (iOS) and Stitcher (Android) as well as on Blubrry - - [On the Air](#) | [Eclectic Tech](#)

Amateur Radio in the News

["Ham radio and the world of amateur radio operators"](#) / Canadian Geographic (Canada) August 30, 2023 -- Society of Newfoundland Radio Amateurs.

["Neighborhood Radio Watch seen as way to strengthen emergency communications"](#) / Buffalo Bulletin (Wyoming) September 5, 2023 -- The Buffalo Amateur Radio Klub (BARK) is an ARRL Affiliated Club.

["Amateur radio hobbyists share historic Texas lighthouse restoration story with world"](#) / Beaumont Enterprise (Texas) September 6, 2023 -- Sabine Pass Lighthouse restoration.

["Tehachapi radio club looking for new members"](#) / The Renegade Rip (California) September

6, 2023 --The Tehachapi Amateur Radio Association is an ARRL Affiliated Club.

["Get your start in the world of amateur radio"](#) / Adirondack Daily Enterprise (New York) September 7, 2023 -- Champlain Valley Amateur Radio Club.

["Focused on Mississippi: Amateur radio operators"](#) / WJTV (Mississippi) September 11, 2023 - *The Jackson Amateur Radio Club is an ARRL Affiliated Club.*

["Ham radio operators from throughout state gather in Ridgeland Saturday. See why."](#) / The Clarion- Ledger (Mississippi) September 11, 2023 - *The Jackson Amateur Radio Club is an ARRL Affiliated Club.*

["ECN training specializes in keeping up communication when it's critical"](#) / Minnesota Department of Public Safety, September 7, 2023 -- Emergency Communication Networks.

["Cambridge amateur radio club off the air after equipment stolen, damaged"](#) / CBC News (Canada) September 13, 2023 -- The Cambridge Amateur Radio Club.

["Caribou group wants to install the 1st ham radio tower between Caribou and St. John Valley"](#) / Bangor Daily News (Maine) September 16, 2023 -- Caribou Emergency Amateur Radio Service.

["Meet the Gaston County man who is the oldest living ham radio operator in the U.S."](#) / The Gaston Gazette (North Carolina) September 22, 2023 -- *The Gaston County Amateur Radio Society is an ARRL Affiliated Club.*

["Ham radio event set for Sept. 30 in South Point"](#) / The Herald - Dispatch (Ohio) September 22, 2023 -- *The Southern Ohio Amateur Radio Association is an ARRL Affiliated Club.*

["Amateur radio emergency test drill Sept. 30"](#) / The Monroe News (Michigan) September 26,

2023 - The Monroe County Amateur Radio Public Service Corps.

["Longmont Amateur Radio Club to celebrate Peak to Peak Byway anniversary"](#) / Times - Call (Colorado) September 27, 2023 -- *The Longmont Amateur Radio Club is an ARRL Affiliated Club.*

["Volunteer Amateur Radio Operators restore vital communication link in Waushara County"](#) / Waushara Argus (Wisconsin) September 27, 2023 -- Waushara County Amateur Radio Emergency Service®.

Announcements

The New England Amateur Radio Festival (NEAR-Fest) will be held on October 13 - 14, 2023. NEAR-Fest is an international event run by and aimed at all radio hobbyists and enthusiasts, including hams, short-wave listeners, scanner buffs, and vintage/antique radio fans. NEAR-Fest is held biannually in the spring and fall, rain or shine, at the Deerfield Fairgrounds in Deerfield, New Hampshire. The event will begin on Friday at 0900 ET and end on Saturday at 1500 ET. NEAR-Fest typically attracts attendees from New York, New Jersey, Pennsylvania, Maryland, and other states, as well as from Quebec, Ontario, New Brunswick, and Nova Scotia, Canada. Some attendees travel great distances. One participant from Los Angeles, California, has attended NEAR-Fest 15 times, and in 2010, one radio amateur traveled from Greece. The program will feature a huge outdoor electronic flea market and three buildings full of commercial vendors, forums, technical seminars and symposiums, demonstrations, exhibits, displays, licensing examinations, special event radio stations, and a jam session. The event is the largest of its kind in the Northeast and was once described as the "Woodstock of Amateur Radio." More information is available at www.Home-NEAR-Fest.com.

The Liga Colombiana de Radioaficionados (the Colombia Amateur Radio League, LCRA) will host a worldwide special call sign activation for their 90th anniversary. The

event will begin at 17:00 UTC on Saturday, November 18, and will conclude at 23:59 UTC on Sunday, November 19, 2023. Female hams will activate 11 official stations with the following special call signs: 5K0LR, 5K1LR, 5K2LR, 5K3LR, 5K4LR, 5K5LR, 5K6LR, 5K7LR, 5K8LR, 5K9LR, and 5J3L. QSL card information and more information on the bands, frequencies, and modes can be found at Liga Colombiana de Radioaficionados - LCRA - Alma mater of Colombian amateur radio since 1933.

