

# Ham Chatter



Volume 59 Issue 6

An Official BARC, W4AMC, and PARC, Publication

June 2025

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## Get ready for 2025 ARRL Field Day, June 28 - 29.

This year's theme is "Radio Connects." Get all the resources to start preparing for your participation at [www.arrl.org/FieldDay](http://www.arrl.org/FieldDay), and order t-shirts and other official gear at [www.arrl.org/shop/FieldDay](http://www.arrl.org/shop/FieldDay). The June issue of *QST* magazine will include a special section with additional advice and tips for Field Day, sponsored this year by [LDG Electronics](http://LDG Electronics). The digital edition of June *QST* will be available on May 2, 2025.

### A request received by the Editor

Hello Mark,

I am KD2GUT, an operator on an international team that will be activating a global special event that has grown over the years, carrying the message of kindness and humane treatment of pets needing rescue from abuse and neglect. Many of us in the ham radio community treasure our own animals so much – often as companions in our shacks and on our adventurous activations. Now it is time to advocate for others.

Our annual special event will be throughout August – first for cats and then for dogs – in connection with the respective national/international days of observance designated for both animals. Please can you include our article in your newsletter?

If you have any questions at all, please don't hesitate to contact me at this email address.

73 with big thanks in advance,  
Caryn Eve Murray KD2GUT  
United States Team Leader for K2D

See Page 3 for Email.

**BARC June 10, 6:30pm in person.**  
*All members, families and guests are invited to attend.*

**Oakwood School, 4000 MacGregor Downs Road. Greenville, NC 27834 .**

May meeting is Field Day Planning.

**PARC June 12, 7:00 PM** at Zion Episcopal Church, Washington, NC  
Presentation by Patrick Bolan, KJ7JSU on Geochron.

BARC Breakfast location "The Bake My Day" at 2803 Evans St, Greenville, NC. Remember, it's on the Saturday following the General meeting.

**Q:** I'm interested in participating in Field Day for the first time this year. How can I find a club near me that's hosting Field Day so that I can join in on the fun?

**A:** You can search for nearby Field Day sites with the Field Day Site Locator at [www.arrl.org/field-day-locator](http://www.arrl.org/field-day-locator). The tool provides locations, talk-in frequencies, and contact information for sites located throughout the United States and Canada.

**BARC Board Meeting - June 24, 2025. ZOOM**

## 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](http://www.hamradioPrep.com)  
[HamStudy.org](http://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 :

|       |        |          |
|-------|--------|----------|
| 06-11 | WA4SLC | Bill     |
| 06-12 | n/c    | Lindalee |
| 06-20 | KN4VJR | David    |
| 06-27 | W4JNC  | Richard  |
| 07-12 | KG4CZW | Bonnie   |
| 07-24 | WA4MOK | Bernie   |
| 07-29 | W4YDY  | Dave     |

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

[hamchatter@w4amc.com](mailto: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:

The Families of the Hams who will be at their radios for long hours during Field Day.

*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](mailto:info@w4amc.com)

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## **An upcoming Event that has been requested to be included**

When a group of radio operators begin calling “CQ International Dog Day” in August, they’re not just looking for QSOs.

They are in search of people who have room in their hearts to help the abandoned, abused and homeless dogs around the world in whatever way they can. These dozen or so special event operators know the power of rescue because they’ve been deeply involved in it themselves : Hanz YL3JD and his wife opened their home – first in Holland, later in Latvia – and have given needy dogs a second chance at a new family. In Australia, and later in Germany, Ed DD5LP and his wife discovered – several times – that their household was incomplete without canine company. Many of the other operators’ rescued dogs were adopted after hard lives on the street; others were at the pound, hours away from being euthanized.

International Dog Day (and in the US, National Dog Day) is August 26 every year. The tradition was created by US pet advocate Colleen Paige as a day to recognise the needs of society’s unwanted and cast-off dogs and affirm the commitment to adopt, donate or raise awareness of their special needs.

Hanz amplified the original message by adding an amateur radio component in 2022, taking the special-event callsign YL1DOG and operating as a single station. The following year he was joined by Chris, G5VZ, and David, G4YVM, in the UK. By 2024, a team of eight US rescue-dog advocates, operating as K2D, had come on board. This year is the biggest yet, as hams in Germany and other countries run with the pack. All operators will be looking to hear from dog-lovers and supporters in either CW or SSB on HF, on VHF/UHF simplex, or via DMR and Echolink.

The international team has added incentive certificates, including special endorsements such as “Full Kennel,” the equivalent of a clean sweep. Their website, [dogdayradio.org](http://dogdayradio.org), is updated regularly with the operators’ special-event callsigns, their operating schedules, a chance to meet the dogs who inspired them and hear their stories.

In case you are wondering where the cats are – well, they’re running ahead of the dogs! International Cat Day will be operating as a separate event, two weeks before the Dog Day operators get on the air – and they will be carrying a similar message for cat-rescue awareness. See [catdayradio.org](http://catdayradio.org) for details.

For live updates of both events, to search for the different callsigns, to see the operators’ schedules or to apply for and download award certificates visit these links when they become available:

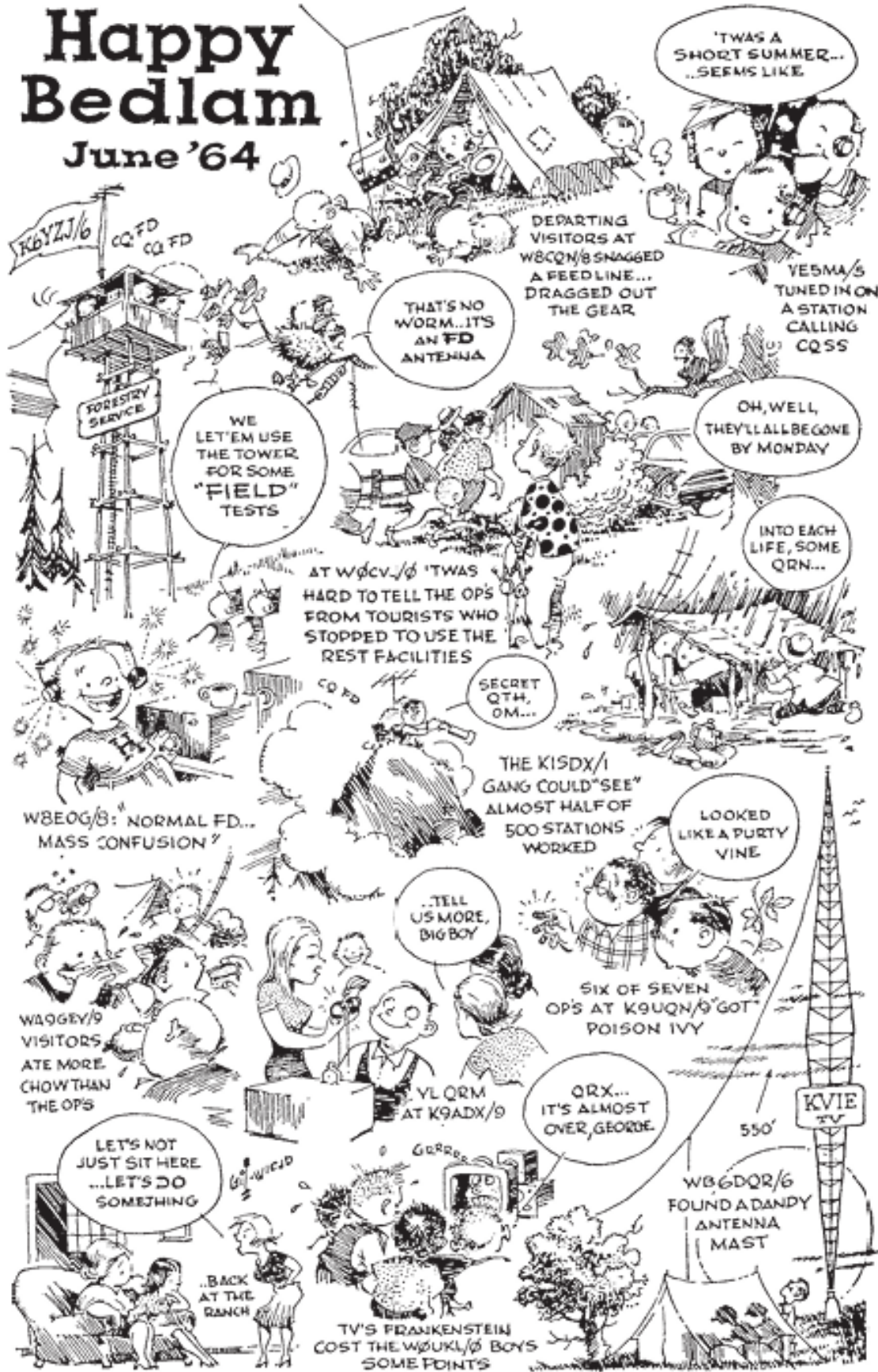
<https://hamlog.online/icd>

<https://hamlog.online/idd>

Meanwhile, be aware that all special-event operators will be working like dogs – and why not? – because they want to hear and share as many rescue stories as they can.

# Happy Bedlam

June '64



'T WAS A SHORT SUMMER...  
..SEEMS LIKE

DEPARTING VISITORS AT  
W8CQW/SNAGGED  
A FEEDLINE...  
DRAGGED OUT  
THE GEAR

VE5MA/S  
TUNED IN ON  
A STATION  
CALLING  
CQSS

THAT'S NO WORM...IT'S  
AN FD  
ANTENNA

WE LET'EM USE  
THE TOWER  
FOR SOME  
"FIELD"  
TESTS

OH, WELL,  
THEY'LL ALL BE GONE  
BY MONDAY

INTO EACH  
LIFE, SOME  
QRN...