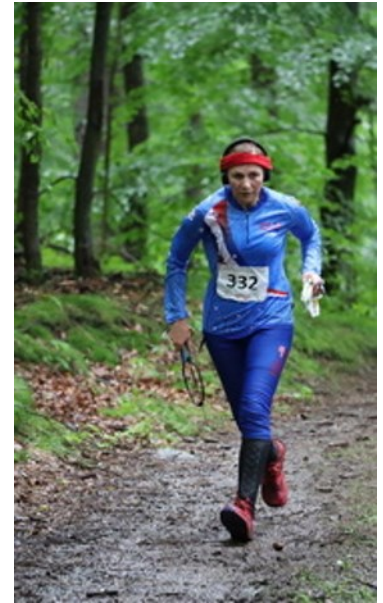
USA Radio Orienteering Team Brings Home Silver and Bronze Medals

At the 21st International Amateur Radio Union World Amateur Radio Direction Finding (ARDF) Championship in Liberec, Czech Republic, held August 27 through September 2, 2023, USA competitors won a silver medal for an individual competition, as well as two bronze team medals.

ARDF, also known as radio orienteering, is a multi-skill sport that involves running and navigation using only a map and compass.



Competitors use a 2-meter (144 MHz) or 80-meter (3.5 MHz) radio receiver to locate multiple transmitters hidden in a forest. The sport directly applies to important activities such as search and rescue, wildlife tracking, airborne and seaborne navigation, and communications. The competition at the championship in Liberec involved mountainous terrain, intricate navigation challenges, periods of rain, and elite racing.



Nadia Scharlau, KO4ADV, competing in the 144 MHz (2-meter band) classic competition. [Photo courtesy of Ondrej Pec]

The USA fielded its largest team ever, including 21 athletes, with seven competing in a world championship for the first time. The (IARU) and Czech Radio Club hosted the event in the mountainous region of North Bohemia, with 28 countries and nearly 400 racers attending.

Ruth Bromer, WB4QZG, won a silver medal in the W65 category during the 3.5 MHz "foxoring" event that combines orienteering and transmitter (fox) hunting. Nadia Scharlau, KO4ADV, and Natalia Leoni earned a bronze team medal in the W55 category 144 MHz classic competition. Several USA athletes also finished within the top 10 results in nearly all the classes, including two fourth - place finishes by Scharlau.

Scharlau was thrilled with the results. "All our newcomers performed beyond our expectations. The courses were extremely hard. We all got along and supported one another. Most importantly, almost everyone expressed their determination to improve and come back to compete again," said Scharlau.

ARRL's ARDF Committee Chair Charles Scharlau, NZ0I, who also raced, echoed the positive take on the USA team, stating, "They successfully navigated well-designed courses on rugged terrain against a field of skilled and experienced competitors. The Czech Republic is an ideal place to hold the world championships. They have great maps, excellent venues, and they know how to put on a world-class event," he said.

The USA Radio Orienteering Championship will be held in Michigan on October 7 - 13, 2024. Team USA will select its team members for the 2025 USA Championship, and that team will travel to Lithuania in 2025 to compete in the 22nd World ARDF Championship.

A complete list of the 2023 results can be found at <https://vysledky.ardf2023.cz/>.

Thanks to ARRL ARDF Committee and Event Director Joseph Burkhead, KE8MKR, for the information contained in this story.

North Carolina School Contacts the International Space Station

On August 28, 2023, students at Bowman Middle School in Bakersville, North Carolina, talked to NASA Astronaut Stephen Bowen, KI5BKB, who as on board the International Space Station (ISS).

For months, 22 students had been preparing for a 10-minute window to ask Bowen about his time and experiences on the ISS. They were able to ask 13 questions, like, "What is it like to be in space?" and, "Is the crew doing any research on diseases that affect humans?"

Section Manager of the ARRL North Carolina Section Marv Hoffman, WA4NC, presented the Supporting, Upgrading, Growing Amateur Radio (SUGAR) Award to the school and its science, technology,

engineering, and mathematics (STEM) teacher, Dan Hopson, for arranging the ISS contact.

Hopson said, "The waiting and static are suspenseful but when you hear the man's voice or that person's voice come over the air, the kids know this is really happening."



Students at Bowman Middle School in Bakersville, North Carolina, who participated in contacting the ISS on August 28, 2023, with STEM teacher Dan Hopson, back row, right. Photo courtesy of Tammy Hopson and used with parental permission.

Bowen, returned to Earth with SpaceX Crew-6 on September 5.

US Congresswoman Virginia Foxx (NC-05) also attended the event. She called the experience "a stellar opportunity." In a recent letter to her constituents in North Carolina, Foxx wrote, "*On Monday, I traveled to Bakersville in Mitchell County to meet with students, staff, and administrators of Bowman Middle School - as well as to view the school's International Space Station (ISS) contact project. As part of the project, students were able to ask questions in real time via ham radio to Steve Bowen, a NASA Astronaut who successfully traveled to the ISS on March 3 of this year. This impressive event was one that these students will surely remember as they continue their educational journeys. Congratulations to all who made this event, and learning opportunity, such a success.*"

ARISS is a cooperative venture of international amateur radio societies and the space agencies that support the ISS. In the US, participating organizations include NASA's Space Communications and Navigation (SCaN) program, the ISS National Laboratory -- Space Station Explorers, [ARRL](http://www.arrl.org), and AMSAT.

The [Collins Amateur Radio Club station, WØCXX](#), in Cedar Rapids, Iowa, is planning three special events to celebrate the 90th anniversary of Collins Radio. [Arthur A. Collins](#) (1909-1987) founded Collins Radio Company in 1933 and produced shortwave equipment before supplying equipment for the commercial broadcast industry. The company also built radios for amateur use, including the KW-1, KWS-1, KWM-1, KWM-2/2A, and KWM-380, as well as the classic S line consisting of the 75S-3A, 32S-3, 51S-1, 30S-1, and 30L-1. After several mergers and acquisitions, the company began producing avionics for the aviation and aerospace industries and is now Collins Aerospace, a subsidiary of Raytheon Technologies. On September 9, 2023, WØCXX will host a special event station celebrating Arthur Collins' birthday, from 14:00 UTC to 20:00 UTC. On October 14, 2023, a special event station will be in operation from 14:00 UTC to 20:00 UTC to celebrate the 90th anniversary of Collins Radio. On November 18, 2023, a third special event station will operate from 15:00 UTC to 21:00 UTC to celebrate the 40th anniversary of the club's charter. More information is available on the club's [website](#).

2023 SET Exercise to Test Skills and Emergency Preparedness

The ARRL Simulated Emergency Test (SET) is scheduled for October 7 - 8, 2023.

The SET is ARRL's annual national emergency exercise designed to assess the skills and preparedness of Amateur Radio Emergency Service[®] (ARES[®]) volunteers, as well as those affiliated with other organizations involved in emergency and disaster responses. The SET is open to all radio amateurs and partner organizations, in addition to national, state, and local officials. Besides ARES volunteers, those active in the National Traffic System (NTS), Radio Amateur Civil Emergency Service (RACES), National Weather Service's SKYWARN[®] Storm Spotter program, Community Emergency Response Team (CERT), and a variety of other allied groups and public service-oriented radio amateurs are needed to fulfill important roles in this nationwide exercise.

During the exercise, volunteers can assess equipment, modes, and skills under simulated emergency conditions and scenarios. Individuals can use the time to update a go-kit for use during deployments and to ensure their home station's operational capability during an emergency or disaster.

To get involved, contact your local ARRL Emergency Coordinator or Net Manager.

SET guidelines and report forms can be found at:

[ARRL Simulated Emergency Test \(SET\) Guidelines+](#)

In addition to the ARRL SET exercise, as part of their communications interoperability outreach to the amateur radio community, the US Department of Defense (DOD) will be conducting a DOD COMEX 23-4 exercise. During the week of October 16, they'll conduct a series of high-power HF information transmissions on 60 meters and channel 1 (5330.5 kHz). This event will coincide with the ARRL SET.

Amateur Radio Serves in Large Utah Bike Race

On September 9, 2023, the [Bridgerland Amateur Radio Club](#) (BARC) in northern Utah provided amateur radio communications support during [LoToJa](#), the longest 1-day USA Cycling (USAC)-sanctioned bicycle race in America. The LoToJa course consists of 200 miles of rough, mountainous terrain. BARC was prepared for the challenge and had been training and working on their communications plans for more than 3 decades.

The club's involvement with LoToJa began in 1991, when the race had 200 riders and 14 amateur radio operators. This year's event had 1,700 riders and 120 amateur radio operators, including 35 cars with amateur radio operators along for the ride. Amateur radio was engaged in every aspect of the race from start to finish thanks to assistance of operators from Ogden,

Davis County, and Salt Lake City, as well as Idaho, Wyoming, and Maryland.

Section Manager of the ARRL Utah Section Pat Malan, N7PAT, said that BARC members evaluate their operating skills and equipment, which is the best form of preparation for emergency communications. "It's a tremendous effort and dedication from everyone," Malan said.

Youth Coordinator for the ARRL Utah Section and former BARC President Kevin Reeve, N7RXE, said the teams deployed two mountaintop portable repeaters (using batteries and solar power), three portable digipeaters, and a portable IGate throughout the racecourse, in addition to setting up four command and net control centers. Reeve explained, "This provided continuous audio and an Automatic Packet Reporting System (APRS) for the 35 cars covering the entire event."

Reeve went on to say that this year, a family needed to contact one of the riders because of an emergency. He stated, "There was no cell phone coverage, but we were able to locate the cyclist in about 5 minutes, then reunite them with their family in 15 minutes."

BARC also provided emergency communications for at least two other large-scale cycling events this year, including the Little Red Riding Hood event that had 3,500 women cyclists and 70 ham radio operators, and the Cache Gran Fondo event that had 1,500 cyclists.

BARC was founded in 1976 by Jeff Jacobsen, WA7MBL; Bob Wood, WA7MXZ, and Bill Neville, WA7KMF (SK), and it exists for the training and fellowship of amateur radio operators. The club currently has 227 members.

[The Nantucket Amateur Radio Association participated in the International Lighthouse-Lightship Weekend on August 19 - 20, 2023.](#) The club shared a video of members setting up for the event despite constant wind speeds of 30. Watch the video at: <https://youtu.be/SoOwPDnzugU>

Fair Season Puts Ham Radio on

Exhibition

It is autumn across the United States, and with the season draws changing colors, pumpkin spice everything, and agricultural fairs. Many amateur radio clubs and groups use the fairs as an opportunity to get ham radio in front of new and curious audiences. In New England, The Big E is a multi-state fair in West Springfield, Massachusetts, from September 15 to October 1, 2023.