AT W4CV/J 'T WAS  
HARD TO TELL THE OPS  
FROM TOURISTS WHO  
STOPPED TO USE THE  
REST FACILITIES

SECRET  
QTH,  
OM...

THE K1SDX/I  
GANG COULD "SEE"  
ALMOST HALF OF  
500 STATIONS  
WORKED

LOOKED  
LIKE A PURTY  
VINE

W8EOG/S: NORMAL FD...  
MASS CONFUSION?

..TELL  
US MORE,  
BIG BOY

SIX OF SEVEN  
OPS AT K9UQN/O GOT  
POISON IVY

WAGGEY/O  
VISITORS  
ATE MORE  
CHOW THAN  
THE OPS

QRX...  
IT'S ALMOST  
OVER, GEORGE.

YL QRM  
AT K9ADX/O

LET'S NOT  
JUST SIT HERE  
...LET'S DO  
SOMETHING

WB6DQR/G  
FOUND A DANDY  
ANTENNA  
MAST

..BACK  
AT THE  
RANCH

TV'S FRANKENSTEIN  
COST THE W4UKL/O BOYS  
SOME POINTS

# BARC's President's Corner, Nick KQ4PXG

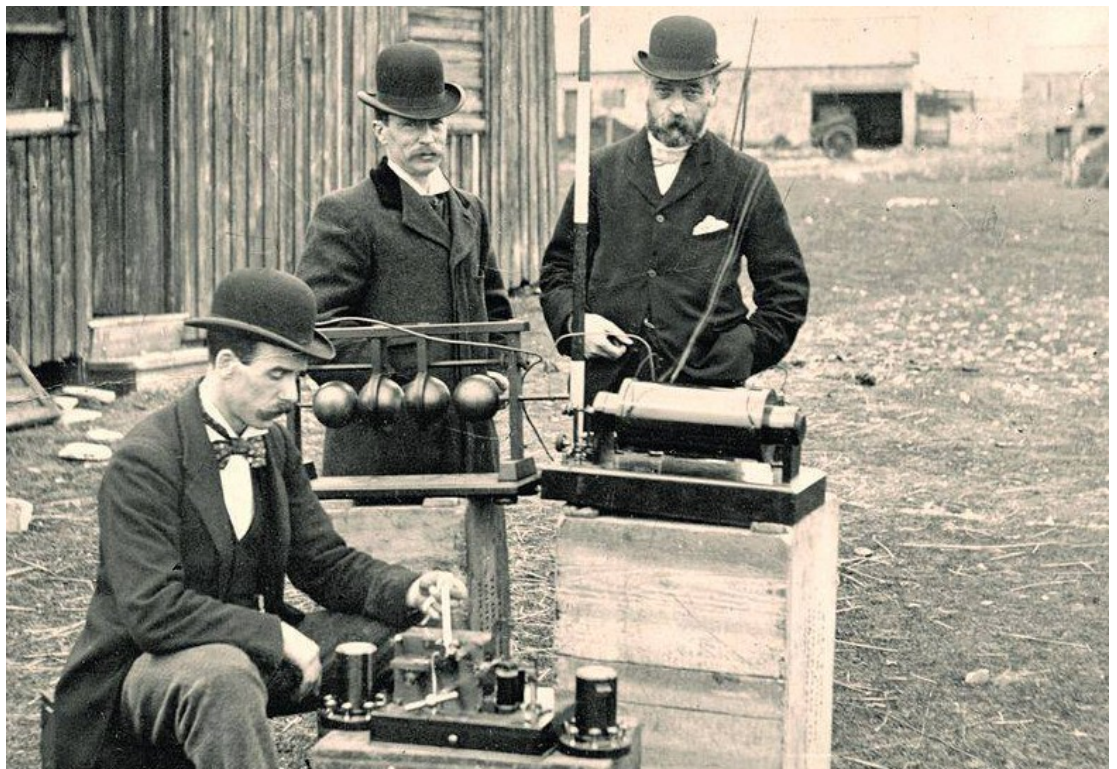


Hello Brightleaf Members,

The third annual PARC-BARC picnic was a great success with a huge turnout! Dozens of amateurs gathered for a swap-meet, good food, and fellowship. June now brings us Field Day on the 28th. We will be operating from the Oakwood School, but this year we will move to a new room to accommodate changes from last years' construction. Final plans for Field Day will be discussed at the meeting on June 10th, but I expect we'll have a work day before Field Day to ensure all the equipment is prepared for deployment.

73,

Nick Peaden KQ4PXG



1900 Field Day

# W1AW Schedule

| PAC                      | MTN                     | CENT                    | EAST                     | UTC       | MON                    | TUE       | WED       | THU       | FRI       |
|--------------------------|-------------------------|-------------------------|--------------------------|-----------|------------------------|-----------|-----------|-----------|-----------|
| 6 AM                     | 7 AM                    | 8 AM                    | 9 AM                     | 1400      |                        | FAST CODE | SLOW CODE | FAST CODE | SLOW CODE |
| 7 AM-12 <sup>45</sup> PM | 8 AM-1 <sup>45</sup> PM | 9 AM-2 <sup>45</sup> PM | 10 AM-3 <sup>45</sup> PM | 1500-2045 | VISITING OPERATOR TIME |           |           |           |           |
| 1 PM                     | 2 PM                    | 3 PM                    | 4 PM                     | 2100      | FAST CODE              | SLOW CODE | FAST CODE | SLOW CODE | FAST CODE |
| 2 PM                     | 3 PM                    | 4 PM                    | 5 PM                     | 2200      | CODE BULLETIN          |           |           |           |           |
| 3 PM                     | 4 PM                    | 5 PM                    | 6 PM                     | 2300      | DIGITAL BULLETIN       |           |           |           |           |
| 4 PM                     | 5 PM                    | 6 PM                    | 7 PM                     | 0000      | SLOW CODE              | FAST CODE | SLOW CODE | FAST CODE | SLOW CODE |
| 5 PM                     | 6 PM                    | 7 PM                    | 8 PM                     | 0100      | CODE BULLETIN          |           |           |           |           |
| 6 PM                     | 7 PM                    | 8 PM                    | 9 PM                     | 0200      | DIGITAL BULLETIN       |           |           |           |           |
| 6 <sup>45</sup> PM       | 7 <sup>45</sup> PM      | 8 <sup>45</sup> PM      | 9 <sup>45</sup> PM       | 0245      | VOICE BULLETIN         |           |           |           |           |
| 7 PM                     | 8 PM                    | 9 PM                    | 10 PM                    | 0300      | FAST CODE              | SLOW CODE | FAST CODE | SLOW CODE | FAST CODE |
| 8 PM                     | 9 PM                    | 10 PM                   | 11 PM                    | 0400      | CODE BULLETIN          |           |           |           |           |

W1AW's schedule is at the same local time throughout the year. From the second Sunday in March to the first Sunday in November, UTC = Eastern US time + 4 hours. For the rest of the year, UTC = Eastern US time + 5 hours.

◆ Morse code transmissions: Frequencies are 1.8025, 3.5815, 7.0475, 14.0475, 18.0775, 21.0675, 28.0675, 50.350, and 147.555 MHz.

Slow Code = practice sent at 5, 7½, 10, 13, and 15 WPM.

Fast Code = practice sent at 35, 30, 25, 20, 15, 13, and 10 WPM.

Code bulletins are sent at 18 WPM.

For more information, visit us at

[www.arrrl.org/w1aw](http://www.arrrl.org/w1aw)

◆ W1AW Qualifying Runs are sent on the same frequencies as the Morse code transmissions. West Coast qualifying runs are transmitted by various West Coast stations on CW frequencies that are normally used by W1AW, in addition to 3590 kHz, at various times. Underline 1 minute of the highest speed you copied, certify that your copy was made without aid, and send it to ARRL for grading. Please include your name, call sign (if any), and complete mailing address. Fees: \$10 for a certificate, \$7.50 for endorsements.

◆ Digital transmissions: Frequencies are 3.5975, 7.095, 14.095, 18.1025, 21.095, 28.095, 50.350, and 147.555 MHz.

Bulletins are sent using 45.45-baud Baudot, PSK31 in BPSK mode, and MFSK16 on a daily revolving schedule.

Keplerian elements for many amateur satellites will be sent on the regular digital frequencies on Tuesdays and Fridays at 6:30 PM Eastern time using Baudot and PSK31.

◆ Voice transmissions: Frequencies are 1.855, 3.99, 7.29, 14.29, 18.16, 21.39, 28.59, 50.350, and 147.555 MHz. Voice transmissions on 7.290 MHz are in AM double sideband, full carrier.

◆ Notes: On Fridays, UTC, a DX bulletin replaces the regular bulletins. W1AW is open to visitors 10 AM to 3:45 PM Monday through Friday. FCC-licensed amateurs may operate the station during that time. Be sure to bring a reference copy of your current FCC amateur license. In a communication emergency, monitor W1AW for special bulletins as follows: voice on the hour, teleprinter at 15 minutes past the hour, and CW on the half hour.

W1AW code practice and CW/digital/phone bulletin transmission audio is also available real-time via the *EchoLink Conference Server W1AWBDCT*. The conference server runs concurrently with the regularly scheduled station transmissions. The W1AW Qualifying Run texts can also be copied via the EchoLink Conference Server.