Located inside the Better Living Center is "Project Big E". It was conceived in 2021 by Larry Krainson, W1AST, and other members of the [Hampden County Radio Association](#) (HCRA), who envisioned a booth that would demonstrate the many aspects of modern ham radio and provide an avenue to sign up for information and courses in their local area.



Greg Bonaguide, WA1VUG (left), Christy Bonaguide, KF4UXP (middle), with Ray Lajoie, AA1SE (right), Section Manager of the ARRL Western Massachusetts Section. [Section Manager of the ARRL Rhode Island Section, Nancy Austin, KC1NEK, photo.]

Order this [radio communications banner](#) for your club from the ARRL Store.

This year's event includes an EmComm display; D-STAR and other digital mobile mode demonstrations; digital HF modes on a big screen; SSB, CW, and other digital modes, and demonstrations of portable stations for field operations like Parks on the Air and Summits on the Air. The exhibit will also highlight youth in

ham radio.

The Project Big E booth (#103) is staffed 12 hours each day by 10 clubs and over 80 individuals from across New England. At the booth table there are two hand-made telegraph keys. Visitors are shown how to print and send their name in Morse code.

ARRL was represented at the 2023 National Championship Air Races and Air Show for the "Final Flag at Reno."

The [Reno Air Races](#) have been a tradition in Nevada since 1963 but will have a new home (location to be determined) in the future. Terry Griffin, NL7BI, and Bob Miller, WA6MTY,



Terry Griffin, NL7BI (left) visits with Steve Thompson, N7TX, at the ARRL booth at the final Reno Air Races. [Bob Miller, WA6MTY, photo.]

WA6MTY, had a booth at the Reno-Stead Airport to greet race fans with a message about amateur radio. Steve Thompson, N7TX, a pilot and [STOL Drag](#) official, stopped in between races for a photo. [STOL Drag combines a short takeoff and landing competition with a drag race](#). It has become increasingly popular in recent years as backcountry aviation rises in popularity, similar to the rise in outdoor operating seen in amateur radio through programs such as [Parks on the Air](#).

Hal Stockman, foreground in the white Rans S-7 "Lawn Mower III", races Harry Beaupre in the yel-

low Kitfox in a STOL Drag race at the 2023 National Championship Air Races and Air Show.

[Click here to see the full resolution image.](#) [Karen Hansen, photo.]

Solar Eclipse QSO Party Seeks Amateurs and Radio Enthusiasts for Global Experiment

ARRL is proud to partner with HamSCI to help promote participation in the Solar Eclipse QSO Party (SEQP). SEQPs are a series of global experiments -- and you can be a part of them. Solar eclipses will pass across the continental United States on October 14, 2023, and April 8, 2024. During these celestial events, you can join thousands of fellow amateurs as part of the largest crowd-sourced event for ham radio scientific exploration. The SEQP is part of the Festivals of Eclipse Ionospheric Science and is for learning more about how the ionosphere works.

All radio amateurs need to do is operate using any mode and any band for all or part of the day, then upload their logs. Participation can be from anywhere; you don't need to be near the path of the eclipse to contribute valuable data. You don't even have to be a licensed ham to participate in the experiment (only to transmit).

For SEQP contest and rules, visit www.hamsci.org/contest-info.

For information on the Gladstone Signal Spotting Challenge using CW, WSPR, and FST4W, go to www.hamsci.org/contest-info.

If you're an SWL or AM DXer, you might be interested in the Medium Wave Recording Event. Go to www.hamsci.org/mw-recordings/ for more information.

Or just get on the air and help provide data to better understand the ionosphere.

The first SEQP is on Saturday, October 14, 2023, from 1200 - 2200 UTC, and participants may use any band or mode (except WARC bands). Researchers will take the submitted logs and work to derive meaningful observations

from the data.

ARRL members can find out more about the SEQP by reading "The Solar Eclipse QSO Party: A Fun Way to Support Radio Science" in the September/October 2023 issue of *On the Air* magazine. The On the Air podcast will feature the article's author, Gary Mikitin, AF8A, talking about the event. The episode will go live on October 12.

Students Wanted: Talk to an Astronaut via Amateur Radio in 2024!

There's an opportunity for STEM education via amateur radio that will put students in contact with astronauts. The Amateur Radio on the International Space Station (ARISS) program is seeking formal and informal education institutions and organizations, individually or working together, to host an amateur radio contact with a crew member aboard the International Space Station (ISS). ARISS anticipates that the contacts will be held between July 1 and December 31, 2024. Crew scheduling and ISS orbits will determine the exact contact dates.

To maximize these radio contact opportunities, ARISS is looking for organizations that will draw large numbers of participants and integrate the contact into a well-developed education plan. The voice-only radio contacts are approximately 10 minutes long and allow students to interact with the astronauts through a question-and-answer session. Students also have an opportunity to learn about satellite communication, wireless technology, and radio science.

The deadline to submit a proposal is November 10, 2023. Proposal information and more details, such as expectations, proposal guidelines, and the proposal form, can be found at www.ariss.org. An ARISS proposal webinar session will be held on October 5, 2023, at 7 PM ET. Visit <https://ariss-proposal-webinar-fall-2023.eventbrite.com> sign up.

ARISS is a cooperative venture of international

amateur radio societies and the space agencies that support the ISS. In the US, participating organizations include NASA's Space Communications and Navigation program (SCaN), the ISS National Laboratory -- Space Station Explorers, [ARRL](http://www.arrl.org), and AMSAT.

Additional information is available at [ARISS.org](http://www.ariss.org).

AMI Jamboree Scheduled for November

The 2023 [Amplitude Modulation International \(AMI\) Jamboree](http://www.amimod.com) will be held over the Thanksgiving weekend, starting at dusk on November 24 and ending at dawn on November 27.

AMI Executive Director John C. McGrath, N9AMI, said the jamboree is not a contest but rather an AM-only operating event. "Everyone is welcome to participate, and there is a certificate available for those who contact 25 stations and submit a log," said McGrath. "Each class winner will receive a certificate, and a short biography will be posted on the AMI website. While the age of the equipment doesn't matter, there must be an AM mode selection on the radio," he added.

The preferred AM bands for operation are:

- 160 meters: 1.885, 1.900, 1.945, 1.985
- 80 meters: 3.870 to 3.890
- 40 meters: 7.175, 7.290, 7.293, 7.295

20 meters: 14.286 and the upper end of 20 meters

According to the club's history, AMI was formed in 1993. The name was taken from a west coast amateur radio club that was no longer in operation. AMI is now dedicated to the enjoyment, promotion, and preservation of AM. Club memberships include numbered membership certificates, an organization of 10 regions with directors, annual operating events, local club support, and the monitoring of activities that affect AM operations. While the FCC reduced the peak-envelope power measurement for AM, they also

issued a statement in support of continuing the mode's important place in amateur radio.

More information is available on the [AMI](#) website.

The Intrepid-DX Group has announced their 4th Annual Youth Dream Rig Essay Contest. The [Intrepid-DX Group](#) is a US-based nonprofit organization that promotes amateur radio activities around the world. The Youth Dream Rig Essay Contest is designed to gather the views and ideas of young people involved in amateur radio. Contestants must be USA or Canadian amateur radio license holders who are 19 years old or younger; must reside in the US, US territories, or Canada, and they must submit a two-page essay explaining what attracted them to amateur radio. All entries must be a plain text document, PDF, or Microsoft *Word* document and be either emailed to intrepiddxgroup@gmail.com or mailed to The Intrepid-DX Group, 3052 Wetmore Dr., San Jose, California 95148, USA by November 30, 2023. Those who have previously submitted an essay may compete in this year's contest, as long as all criteria are met. The contest winner will be announced on the group's website and Facebook page on December 15, 2023. The winner must agree to provide a photo with their prize. For a complete list of the rules and prizes, visit <https://intrepid-dx.com/news/>.

On Wednesday, October 4, 2023, the Federal Communications Commission (FCC) and the Federal Emergency Management Agency (FEMA) will jointly conduct a nationwide test of the [Integrated Public Alert and Warning System \(IPAWS\)](#). The test is being conducted to make sure that the [Emergency Alert System \(EAS\)](#) and [Wireless Emergency Alerts \(WEAs\)](#) are working properly. The test will begin at approximately 2:20 PM ET and will be split into two sections. The first alert will test the WEAs, and the second will test the EAS. Your cell-network based mobile devices will alert at that time.

Save the date for the upcoming Jamboree On The Air (JOTA) October 20 - 23, 2023. [Jamboree-on-the-Air](#) provides the opportunity for millions of Scouts around the world to meet on the air via Amateur Radio.



[ARRL](#) JOTA info.

**BARC Website, some Blog
page Titles******* Membership Dues*****

Even more than this on the
website.

Feel free to view, comment and
add.

Membership dues for BARC are due **January 1** every year. Membership dues are as follows and are almost the same as 2020: • Regular Member \$20.00 • Family Member \$2.00 • Associate Member (Non-Licensed) \$5.00 • Honoree Members \$0.00 • New Hams: Free first calendar year (Jan. to Dec.)

We are requesting that you send the application form in, so that we can have your correct information on file. The form can be downloaded at:

<https://n4pvh.files.wordpress.com/2020/11/application-for-membership.pdf>

Please give the application and dues to the Treasurer at the meeting or mail your dues, along with the member application form to:

Brightleaf Amateur Radio Club, P.O. Box 8387, Greenville, NC 27835

Or go to <https://w4amc.com/membership/> to use PayPal at the page bottom.

If there are any questions concerning membership status or dues, please contact Treasurer@w4amc.com.

Thank you for your continued support and participation in BARC.