During 2025, Headquarters and W1AW are closed on New Year's Day (January 1), Presidents Day (February 17), Memorial Day (May 26), Independence Day (July 4), Labor Day (September 1), Veterans Day (November 11), Thanksgiving and the following day (November 27 and 28), and Christmas and the following day (December 25 and 26).

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# Rick WB6JRV's PARC President's Corner



Hello to all East Carolina Hams!

I've been traveling out of state .... trying to catch up. So not much new for Pamlico Amateur Radio Club.

The Next Meeting is June 12th, 7:00 PM at Zion Episcopal Church Washington, NC. See attachment for special presentation.

At the last licensing session there were three applicants with two new licenses granted. Next: The Pamlico Amateur Radio Club will be conducting Amateur Radio Testing at the Beaufort County Emergency Operations Center (EOC) beginning at 10 AM on July 12, 2025. You may show up at any time after 9:30 AM to fill out paperwork.

Field Day: The Pamlico Amateur Radio Club will conduct ARRL Field Day 2025 at the Goose Creek State Park Visitor Center, 2190 Camp Leach Road, Washington, NC. This year we'll be running entirely off batteries and solar power on June 28 & June 29, 2025, concluding at noon on the 29th. Due to technical restrictions at the Center, we'll be operating out of the Main Lab in the Center. PARC will have two operator stations. In addition we'll have a GOTA (Get On The Air) station also, available for Technician Class Amateurs as well as the public. ALL Amateur Radio Operators, as well as the public are invited, and we are expecting a number of dignitaries to stop by.

The Pamlico Amateur Radio wishes to extend a welcome to our recently-joined new members.

73

Rick Moyer

# Upcoming PARC meeting in June

Geochron owner, Patrick Bolan KJ7JSU, will do a presentation on Geochron which has been a leader in world time display since 1964. This is a popular product with hams. Come and hear what he has to say



Also in this meeting we will discuss the final preparations for Field Day that will be held in the Visitors Center of Goose Creek State Park.

Come join us on June 12th in Douglas Hall at Zion Episcopal church at 7:00 PM

More information at [WWW.K4BCH.COM](http://WWW.K4BCH.COM)

PARC Club Meetings:

Meets on the second Thursday of each month at :

- \* Zion Episcopal Church
- \* 7322 US 264 East
- \* Washington, NC 27889
- \* 7:00 PM start time

Nets:

2m Net ever Thursday at 8:00pm (Except 2nd Thursday meeting night)

Washington (Chocowinity) repeater 147.255mhz PL 131.8

80m Net every Tuesday at 7:00pm

3850 SSB (or close by if freq in use)

Breakfast every Wednesday at:

Shep's Grill

129 N. Market St

Washington, NC 27889

Open to all Hams and interested parties.

8:00 - 8:30 Start

VE Sessions: Odd numbered month (Jan, Mar, May, July, Oct, and Nov) on 2nd Saturday at 9:30. No walk-ins, please reserve a spot. **Next session May 10, 2025**

Contact Tom Kottke [Kottketom@gmail.com](mailto:Kottketom@gmail.com) or [INFO@PARC.Com](mailto:INFO@PARC.Com)

Location:

Beaufort County EOC

1420 Highland Ave

Washington NC 27889

## NC Section News

July 29, 2024

**IMPORTANT INFORMATION: PLEASE DISTRIBUTE THIS NEWSLETTER TO MEMBERS OF YOUR CLUB AND/OR GROUP. THE ARRL EMAIL SYSTEM WAS HACKED AND WILL NOT BE OPERATIONAL UNTIL 2025. COPIES OF PREVIOUS NC SECTION NEWSLETTERS, AS WELL AS ALL FUTURE NEWSLETTERS, CAN BE FOUND AT <https://www.ncarrl.org>**

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### GREETINGS FROM THE HIGH COUNTRY

May 4, 2025

Up here in the Northwestern portion of North Carolina, much of the debris cleanup from Hurricane Helene is nearing completion but building repairs and housing replacement projects continue and there is much work still to be done in repairing damaged roadways.

There was an announcement earlier this week that several segments of the Blue Ridge Parkway remain closed due to severe damage. (<https://www.nps.gov/blri/planyourvisit/roadclosures.htm>).

NCDOT has a website that offers real-time updates on road closures across the state, including western North Carolina. Go to <https://drivenc.gov/> for information about road closures.

Business is coming back up this way and you are encouraged to plan visits to western North Carolina to help the small businesses that were adversely affected by Hurricane Helene. Numerous community events are being held and many of the charming small towns are open for business and many restaurants, shopping venues, and motels and other lodging sites will be happy to see you.

### PREPAREDNESS MATTERS

As we continue to recover from the damages caused by Helene, there are a number of lessons from the disaster which will make us better prepared for the next disaster. Don't be complacent that nothing like Helene will ever happen again because preparing for the unexpected is what emergency management is all about.

Greg Hauser, W3FIE, the NC Statewide Interoperability Coordinator shared with other SWIC's lessons from North Carolina that will help their jurisdictions to be better prepared. Greg's comments are well worth your time and consideration and can be found at <https://www.domesticpreparedness.com/articles/bridging-communication-gaps-lessons-from-hurricane-helene>.

Persons who are serious about EmComm will want to reflect on what Greg has written.

## ARRL MATTERS

### CLUB UPDATES

ARRL Affiliated Clubs are asked to do an annual update of their club information posted with the ARRL and publicly available at [arrl.org](http://arrl.org). Instructions on how to do the update are in a document on the ARRL website at [www.arrl.org/club-update](http://www.arrl.org/club-update). Clubs should designate someone to check on and update information about your club. The person doing the update must be an ARRL member and be signed into the ARRL website. Unfortunately, a lot of information about clubs, including meeting locations, officers, VE testing and local activities has become outdated due to the disruptions caused by the ARRL cyber-attack as well as a failure of many clubs to keep their information current.

### ARES UPDATES

Publicity about the marathon operations over the Mt. Mitchell (145.190 MHz, -negative offset, no tone) during and following Hurricane Helene has generated increased interest in forming or reactivating local ARES groups.

In July 2024, ARRL completed a process that lasted several years and resulted in upgrading the standards to be followed by ARES groups and for persons who wish to complete the ARRL training courses as well as the ARES Task Book. Until recently, ARRL had not set timetables or upgraded its ARES training which limited the usefulness of ARES in supporting emergency managements.

Updating ARES courses and training requirements were needed to make ARES more consistent with federal standards established for emergency communications groups and to better integrate ARES with federal, state and local emergency management operating under the National Incident Management System.

Hopefully ARES will take on tasks beyond parades and bicycle races and become effective partners with the emergency management community.

Information for persons wishing to become active in ARES can be found at <http://www.arrl.org/ares>. ARRL has established three levels (Basic, Intermediate and Advanced) with differing qualifications for ARES personnel that are reflected in course work and demonstration of particular skills during stated time periods.

ARRL and the NC ARRL Section have established several policies that may be summarized as follows:

a. Persons seeking appointment as a local ARES Emergency Coordinators must within one year complete the steps, procedures and skill demonstrations listed under the Advanced level of certification. Note that this presupposes prior completion of the Basic and Intermediate

levels prior to undertaking the Advanced level. (ARES PLAN 2024, page 9).

b. ARES Emergency Coordinators are to submit on-line by the 5th of each month ARES Form 2. Form 2's from the various EC's within a Section are collated by the Section Emergency Coordinator into a ARES Form 4 by the 10th of each month to reflect ARES activities within the Section. Form 2 documents the number of activities, the number of personnel involved and the hours of service by ARES personnel in a particular county in a given month.

c. Failure by an EC to file Form 2's over a three month period will result in removal of the EC.

d. Courses offered by ARRL and/or FEMA which have been updated since the course was completed by an individual in the past should be retaken in order to reflect current best practices.

e. A candidate for appointment to the position of EC should submit a statement from the local emergency manager endorsing the candidate's application for appointment as EC based on the relationship of the ARES group to the local emergency management agency. The application for appointment, the completed ARES Task book and an endorsement from the local emergency manager should be submitted to Section Emergency Coordinator Tom Brown, N4 TAB ([tom.brown.n4tab@gmail.com](mailto:tom.brown.n4tab@gmail.com))

f. ARES groups should submit copies of their monthly reports of activities to the local emergency manager (i.e. the authority having jurisdiction) and the SEC and Section Manager, along with after action reports on exercises and actual emergencies discussing what worked well or could have been improved in the local operation.

g. The upgraded ARES requirements do not replace Auxcomm standards which is a different program. Neither program replaces the other and interested persons can become qualified in either or both programs.

## **FIELD DAY PLANNING**

June 28-29 is not far off in the future. Has your club or group gotten your plans nailed down for participating in this annual exercise? It is your opportunity to demonstrate the ability of amateur radio operators to set up temporary stations and antennas and to show the public and local officials about the ability of ham radio to operate away from home during disasters and emergencies.

Information about Field Day and how to list your location in the Field Day locator map can be found at <http://www.arrl.org/field-day>.

## **RETURN OF THE ARRL BULK EMAIL SYSTEM**

This newsletter is being sent to club presidents, interested persons,

and friends as has been my practice since the ARRL bulk email system was compromised in the May 2024 cyber attack.

For the first time in nearly a year, the newsletter will be sent out via the ARRL mail system so some persons may receive two copies.

I hope that club leaders will advise their members to sign on to the ARRL webpage and choose to receive the Director/Vice Director and Section Manager newsletters. We will continue to post copies of each issue of the NC Section Newsletter at [ncarrl.org](http://ncarrl.org). We owe a debt of gratitude to Susan Langley Jones WA4AKB for her diligence in keeping the Section webpage up to date.