****Renew/Join Now****
Help Support BARC.

HURRICANE AND EMERGENCY INFORMATION RESOURCES

National Hurricane Center
<https://www.nhc.noaa.gov/>

Tropical Tidbits (current forecast models)
<https://www.tropicaltidbits.com/>

Active Red Cross Shelters
maps.redcross.org/website/maps/ARC_Shelters.html

Red Cross Safe and Well
www.redcross.org/get-help/disaster-relief-and-recovery-services/contact-and-locate-loved-ones.html

Facebook Safety Check
www.facebook.com/about/safetycheck

Hurricane Watch Net
hwn.org

VOIP Hurricane Net
voipwx.net

Amateur Radio at the National Hurricane Center
www.WX4NHC.org

FEMA - Federal Emergency Management Agency
www.fema.gov

Ready.gov - Plan ahead for disasters
www.ready.gov

Hurricane Central - The Weather Channel
<https://weather.com/storms/hurricane>

Nets to Know

[Caribbean Emergency Weather Net](#) - Meets daily at 1030Z and 2230Z on 3815 kHz.

[Hurricane Watch Net](#) -- 14.325 MHz, 7.268 MHz -- Activated whenever a hurricane is within 300 nautical miles of expected landfall. Dis-

seminates storm information and relays meteorological data to National Hurricane Center via embedded NHC station WX4NHC. Also relays post-storm damage reports and other relevant information.

[Intercontinental Net](#) operates from 7 AM to noon US Eastern Time on 14.300 MHz, providing a means of emergency communications to any location where normal communications are disrupted.

[Marine Maritime Services Net](#) -- 14.300 MHz -
- The network acts as a weather beacon for ships during periods of severe weather and regularly repeats high seas and tropical weather warnings and bulletins from the National Weather Service and the National Hurricane Center.

[Salvation Army Team Emergency Radio Network](#) (SATERN) -- 14.260 MHz -- The purpose of the SATERN net is to support the Salvation Army operations in local, regional and international disaster situations. - *ARRL US Virgin Islands Section News*

WinLink Nets and Practice

Great Lakes Area Winlink Net

A new Great Lakes Winlink Net to promote the use of Winlink and training on the various facets of the hybrid amateur radio data/internet system. The net is open primarily to those states that border any of the Great Lakes: Minnesota, Wisconsin, Illinois, Indiana, Michigan, Ohio, Pennsylvania, and New York, and the Canadian province of Ontario. However, radio amateurs wishing to check in from other states or provinces anywhere are welcomed to participate. This net is modeled on the [Wisconsin ARES Winlink net](#).

The net check-in process is as follows: Send either a basic, plain text message, or use any of the forms templates on the Winlink Express platform available that will allow you to include the following line of text in the body of the message or in an appropriate part on the form you choose to send: FIRST NAME, CALLSIGN, CITY, COUNTY, STATE, COUNTRY. For example: RYAN, KB8RCR, REMUS, MECOSTA, MICHIGAN, USA.

The net is on each Wednesday, amateurs may send their messages or forms any time during the day using Winlink in any mode available, RF or via Telnet. Send your message to KB8RCR as the recipient on Winlink. - *Ryan Lughermo, KB8RCR, ARRL Assistant Section Emergency Coordinator for Data Management/Special Projects, Michigan Section; and Official Relay Station From ARES*

March 2021 Newsletter (Editors Note: Great way to learn and practice)

The EmComm Training Organization (ETO) will continue the popular Winlink Thursday exercises to foster Winlink-knowledgeable operators across the country. Procedures will include a weekly exercise for routine practice with a fourth Thursday exercise of a more challenging nature. Exercises will almost always include a Winlink Express Check-in form. Please [send questions about Winlink Thursdays](#). Questions about the ETO group can be sent [here](#).

The Canadian American Net ([CANAM](#)) aims to unite hams in the Eastern US and Canada. Some 40 amateurs from Canada and the US typically check in for each session, and the net accommodates CW and SSB. The Canadian-American Net operates 7 days a week on 7.153 MHz, with check-in starting at 1300 UTC.

Recommend: Programming your local Emergency Simplex frequency's into your Radio's. It's easier now than when you need them. Brightleaf Amateur Radio Club uses the Repeater frequency in Simples in case of Repeater failure.

National Hurricane Center
[Voice over Internet Protocol \(VoIP\) Hurricane Net](#), Nets:
14.325MHz, 7.268MHz

NETS

VHF/UHF

- ◆**BARC Net**, Mondays, 2000 on 147.09 MHz, W4GDF Repeater.
- ◆**Down East Hospital Net**, 2nd Tuesday of each month at noon
Greenville 444.725 MHz, 91.5 tone
N4HAJ, Traffic Net 2030 local
Fountain 444.425 MHz, 88.5 Tone
N4HAJ
- ◆Newport-145.450..... IRLP 8561 links to Columbia
- ◆Jacksonville-147.000- 88.5 tone
- ◆Oriental-147.210-151.4 tone
- ◆444 Newport-444.825- 88.5 tone
- ◆Swansboro-146.760- 88.5 tone
- ◆Grantsboro-145 230 - 85.4 tone.
- ◆Kinston Amateur Radio Society Net, 1,3,4 Tuesdays, 2000 hrs. on 145.47 MHz., W4OIX repeater in Kinston.
- ◆Eastern North Carolina Traffic Net, Every night, 2030 on 444.725-91.5 tone.
- ◆Wilson Amateur Radio Club Net, Thursdays @ 2000 on 146.76 MHz.
- ◆ Piedmont Coastal Traffic Net, Nightly 2030 on 444.725MHz, 91.5 tone
- ◆Carteret County ARS (CCARS) Emergency Net, Tuesdays, 1930 on the Newport 145.45 (-) MHz, tone 100
- ◆Coastal Emergency Linking Net, Wednesday, 2100 ET on Ahoskie 145.13, Buxton 145.15, Columbia 146.835 & 443.30, Elizabeth City 146.655, Greenville, 145.35, Hertford 147.33, Williamston 145.41 & 444.25
- ◆ 220 Net, Wednesday 2000hrs, 224.840 MHz -1.6, PL 91.5
- ◆ PARC Bath Repeater 146.955 PL Tone 131.8 1st Thursday of month at 2000 hours