## **FCC MATTERS**

FCC Enforcement personnel have initiated action against several Low Power Broadcasters for exceeding the authorized power limit in their FCC license. Low power broadcasters obtain licenses to operate as community stations at low power on frequencies used by high power broadcasters at some distance from the high power station. The idea is that a local 50 watt transmitter can provide a signal to a locality too far away from, say a 100 KW or 10 KW station, to be received clearly making a frequency suitable for a low power station without causing interference to the distant high power station.

Fort Lauderdale's 92.7 MHz WZOP(LP), licensed to the Hollywood Brothers Helping Others organization, received a notice from the Commission for using a transmitter power output of 514 watts which was in excess (approximately 988% of its authorized power) of its authorized maximum output power of 52 watts., according to the FCC. Go to <https://docs.fcc.gov/public/attachments/DOC-410895A1.pdf> for the violation notice.

Another Low Power Broadcast station received enforcement notices from the FCC for running excessive power. WZPP (LP) operating on 96.1 MHz in Hollywood FL was found to be transmitting at 1000 watts power despite its license limiting the station to an effective radio power of 48 watts. A trade publication describing the enforcement action can be found at

<https://www.radioworld.com/news-and-business/business-and-law/fcc-florida-lpfm-operated-at-over-800-of-authorized-power>.

## **POTENTIAL THREAT TO AMATEUR OPERATIONS ON 222 MHz**

Ham groups in the Southwest are alarmed over FCC actions that involved issuance of several experimental licenses in California, Arizona and other locations to allow testing of high power radar stations in the 222 MHz ham band.

Apparently CHAOS Industries has received a number of licenses authorizing testing for varying periods and at varying locations. Hams

in the Southwest indicate that the radar testing has affected reception of portable and mobile operation on the input of various repeaters and during weak signal operations by hams. Reports about the over interference has apparently been brought to the attention of ARRL leaders.

([https://groups.io/g/repeater-builder/topic/threat\\_to\\_222\\_225mhz\\_spectrum/111985225](https://groups.io/g/repeater-builder/topic/threat_to_222_225mhz_spectrum/111985225)).

Published reports indicate that CHAOS Industries recently secured \$145 million to underwrite the testing of this equipment and other systems. CHAOS Industries is a significant defense contractor and has a valuation of \$2 billion according to information found at

[https://www.google.com/url?sa=t&source=web&rct=j&opi=89978449&url=https://news.crunchbase.com/defense-tech/chaos-industries-series-c-valuation-advanced-detection-vanquish-radar/&ved=2ahUKEwiQj8aP44iNAXWUMNAFHwLACvMQFnoECCMQAQ&usq=AOvVaw1GV0STX0B9OEXuXkW\\_00Dhy](https://www.google.com/url?sa=t&source=web&rct=j&opi=89978449&url=https://news.crunchbase.com/defense-tech/chaos-industries-series-c-valuation-advanced-detection-vanquish-radar/&ved=2ahUKEwiQj8aP44iNAXWUMNAFHwLACvMQFnoECCMQAQ&usq=AOvVaw1GV0STX0B9OEXuXkW_00Dhy)

## **OTHER MATTERS**

### **TOM BROWN N4TAB SECTION EMERGENCY COORDINATOR**

The NC Emergency Management Association, comprised of local and state emergency management personnel across the state recently recognized Tom with the 2024 James F. Buffalo Award for his outstanding achievements in support of Emergency Management. Tom has long been active in public safety, military and other emergency communications ventures. Congratulations for a job well done.

### **ARMED FORCES CROSS BAND TEST ON MAY 10**

Each year, the Department of Defense conducts a cross band operation in which military stations operate on military frequencies but listen for contacts from amateur radio stations which are operating within the ham bands. Although this was done in the past on Armed Forces Day, May 10 was chosen to allow hams who would otherwise be unavailable because of their presence at the Dayton Hamvention.

Information about DOD stations and their frequencies can be found in a news article located at

<https://dxnews.com/forum/forum/amateur-radio-news/65167-armed-forces-day-crossband-test-10-may-2025>.

## **CLOSING COMMENT**

There is a significant uptick in ham radio activities with the arrival of Spring and Summer.

Think about getting active during Field Day and going to one of the several hamfests that are listed on the ARRL webpage

(<http://www.arrl.org/hamfests-and-conventions-calendar>) .

Good weather makes it fun to do a parks on the air activation and there is no reason why your group cannot do a special event station to celebrate one of the many historic events for which North Carolina is known.

If these suggestions don't interest you, get a couple of your friends together and hop in the car and go to the Dayton Hamvention which will be held at the Green County Fairgrounds near Xenia Ohio on May 16-18. It is the biggest hamfest in North America and there will be lots of new and used equipment, as well as interesting forums, that should be of interest to almost every ham operator.

Best wishes to each of you  
Marv Hoffman, WA4NC  
NC Section Manager

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**ARRL North Carolina Section**  
**Section Manager: Dr Marvin K Hoffman, WA4NC**  
**[wa4nc@arrl.org](mailto:wa4nc@arrl.org)**

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## **The inaugural Youth on the Air (YOTA) Junior Camp for the Americas has been scheduled for July 25 - 27, 2025.**

The camp will be held at the [National Voice of America Museum of Broadcasting](#) in West Chester, Ohio. YO-TA Junior is a three-day weekend camp for young hams to meet other young hams, participate in unique experiences with radio-related technologies, and build relationships with mentors and peers. The camper application period is open from now until June 1st. Licensed amateur radio operators under the age of 15 are eligible to attend. For additional information, please visit [youthontheair.org](http://youthontheair.org).

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**GREETINGS FROM THE HIGH COUNTRY****May 28, 2025**

The weather up here in the High Country during the past week has not been great. On Tuesday it was foggy most all day long with a half inch of precipitation recorded on my weather station. I had medical visits in Hickory and it was 45 degrees here when I left for Hickory on Tuesday morning. The high temperature on Tuesday was 55 degrees up here near Tweetsie Railroad.

Not a great time for outdoor activities and the forecast is that much of this week will have intermittently dreary weather at least until Sunday.

Today, on Wednesday, it was cloudy all day and sunshine was not to be found very easily in the High Country.

**FIELD DAY WILL SOON BE HERE!  
JUNE 28 AND 29 ARE COMING UP QUICKLY.**

Clubs and groups are urged to quickly focus on Field Day and determine how they want to answer these questions as part of their Field Day planning:

Clubs and groups are urged to quickly focus on Field Day and determine how they want to answer these questions as part of their Field Day planning:

- Where will you operate?
- Over what time frame? There are indications that some groups plan to operate during Saturday afternoon, break for dinner and then take down their equipment.
- Be sure to indicate if you plan to operate overnight and into Sunday.
- How many stations will be in use at your location?
- Have you reached out to the local emergency officials about operating outside the local EOC or a fire station?
- What have you done to publicize your activity? Have you been in touch with a local newspaper or radio station to make sure that the public knows they are welcome to stop by and learn about amateur radio?
- Have you reached out to the local Scouts to make sure they are invited to come by and possibly work on a radio/electronics merit badge?
- Have you invited on or more local officials to stop by to learn more

about what amateur radio is and how it served the public during the disruption s of normal communications from Hurricane Helene?

You are encouraged to designate someone in your group to go to the [arrl.org](http://arrl.org) webpage and make sure that you Field Day operation is listed so that visiting hams can by to say hello and to learn about your club or group

Remember, Field Day is always held on the last weekend in June which this year falls on June 28-29.

Full details (rules, suggested publicity, and related topics) can be found at <https://www.arrl.org/field-day> .

#### ROANOKE DIVISION TOWN HALL

May 29 at 9 pm. The Roanoke Division Town Hall will largely focus on suggestions for clubs on how to hold a successful Field Day operation. The Town Hall will be held on line and you can sign in at:

- ARRL-Roanoke Division Facebook, <https://www.facebook.com/share/1CpH2Ck6Qj/> and gather a number of suggestions based on successes in prior Field Days.

#### UPCOMING HAMFESTS

- July 12, SALISBURY HAMFEST, Sal isbury Civic Center, 315 S. Martin Luther King Ave . Salisbury NC 28144. Sponsored by the Rowan County Amateur Radio Society

- July 19, CARY, 52nd Annual Cary Mid-Summer Swapfest. Info at <http://caryarc.org>

- July 26, WAYNESVILLE HAMFEST, Sponsored by the Western Carolina Amateur Radio Society and held at the Smokey Mountain Event Center • 758 Crabtree Road • Waynesville, NC 28785. Flyer posted at <https://wcars-club.org/>

- August 9, FAYETTEVILLE, 25th Annual Cape Fear Amateur Radio Society Swapfest, Sponsored by the Cape Fear Amateur Radio Society. Infor can be found at <https://cfarsnc.org/swap-fest>

- August 28-29, SHELBY, 69th annual Shelby Hamfest, “THE GRANDDADDY OF THEM ALL”, held at the Cleveland County Fairgrounds in Shelby and sponsored by the Shelby Amateur Radio Club.

#### ARRL MATTERS

Members are advised that the Second Board Meeting for the ARRL will be held in Connecticut in Ju ly. No agenda has been posted yet but when it is posted it will be publicly available at <https://www.arrl.org/board-meetings> .

There are indications that a number of matters discussed at the January 2025 Board Meeting will come up for potential action at the July meeting.

Your attention is directed to the minutes of the January 2025 Board Meeting which discuss several proposed changes to ARRL Bylaws involving elections and disputes over candidate eligibility which were not finalized but were laid over for resolution at the July 2025 Board Meeting. The minutes of the January 2025 Board meeting can be found at <https://www.arrl.org/board-meetings> .

The Executive Committee of the ARRL Board recently met on May 8 via Zoom. A number of matters were discussed by the Executive Committee several items focused on open matters discussed at previous meetings but not brought to closure by Executive Committee action. The minutes of the May 8 Executive Committee held via Zoom can be found at <https://www.arrl.org/board-meetings> .

#### CLOSING COMMENT

Warm weather has brought a significant increase in ham radio activities,

Listed above are several hamfests as well as a lot of information about Field Day. In addition, there are numerous opportunities for Parks on the Air, Summits on the Air and there are opportunities for local groups to have a Special Event Station to celebrate their unique history.

We will soon be involved in the Atlantic Hurricane Season. Are you ready?

Ham radio is what you make of it. Get RADIOACTIVE!!!

Marv, WA4NC  
NC Section Manager  
Boone

May 29, 2025

Despite having produced two newsletters per month for more than five years, I made a couple of mistakes in the newsletter sent out around midnight early this morning.

Please accept my apologies for the following errors and/or omissions.

#### a. The ROANOKE DIVISION TOWN HALL

The virtual meeting will be held tonight at 8 PM. The agenda for the Town Hall will be distributed by Jim Bohner and Billl Morine later today but the correct starting time is 8 p.m.

## b. SHELBY HAMFEST

A gremlin crept into the information about the SHELBY HAMFEST which will be held on Friday and Saturday of Labor Day weekend. The **correct dates are August 29 and 30** at the Cleveland County Fairgrounds in Shelby.

c, The Section Traffic Report for April 2025 was omitted from the newsletter. Thanks go out to Dave Roy (W4DNA) Section Traffic Manager and the various net managers for their service to amateur radio.

Here is the information that I set aside two weeks ago for inclusion in the newsletter but omitted it last night.

## W4DNA - NC Section Net Report - APRIL 2025

| NET                         | NMGR   | QNI  | LISTED | PASSED | TIME | SESSIONS | TFC %   |
|-----------------------------|--------|------|--------|--------|------|----------|---------|
| SECTION NETS                |        |      |        |        |      |          |         |
| CN                          | AA4MP  | 359  | 151    | 148    | 632  | 60       | 98.01%  |
| CSN                         | KI4KZS | 168  | 25     | 25     | 734  | 30       | 100.00% |
| NCEN                        | WK4WC  | 413  | 111    | 107    | 428  | 30       | 96.40%  |
| NCMN                        | W3OJO  | 310  | 214    | 209    | 648  | 30       | 97.66%  |
| THEN                        | N3TLV  | 443  | 0      | 0      | 484  | 28       | N/A     |
| LOCAL TRAFFIC NETS          |        |      |        |        |      |          |         |
| CWTN                        | N4CNX  | 352  | 159    | 159    | 655  | 30       | 100.00% |
| ENCTN                       | W4DNA  | 142  | 14     | 14     | 225  | 26       | 100.00% |
| PCTN                        | W4TTO  | 156  | 65     | 65     | 208  | 30       | 100.00% |
| SPECIAL INTEREST GROUP NETS |        |      |        |        |      |          |         |
| C-MNN                       | KI4FAQ | 443  | 0      | 0      | 353  | 30       | N/A     |
| TOTAL                       |        | 2786 | 739    | 727    | 4367 | 294      | 98.38%  |

Please let me reiterate the importance of finalizing your plans for Field Day. Designate someone in your group to post information about your plans for Field Day on the ARRL Field Day Locator webpage.

I apologize for the errors in the most recent newsletter. Our high standard for completeness and accuracy will return in June.

Marv, WA4NC

## Common Icom 7300 Commands

[FP] = Front Panel button

[TS] = Touch Screen

### Change Band

[TS] Touch the MHz number - Select the band from the popup on touch screen

[FP] Rotate the big knob to select frequency

### Change Mode

[TS] Touch the Mode indicator above the MHz number - Select the mode from the popup.

**Change sideband USB/LSB**, Touch the Mode indicator and SSB again to switch sidebands.

**USB-D** is used for digital. Disables the microphone. To enable mic, touch mode and then DATA on the popup. To disable mic, do it again. If the -D is there, the mic is disabled.

### Change Filter

[TS] Touch **FIL#** at center top. Each touch rotates FIL1, FIL2, FIL3, FIL1, etc.

### Antenna Tuner adjust

The first time the transmitter is keyed on, the antenna tuner will start and adjust for less than 3:1 and the TUNE light to stay on if less than 3:1. For **Manual** adjust, push [FP] **TUNER** and hold for 1 second to start tuning. If the TUNE light stays on, the antenna is matched. If the TUNE light goes out, the SWR is over 3 to 1 so adjust the antenna or use an external tuner. To turn tuner on or off, press the TUNER button. The TUNE light on or off to indicate status.

### CW Keyer type

[TS] Select CW mode. Select Edit/Set. Select CW-KEY SET. Select Key Type. Select Straight, Bug or Paddle. Select return arrow.

### Select Scope

[FP] Push menu button. [TS] Touch SCOPE. For details, see PDF instruction manual, Chapter 5, 8 pages!

[FP] Next to the menu button is the FUNCTION button. Several of these commands are also on the front panel.

[FP] The **MULTI** knob next to the screen is at top left of the main turning dial. Turn it to change frequency or 99 memory channels. Use V/M to switch from VFO to Memory. It's to the right, above the main dial. Push the MULTI knob to see a menu for power, CW speed in CW mode. In SSB mode, adjust power, mic gain, etc. Push MULTI again to return touch screen to normal.

The included **BASIC** manual is 80 pages and not much detail. The **FULL** manual is 180 pages on **PDF** only that can be downloaded and printed. You need the full manual for details. Also download the INFORMATION 13 page manual for the latest menu and other changes for firmware version **1.40** that are not in the other manuals.

W4YDY

## Some EXAM TESTING Locations

## General Class &amp; License Testing:

Pete Wene, WA5T, and the General Class has been going on since April 26, 2025 and the 8-week class will run thru June 14, 2025 with testing on June 14, 2025. If you are interested in upgrading to General now is the time. If you are interested all the info is below:

Location: Filling Station  
221 Main St  
Pollocksville, NC

Start: 26 April

End: 14 June

Time: 10 am – 12 noon

Cost: Free

Manual: ARRL General Study Guide, 10th edition....you can get it at Amazon for around \$30

The class is open to anyone that would like to get their General license. Please let all your friends, family and club members know about the class. Please disseminate this notice the widest dissemination.

If you are interested then please register for the class using the following link -

<https://fillingstation1075.com/radio-class-registration/>

If you have any questions please contact me at [pete@wene.net](mailto:pete@wene.net)

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## Technician Class &amp; License Testing:

Pete Wene, WA5T, also has a Technician Class that started on the 29th of April. This 7-week class ends on June 10, 2025 with a test for license on June 10, 2025.

Location: First PH Church,  
1100 First Church Drive  
Goldsboro, NC 27534

Start: 29 April

End: 10 June

Time: 6 pm – 8 pm

Cost: Free

Manual: ARRL Technician Study Guide, 5th edition....you can get it at Amazon for around \$30

The class is open to anyone that would like to get their license. If interested, please contact Pete Wene at: [pete@wene.net](mailto:pete@wene.net)

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## [NBARC] Ham Radio (VE) License Testing:

The [NBARC] New Bern Amateur Radio Club sponsors a (VE) Ham Radio License Testing Exam on the 3rd Saturday of EVEN NUMBERED MONTHS, hours are 9:00 AM - 11:00 AM. So, the next exam is scheduled for Saturday, June 21, 2025.

Exam times & location are: 9:00 AM - 11:00 AM

Rheem's Volunteer Fire Dept.

5860 Hwy 17 South

New Bern, NC 28562

Contact: Jim Scheer, W4NLD Ph: (252) 876-3733

As you face the building, enter from the left side.

Exam fees are \$15.00 but, it might go up in the future, so don't be surprised if the fee changes. Bring cash, or make personal checks or money orders out to; ARRL/VEC.

To obtain an Amateur Radio License and Call sign, you must first obtain a Federal Communication Commission (FCC) Registration Number (FRN).

Go to the FCC.GOV Website -

Select - FCC Commissions Registration System (CORES)

Select - UPDATED CORES

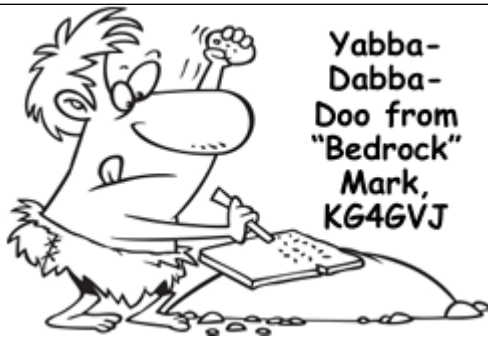
Select - LOGIN; and provide a username and password.

Follow the instructions to obtain an FRN.

After you have obtained your FRN, search the internet for NCVEC QUICK-FORM-605-APPLICATION. This will take you to the AMATEUR RADIO RELAY LEAGUE (ARRL) website with the interactive form NCVEC605. Fill out SECTION 1. Be sure to enter your FRN in the appropriate block, print the form, and bring it to the test session.

Looking forward to meeting you at the exam session.

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Hi Folks,

Field Day is around the corner for us all. Also Hurricane season. Are we ready? Times of need are like Death, we know not the day or the hour. I'm sure that like me, we all have equipment needing to be dusted off, checked, charged up tested and more to make sure we can survive and help our families , friends and neighbors if something comes up.