HF

- Tar Heel Emergency Communications Net on 3923 kHz Nightly 1930.
- PARC Tuesday net 3.807Mhz SSB 1900 hours(EST)
- NTS CW Nets**
- ◆3.571 2000 hours, slow speed (5-8 wpm) Carolinas Slow Net
- ◆3.573 1900 hours, high speed (20wpm)
- ◆3.573 2200 hours, slow speed (12-14 wpm), South Carolina/North Carolina
- National Traffic System**
- Eastern North Carolina Traffic Net (ENCTN)
146.685 (146.085 in) MHz (PL 88.5)
2030E

More Nets:

New Swap and Trade Net - There will be a new swap and trade net starting up on 6 meters 53.25 N4YR repeater -1.0 MHz, tone is 100 Hz at 8PM.

Thursdays: 8:30 PM Forsyth County Auxcomm net on 145.47 MHz. 3rd Thursdays are training programs on Zoom at 8:00PM.

Thursdays: 9:00 PM 2 Meter SSB on 144.200 MHz

Sundays: 8:30 PM 6 meter SSB net on 50.155 MHz

Sundays: CW Legacy Net every Sunday from 12:30-1:45 p.m. every Sunday afternoon on 7.060. All speeds and brands of rigs welcome. Net control: Rick, WO8L

Tar Heel Emergency Communications Net on 3923 kHz Nightly 1930.

South Carolina/North Carolina National Traffic System CW Nets 3.571 2000 hours, slow speed (5-8 wpm) Carolinas Slow Net 3.573 1900 hours, high speed (20wpm) 3.573 2200 hours, slow speed (12-14 wpm),

Ten-Tec Legacy

The nets operate on: Ten-Tec Legacy SSB 3.927 MHz on Saturday morning from 6:00 am until 9:30 am

7.195 MHz on Sunday afternoon from 1:30 pm until 3:30 pm

Any radio type is welcome. Netlogger is the preferred check-in method but CQ calls are made for those that don't have access to Netlogger. More information can be found at www.groups.io (search for Ten-Tec Legacy nets).

Virginia EmComm (A Winlink practice group)

This is a Facebook Group that practices Winlink and other related modes every Wednesday. Many Hams

all over involved. All are invited to take part in it.



Ham Ads



Ham Ads will be run, free of charge in Ham Chatter for three months for each renewal. Ads must be received by the last week of the month to be included in the following issue. Send ads to: **Ham Chatter, PO Box 8387, Greenville, NC 27835. Or Email the Ham Chatter.**

Used Radios and equipment for Sale, Buy or Find:

Looking for tower sections

Ham looking for a tower or pieces of Rohn 25 tower. If you have something to sell or to get rid of, please email:

Scott Pollard K4SWP at deputyscoot@gmail.com.

Aug 2023

HF AMPLIFIERS FOR SALE I have just taken several pieces of Estate gear under my wing. Might you have any interest in the following Amps: Drake L-4 w/PS, Heath SB-220, Henry 3A Floor, Henry 2K-3 Floor, Chuck, W4HF k4hf95 (at)yahoo (dot)com

Sept 2023

Ham Ads

Commercial Ad Rates

1/8 page, Business Card Size
 \$10 per Month - \$100 per Year
 Send ads to: **Ham Chatter,**
PO Box 8387, Greenville, NC 27835
 Help support *Ham Chatter* and the club.
Donations accepted!

No Charge for Ham's selling or looking for items.

How to print a copy of your FCC License

by Jim, KV4SJ

To access an official copy of your license:

1. Go to: [HTTPS://wireless2.fcc.gov/UlsEntry/licManager/login.jsp](https://wireless2.fcc.gov/UlsEntry/licManager/login.jsp)
2. Log in with your FRN and password. (Also has links to find or get your FRN.)
3. Click on "Download Electronic Authorizations" in the links on the left hand side.
4. Select your call sign in the box labeled "My Authorizations" and click on the Add button to copy it into the "Authorizations to Download" box.
5. Click on the Download button to download an official copy of your license in PDF format.
 via *Forsyth ARC Newsletter, August 2020*

BARC on FACEBOOK

<https://www.facebook.com/w4amc/>

Facebook and Group details

<http://www.w4amc.com/barcnews.html#BARC>

Pitt County Repeater Association

<http://www.pcra.us/>

Monday & Monday, CPA's, PA

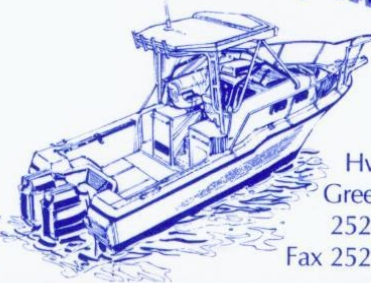
Certified Public Accountants

TERRY A. MONDAY, CPA, CVA, EA
K4ZYD

105-D East Victoria Ct.
 Greenville, NC 27858

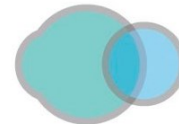
Phone (252) 321-6007
 Fax (252) 321-2991

MARK'S MARINE, INC.