Also short term supplies if we lose power and water becomes scarce and food is gone from the store shelves. A supply for a few days will be handy. That's a bit tricky for some, my wife and her sister is on guten free diet along with some other foods that gives my wife problems. That makes it hard to stock emergency foods for everyone.

No matter where we hope to be handling an emergency, we need to be prepared and able to do it safely.

The BARC-PARC picnic went well. We had several people with equipment to sell before the lunch. A fair size crowd to enjoy all the GREAT food was there. I wish I thought of doing a head count for you all. My bad.

## Interested in the Ham Chatter?

If your not receiving *Ham Chatter* email notices and would like to receive them, please send an email to [Hamchatter@w4amc.com](mailto:Hamchatter@w4amc.com) so we can get your email address and put you on our list. You may miss some important BARC or PARC notices.—*KG4GVJ*

## Be a Net Control

Volunteer to help with the weekly net for BARC or other Nets. All are welcomed. It's a great practice for emergency nets or events. A script is available to read off of to help in the progress on the web site.

## **PUBLIC SERVICE? 2025 events up!**

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

## Get Ready for "Ham Radio Open House" on World Amateur Radio Day April 18, 2025

# The Radio Amateur's Code

## THE RADIO AMATEUR IS:

### CONSIDERATE...

He/She never knowingly operates in such a way as to lessen the pleasure of others.

### LOYAL...

He/She offers loyalty, encouragement and support to other amateurs, local clubs, the IARU Radio Society in his/her country, through which Amateur Radio in his/her country is represented nationally and internationally.

### PROGRESSIVE...

He/She keeps his/her station up to date.  
It is well-built and efficient.  
His/Her operating practice is above reproach.

### FRIENDLY...

He/She operates slowly and patiently when requested; offers friendly advice and counsel to beginners; kind assistance, cooperation and consideration for the interests of others.

These are the marks of the amateur spirit.

### BALANCED...

Radio is a hobby, never interfering with duties owed to family, job, school, or community.

### PATRIOTIC...

His/Her station and skills are always ready for service to country and community.

## BARC and PARC Picnic 2025

More on the website W4AMC.

Swap meet before the lunch had some offerings. Not sure how many showed up for it and the lunch. I thought I saw a lady counting heads during lunch, but it was quite a few folks from 2 or more clubs.



Dueling Canes!



A Hard Sell!



QRP FT8 on iPhone and KX2



Bartering at it's finest



Cooke par excellence



W4EJ shop

## Ask Dave

Get more information from the "QST: Ask Dave" YouTube playlist at <https://bit.ly/3z2MBMI>.

### Rain Affects Cobweb Antenna

**Q** David Webber, G0PBS, asks: I built a homebrew cobweb antenna, as shown in Figure 2, that works brilliantly on 20 to 10 meters. When it rains, and water droplets cling to the wires, the resonant frequency drops considerably. Normally, the standing wave ratio on each band is very low, but the bandwidth is narrow, so tuning usually ends up below the amateur bands when it rains. In most cases, it is too low for auto-tune to work. The antenna wire has a plastic coating, and the gaps opposite the balun are plastic cable ties. What are your thoughts?

**A** The plastic coating on the wires required you to shorten the elements from the bare wire lengths. The plastic is an insulator and acts as a dielectric. If you put plastic around the wire, it electrically lengthens the element. That's why the wires must be cut slightly shorter. Water also has a dielectric constant, so adding water to the insulated wires changes the dielectric constant, meaning the wires will behave as if they were longer. This will lower the wire's resonant frequency. Enough water might push the resonant frequency below the band.

I live in the semi-arid part of southwestern Colorado, where we get most of our moisture as snow or during thunderstorms. I don't operate during thunderstorms and thus have very little experience working with wet antennas. So, I can say water droplets on the antenna will change the resonant frequency, though I can't say how much.

The classic way to electrically shorten an antenna is to add capacitance at the feed point. You'd have to



**Figure 2** — David Webber's, G0PBS, cobweb antenna. A cobweb antenna is a fan dipole that is wrapped on itself. It is a compromise antenna. One compromise is that for any given band, it doesn't cover the entire band and must be tuned to cover the part of the band that is desired. Another compromise is that the gain is 2 or 3 dB less than an equivalent dipole. Because the antenna is built upon the idea of a dipole, it is a balanced antenna, and radials are not required. [David Webber, G0PBS, photo]

experiment with the capacitance value, but I doubt it would be more than a few picofarads. You can do the same thing from inside your station if you are using an antenna tuner. When an antenna is wet, sometimes it is necessary to touch up the tuner settings. If you can use a vector network analyzer, such as the NanoVNA, you can quantify the electrical characteristics of your cobweb antenna under wet and dry conditions. This may help you determine the capacitance you need to add. Perhaps you could set up a coax switch to include or exclude this capacitance.

Send your questions to [askdave@arrl.org](mailto:askdave@arrl.org). I answer some questions here, and some via videos on my YouTube channel ([www.youtube.com/davecasler](http://www.youtube.com/davecasler)), or during my weekly livestream on Thursdays at 6:45 to 8:15 PM Mountain Time on my channel.

# Hints (&) Hacks

Share your hints (or hacks) with fellow hams by sending them to [ota@arrl.org](mailto:ota@arrl.org) or *On the Air*, ARRL, 225 Main St., Newington, CT 06111.



## HINT

### Alternative Grounding Material

Whether or not a ham has the luxury of using 1½-inch or 3-inch wide copper strap for grounding, a good ground is important. Most amateurs use large-conductor wire or flat braided grounding strap. Both round-conductor wire and flat braided grounding strap can bend, sometimes sharply, and this may introduce an unacceptable amount of inductance.

A readily available alternative is to use plumbers' hanging strap, available at hardware stores. This strap is about ¾-inch wide and is usually made of steel, either plain or copper coated. It has holes at lengthwise intervals of about ¾ inch. Plumbers' strap can bend, but because it is a flat and solid conductor, it is likely to bend only as intended.

Bob Raffaele, W2XM



Top image is a side view of a finished insulator, and middle image is a top view. At the bottom is a piece of PVC conduit used for construction of the insulator.

## HACK

### Forming Antenna Insulators from PVC Conduit

I was experimenting with various wire antennas and found I did not have enough insulators to complete the project. I needed at least 12 insulators for my project, and rather than purchase them new, I decided to experiment with making insulators from blue plastic corrugated conduit that I had left over from another project.

The flexible PVC conduit was first cut to the desired length of about 3½ inches with a ratchet tubing cutter. The ends were then heated with a commercial heat gun for about 1 minute until soft. Next, I used a sheet metal locking pliers to

crimp the ends, holding the clamp in place until the ends cooled. Finally, the end holes were completed with a ⅜-inch drill. After a short time, I was able to fabricate the insulators for a few cents each. Aside from the ease of fabrication, the corrugated conduit is strong and lightweight.

Corrugated conduit has many potential uses and over the years I have used the material to construct standoff insulators, ladder line separators, non-conductive bushings and other antenna parts. With a length of corrugated conduit in the shack, you will never be without insulators again.

Mark Landress, WBSANN



Simple O-rings slipped on to an SO-239 can help create a weather-tight seal.

**HINT**

### O-Ring Seal for PL-259/SO-239 Connectors

The popular and low-cost PL-259 UHF plug and its mating SO-239 UHF connector were never designed to be waterproof. In spite of this, many of us find ourselves having to use these connectors outdoors for an antenna or cable connection and then need to apply some form of weatherproofing.

If this is not done, and done well, then intermittent connections soon result, especially with wet freezing and thawing conditions, resulting in moisture and corrosion getting into the connectors and even into the coaxial cable itself.

Using a bondable rubber tape wrapping often seems to work using one of the soft, moldable, stretchable tapes that are available for the purpose. In practice, I have found that the hardest area to seal effectively using this method is the area from the rim of the male PL-259 shell to the mating SO-239 socket face. This is especially true when the SO-239 socket is located partially inside the cowl of the antenna mount (such as the Solarcon/Antron vertical or other similar types) and it is impossible to get sealing tape up into this tight location.

To overcome this problem, simply slip as many tight-fitting O-rings over the SO-239 barrel as needed to fill the space between the base of the SO-239 and the coupling ring. Lubricate the O-rings with a generous amount of silicon grease, often sold in automotive parts stores as “dielectric tune-up grease.”

*Important:* Check that when the mating PL-259 plug is installed and tightened down, the outer rim of the PL-259 shell butts up against and slightly compresses the O-ring(s).

The O-rings I used were ones I had on hand, about  $\frac{3}{16}$ -inch ID  $\times$  0.10 inch thick. I am sure anything that’s a snug fit will work. Of course, you will still need to wrap the lower half of the PL-259 shell, as well as where the coax exits the connector, with tape to seal that part.

Don Dorward, VA3DDN

**HINT**

### Weatherproof Shrink Tubing

When I replaced the entire electrical system on my utility trailer, I needed to weatherproof all the electrical connections as well. I was going to use commercially made weatherproof crimp connectors that consisted of a connector and shrink tubing impregnated with hot-melt glue, but they were expensive!

It occurred to me that I could duplicate this connector cheaply by using hot-melt glue and regular shrink tubing. I also realized I could reduce the cost even more by soldering the wires and eliminating the crimp connector.

Here’s how to do it: Solder the wires together and let them cool. Apply a bead of hot-melt glue along the connection,

almost the entire length of the piece of shrink tubing. Let it cool before installing the shrink tubing. Next, evenly apply heat to all sides of the shrink tubing — this shrinks the tubing down and re-melts the glue, allowing it to flow around the solder joint, rendering it weatherproof. Some glue will ooze out the end of the shrink tubing. The ooze is proof that the hot-melt glue has been melted and is flowing around the joint.

To show that the glue does flow around the joint, I cut out a strip to view the inside of the connection. To my surprise, when I ripped off the strip of heat-shrink tubing, I pulled the insulation off of the wire! The glue indeed penetrates the whole interior of the joint.

Benjamin Hall, KD5BYB







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“Next, evenly apply heat to all sides of the shrink tubing — this shrinks the tubing down and re-melts the glue, allowing it to flow around the solder joint, rendering it weatherproof.”

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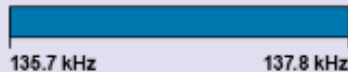
# US Amateur Radio Bands

Operator license classes: **E** = Amateur Extra **A** = Advanced **G** = General **T** = Technician **N** = Novice  
 CW operation is permitted throughout all amateur bands. Except as noted, all frequencies are in megahertz (MHz).

 = RTTY, data, phone, image     = USB phone, RTTY, data and CW     = RTTY and data     = phone and image  
 = SSB phone     = CW only

## LF – Low Frequency band

**2200 Meters (135 kHz) E, A, G**  
**1 W EIRP maximum**



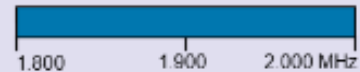
Amateurs wishing to operate on 2200 or 630 meters must first register with the Utilities Technology Council online at <https://utc.org/plc-database-amateur-notification-process/>. You need only register once for each band.

## MF – Medium Frequency bands

**630 Meters (472 kHz) E, A, G**  
**5 W EIRP max, except in Alaska within 496 miles of Russia where the limit is 1 W EIRP**

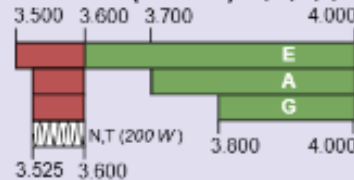


**160 Meters (1.8 MHz) E, A, G**

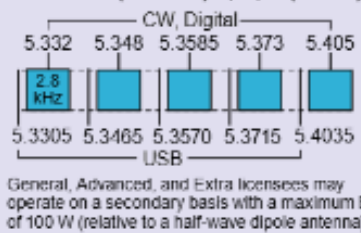


## HF – High Frequency bands

**80 Meters (3.5 MHz) E, A, G, T, N**

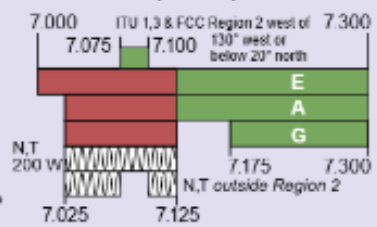


**60 Meters (5.3 MHz) E, A, G (100 W)**



General, Advanced, and Extra licensees may operate on a secondary basis with a maximum ERP of 100 W (relative to a half-wave dipole antenna).

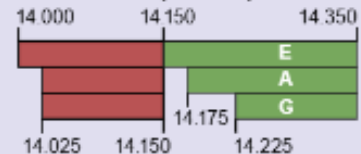
**40 Meters (7 MHz) E, A, G, T, N**



**30 Meters (10.1 MHz) E, A, G**



**20 Meters (14 MHz) E, A, G**



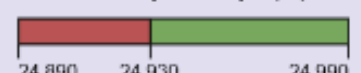
**17 Meters (18 MHz) E, A, G**



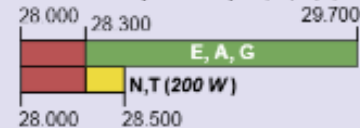
**15 Meters (21 MHz) E, A, G, T, N**



**12 Meters (24 MHz) E, A, G**

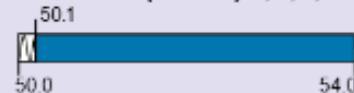


**10 Meters (28 MHz) E, A, G, T, N**

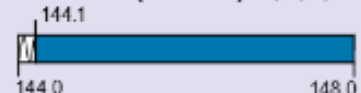


## VHF – Very High Frequency bands

**6 Meters (50 MHz) E, A, G, T**



**2 Meters (144 MHz) E, A, G, T**

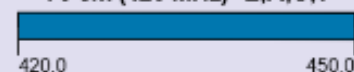


**1.25 Meters (222 MHz) E, A, G, T, N**

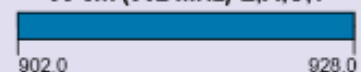


## UHF – Ultra High Frequency bands

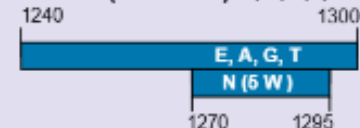
**70 cm (420 MHz) E, A, G, T**



**33 cm (902 MHz) E, A, G, T**



**23 cm (1240 MHz) E, A, G, T, N**



## SHF&EHF – Super and Extremely High Frequency bands

All licensees except Novices are authorized all modes on the following frequencies:  
 2300-2310 MHz    3300-3450 MHz    10.0-10.5 GHz    47.0-47.2 GHz    122.25-123.0 GHz    241-250 GHz  
 2390-2450 MHz    5650-5925 MHz    24.0-24.25 GHz    76.0-81.0 GHz    134-141 GHz    All above 275 GHz

See [www.arrl.org/band-plan](http://www.arrl.org/band-plan) for detailed band plans.

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 OTAbands rev. 11/16/2023

## BARC Website, some Blog page Titles

### [Hex Beam in the Air!](#)

Even more than this on the website.

Feel free to view, comment and add.

## E. N. C. Repeater Inc.

### Eastern North Carolina Re- peater Association

W4NBR Repeater 146.685 PL  
88.5

Individual Membership (Annual Dues of \$15.00), Family Membership – All licensed individuals domiciled at same the address (Annual Dues of \$15.00)

Dues (cash or check made payable to E.N.C. Repeater Inc.) to any Club Officer, or mail to David Burt, 1425 Harris Ct., Cary, NC 27511 or email to [enc@inner360.com](mailto:enc@inner360.com)

## U.S. KFF Park-County Da- tabase Listing For World Wide Flora & Fauna (WWFF)

[https://countyhunter.com/Toplist/  
KFF-County.htm](https://countyhunter.com/Toplist/KFF-County.htm)

Parks and state and counties they are in.

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

## \*\*\* Membership Dues\*\*\*

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](mailto:Treasurer@w4amc.com).

Thank you for your continued support and participation in BARC.

# 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:**

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# 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](http://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

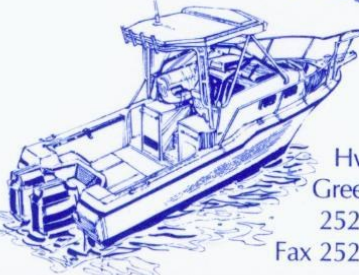
<http://www.pcra.us/>

*Monday & Monday, CPA's, PA*  
 Certified Public Accountants

TERRY A. MONDAY, CPA, CVA, EA  
**K4ZYD**

105-D East Victoria Ct. Phone (252) 321-6007  
 Greenville, NC 27858 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

# CALENDAR OF EVENTS

## Contest, Events and Meetings

### 2025 Starts Here:

June 10 . . . . . BARC Meeting 6:30pm

June 12 . . . . . PARC Meeting 7pm

June 21 . . . . . [ARRL Kids Day](#)

June 24 . . . . . BARC Board Meeting

June 28-29 . . . . **FIELD DAY 2025**

July 8 . . . . . BARC Meeting 6:30pm

**The 13 Colonies event will take place from July 1, 9:00 AM to July 7, midnight EDT**

**(July 1 – 1300 UTC – July 8 – 0400 UTC).** This year the event will honor founder Ken Villone, KU2US, who is passing the torch to Tony Jones, N4ATJ. Villone has led the event for 16 years. Amateur radio operators and SWLs can participate in the event. Complete information about the call for each colony station and the bonus stations can be found on the [event website](#) .

July 10 . . . . . PARC Meeting

July 25 . . . . . BARC Governing Board 7pm

Aug 12 . . . . . BARC Meeting 6:30pm

Aug 14 . . . . . PARC Meeting

Aug 26 . . . . . BARC Board 7pm

Sept 9 . . . . . BARC Meeting 6:30pm

Sept 11 . . . . . PARC Meeting

Sept 30 . . . . . BARC Board 7pm

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 Breakfast** - Saturday after General meeting "The Bake My Day" at 2803 Evans st, Greenville, NC

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

**PARC, Pamlico Meetings** - 2nd Thursday @ 7pm

**\*\* Club Activities, Events, Ideas and Dates to do together. \*\***

**PUBLIC SERVICE? 2025 events up!**

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

# Contest Corral

# June 2025

Check for updates and a downloadable PDF version online at [www.arrl.org/contest-calendar](http://www.arrl.org/contest-calendar).