Mark Langley
 Mike Langley
KD4MTT

Hwy. 33 East
 Greenville, NC
 252 758-3309
 Fax 252 758-1396



East Carolina Retina CONSULTANTS

Peter Van Houten, M.D.

2501a Stantonsburg Road
 Greenville, NC 27834

252-758-2402

<https://ECRetina.com>

CALENDAR OF EVENTS

Contest, Events and Meetings

2023 Starts Here: Just some of the MANY contests and Events

October 1 -- UBA ON Contest, SSB (phone)

October 1 -- Peanut Power QRP Sprint (CW, phone)

October 2 -- RSGB 80m Autumn Series (CW)

October 3 -- ARS Spartan Sprint (CW)

October 4 -- 432 MHz Fall Sprint (CW, phone, digital)

Oct 7-8 The ARRL Simulated Emergency Test (SET) [ARRL Simulated Emergency Test \(SET\) Guidelines+](#)

Oct 10 BARC Meeting 6:30pm, **Speaker:** Dale Burmester, About FT8 Digital mode.

Oct 13-14 The New England Amateur Radio Festival (NEAR-Fest)

Oct 14 BARC Breakfast 9am

Oct 12 **Pamlico** Meeting 7pm

Oct 20 - 23 **Scouting Jamboree on the Air** [Jamboree-on-the-Air](#)

Oct 24 BARC Board 7pm Zoom Week early.

Nov 14 **BARC Meeting and Elections for Board, 6:30 pm**

Nov 9 **Pamlico** Meeting 7pm

Nov 18-19 Liga Colombiana de Radioaficionados (the Colombia Amateur Radio League, LCRA) will host a worldwide special call sign activation for their 90th anniversary.

Nov 18 BARC Breakfast 9am

Nov 24—27 2023 [Amplitude Modulation International \(AMI\) Jamboree](#)

Nov 28 BARC Board meeting 7pm

Dec 14 **Pamlico** Meeting 7pm

Dec 11 BARC **Christmas Party, 6 pm**, Emmanuel Baptist Church

Dec 26 BARC—No Board Meeting

2024 Starts Here:

Contest Calendar: For more Contest and all the rules:

<https://www.contestcalendar.com/weeklycont.php>

Visit the [ARRL Contest Calendar](#) for more events and information.

Bruce Horn, WA7BNM, [Contest Calendar](#) website. The site now includes a [5-Week Calendar](#) . There's more than I could post available.

BARC Meetings are open to all.

BARC Regular Meeting - 2nd Tuesday @ 6:30 PM Live and Zoom

BARC Board Meeting - Last Tuesday @ 7:00 PM ZOOM Except in December.

Year-long -- [ARRL Volunteers On the Air \(VOTA\)](#). See also the State

CALENDAR OF EVENTS

Upcoming Section, State, Division Conventions and Hamfest

2023:

October 6 - 7, [Slidell EOC Hamfest](#), sponsoring the ARRL Louisiana State Convention, Slidell, Louisiana

October 7, [Wichita Area and Kansas State Hamfest](#), sponsoring the ARRL Kansas State Convention, Wichita, Kansas

October 7, [71st Rock Hill Hamfest](#), sponsoring the ARRL South Carolina Section Convention, Rock Hill, South Carolina

October 8, [Nutmeg Hamfest](#), hosting the ARRL Connecticut State Convention, North Haven, Connecticut

October 13 - 14, [Melbourne Hamfest](#), hosting the ARRL Florida State Convention, Melbourne, Florida

October 14, [ARRL Minnesota State Convention](#), Richfield, Minnesota

October 13 - 14, The New England Amateur Radio Festival (NEAR-Fest). The event is the largest of its kind in the Northeast and was once described as the "Woodstock of Amateur Radio." More information is available at www.Home-NEAR-Fest.com.

October 20 - 22, [Pacificon](#), hosting the ARRL Pacific Division Convention, San Ramon, California

November 4 - 5, [Stone Mountain Hamfest](#), hosting the ARRL Georgia State Convention, Lawrenceville, Georgia

November 4, [Wisconsin ARES/RACES Conference 2023](#), hosting the ARRL Wisconsin Section Convention, Wisconsin Rapids, Wisconsin

November 18 - 19, [Fort Wayne Hamfest and Computer Expo](#), hosting the ARRL Central Divi-

sion Convention, Fort Wayne, Indiana.

December 8 - 9, [Tampa Bay Hamfest](#), hosting the ARRL West Central Florida Section Convention, Plant City, Florida