Refer to the contest websites for full rules, scoring information, operating periods or time limits, and log submission information.

| Start - Finish |           | Bands | Contest Name | Mode                                | Exchange                                | Sponsor's Website |   |  |
|----------------|-----------|-------|--------------|-------------------------------------|---|-------------------|---|--|
| Date-Time      | Date-Time |       |              |                                     |   |                   |   |  |
| 2              | 0000      | 2     | 0100         | 1.8-28                              | K1USN Slow Speed Test                   | CW                | Max 20 WPM; name, SPC   | <a href="http://www.k1usn.com">www.k1usn.com</a>   |
| 2              | 1300      | 2     | 1400         | 1.8-28                              | ICWC Medium Speed Test                  | CW                | Name, serial  | <a href="http://internationalcouncil.org">internationalcouncil.org</a>                       |
| 2              | 1900      | 2     | 2030         | 3.5                                 | RSGB 80m Club Championship, Data        | Dig               | RST, serial   | <a href="http://www.rsgbcc.org">www.rsgbcc.org</a>   |
| 3              | 0000      | 3     | 0200         | 3.5-28                              | ARS Spartan Sprint                      | CW                | RST, SPC, pwr   | <a href="http://ars-qrp.com">ars-qrp.com</a>   |
| 4              | 1700      | 4     | 2100         | 144                                 | VHF-UHF FT8 Activity Contest            | Dig               | 4-char grid   | <a href="http://www.ft8activity.eu">www.ft8activity.eu</a>                                   |
| 5              | 0000      | 6     | 0300         | 7                                   | Walk for the Bacon QRP Contest          | CW                | Max 13 WPM; RST, SPC, name, mbr or pwr                            | <a href="http://qrptest.com/pigwalk40">qrptest.com/pigwalk40</a>                             |
| 5              | 1800      | 5     | 2200         | 28                                  | NRAU 10m Activity Contest               | CW Ph Dig         | RS(T), 6-char grid  | <a href="http://nrau.net">nrau.net</a>   |
| 5              | 1900      | 5     | 2100         | 1.8-28,50                           | SKCC Sprint Europe                      | CW                | RST, SPC, name, mbr or "none"                                     | <a href="http://www.skccgroup.com">www.skccgroup.com</a>                                     |
| 6              | 1900      | 6     | 1959         | 3.5,7                               | HASNS Sprint Memorial Contest           | CW                | RST, mbr or "NM"  | <a href="http://radioamator.honlapites.hu">radioamator.honlapites.hu</a>                     |
| 7              | 0000      | 8     | 2359         | 28                                  | 10-10 Int'l Open Season PSK Contest     | Dig               | Name, SPC, mbr  | <a href="http://www.ten-ten.org">www.ten-ten.org</a>   |
| 7              | 0000      | 7     | 2359         | 1.8-28                              | VK Shines Contest                       | CW Ph             | RS(T), VK shire, or CQ zone                                       | <a href="http://www.via.org.au">www.via.org.au</a>   |
| 7              | 0200      | 7     | 1459         | 1.8-28                              | Tisza Cup CW Contest                    | CW                | RST, CQ zone  | <a href="http://www.tiszacup.eu">www.tiszacup.eu</a>   |
| 7              | 0600      | 7     | 0900         | 7,14                                | Wake-Up! QRP Sprint                     | CW                | RST, serial, suffix of previous QSO ("QRP" for 1st QSO)           | <a href="http://qrp.ru">qrp.ru</a>   |
| 7              | 1200      | 8     | 0200         | 3.5-28                              | Atlantic Canada QSO Party               | CW Ph             | RS(T), province and county or SPC                                 | <a href="http://acqp.ca">acqp.ca</a>   |
| 7              | 1300      | 8     | 0100         | 1.8-28,50,144                       | Kentucky QSO Party                      | CW Ph Dig         | RS(T), KY county or SPC   | <a href="http://www.kyqsoparty.org">www.kyqsoparty.org</a>                                   |
| 7              | 1300      | 8     | 1300         | 50                                  | UKSMG Summer Contest                    | CW Ph Dig         | RST, serial, 6-char grid, mbr (optional)                          | <a href="http://uksmg.org">uksmg.org</a>   |
| 7              | 1500      | 8     | 1459         | 1.8-28                              | IARU Region 1 Field Day, CW             | CW                | RST, serial   | <a href="http://www.darc.de">www.darc.de</a>   |
| 7              | 1500      | 8     | 1500         | 1.8-28                              | RSGB National Field Day                 | CW                | RST, serial   | <a href="http://www.rsgbcc.org">www.rsgbcc.org</a>   |
| 7              | 1800      | 8     | 2359         | 1.8-28,50                           | ARRL Int'l Digital Contest              | Dig (no RTTY)     | 4-char grid   | <a href="http://www.arrl.org/arrl-digital-contest">www.arrl.org/arrl-digital-contest</a>     |
| 9              | 0000      | 9     | 0200         | 1.8-28                              | 4 States QRP Group Second Sunday Sprint | CW Ph             | RS(T), SPC, mbr or pwr  | <a href="http://www.4sqrp.com">www.4sqrp.com</a>   |
| 10             | 1800      | 10    | 1859         | 3.5                                 | DARC CW-Training Contest                | CW                | RST, mbr or serial  | <a href="http://www.darc.de">www.darc.de</a>   |
| 11             | 0030      | 11    | 0230         | 3.5-14                              | NAQCC CW Sprint                         | CW                | RST, SPC, mbr or power  | <a href="http://naqcc.info">naqcc.info</a>   |
| 11             | 1700      | 11    | 2100         | 432                                 | VHF-UHF FT8 Activity Contest            | Dig               | 4-char grid   | <a href="http://www.ft8activity.eu">www.ft8activity.eu</a>                                   |
| 11             | 1900      | 11    | 2030         | 3.5                                 | RSGB 80m Club Championship, CW          | CW                | RST, serial   | <a href="http://www.rsgbcc.org">www.rsgbcc.org</a>   |
| 14             | 0000      | 14    | 2359         | 3.5-28                              | YB ORARI DX Contest                     | Ph                | RS, "ORARI" or "DX"   | <a href="http://www.oraricontest.id">www.oraricontest.id</a>                                 |
| 14             | 1100      | 14    | 1300         | 14,21                               | Asia Pacific Sprint, SSB                | Ph                | RS, serial  | <a href="http://jsfc.org/apsprint/aprule.txt">jsfc.org/apsprint/aprule.txt</a>               |
| 14             | 1200      | 15    | 1200         | 3.5-28                              | Portugal Day Contest                    | CW Ph             | RS(T), CT district or serial                                      | <a href="http://portugaldaycontest.rep.pt">portugaldaycontest.rep.pt</a>                     |
| 14             | 1200      | 15    | 2359         | 1.8-28,50                           | SKCC Weekend Sprintathon                | CW                | RST, SPC, name, mbr or "none"                                     | <a href="http://www.skccgroup.com">www.skccgroup.com</a>                                     |
| 14             | 1400      | 14    | 1800         | 144,432                             | AGCW VHF/UHF Contest                    | CW                | RST, serial, pwr, 6-char grid                                     | <a href="http://www.agcw.de">www.agcw.de</a>   |
| 14             | 1400      | 15    | 1400         | 50                                  | REF DDFM 6m Contest                     | CW Ph             | RS(T), serial, 4-char grid  | <a href="http://concoeurs.r-e-f.org">concoeurs.r-e-f.org</a>                                 |
| 14             | 1500      | 15    | 1500         | 3.5-28                              | GACW WWSA CW DX Contest                 | CW                | RST, CQ zone  | <a href="http://www.gacw.ar">www.gacw.ar</a>   |
| 14             | 1800      | 16    | 0259         | 50 and up                           | ARRL June VHF Contest                   | CW Ph Dig         | 4-char grid   | <a href="http://www.arrl.org/june-vhf">www.arrl.org/june-vhf</a>                             |
| 15             | 2300      | 16    | 0100         | 1.8-28                              | Run for the Bacon QRP Contest           | CW                | RST, SPC, mbr or pwr  | <a href="http://qrptest.com/pigrun">qrptest.com/pigrun</a>                                   |
| 16             | 1200      | 16    | 1300         | 7                                   | SARL Youth QSO Party                    | Ph                | RS, age   | <a href="http://mysarl.org.za">mysarl.org.za</a>   |
| 16             | 1900      | 16    | 2100         | 3.5-28                              | RSGB FT4 Contest                        | FT4               | Signal report   | <a href="http://www.rsgbcc.org">www.rsgbcc.org</a>   |
| 18             | 0030      | 18    | 0230         | 3.5-14                              | NAQCC CW Sprint                         | CW                | RST, SPC, mbr or power  | <a href="http://naqcc.info">naqcc.info</a>   |
| 18             | 1700      | 18    | 2100         | 1.2G                                | VHF-UHF FT8 Activity Contest            | Dig               | 4-char grid   | <a href="http://www.ft8activity.eu">www.ft8activity.eu</a>                                   |
| 19             | 0000      | 20    | 0300         | 14                                  | Walk for the Bacon QRP Contest          | CW                | Max 13 WPM; RST, SPC, name, mbr or pwr                            | <a href="http://qrptest.com/pigwalk20">qrptest.com/pigwalk20</a>                             |
| 19             | 1900      | 19    | 2000         | 3.5-14                              | NTC QSO Party                           | CW                | Max 25 WPM; RST, mbr or "NM"                                      | <a href="http://pi4ntc.nl/ntcqp">pi4ntc.nl/ntcqp</a>   |
| 21             | 0000      | 22    | 2359         | 1.8-28                              | All Asian DX Contest, CW                | CW                | RST, 2-digit age  | <a href="http://www.jarl.org">www.jarl.org</a>   |
| 21             | 0000      | 22    | 2359         | 50                                  | SMIRK Contest                           | CW Ph Dig         | 4-char grid, mbr (optional)                                       | <a href="http://smirk.info/contest.html">smirk.info/contest.html</a>                         |
| 21             | 1200      | 22    | 2359         | All, no WARC                        | SKCC QSO Party                          | CW                | RST, SPC, name, 4-char grid                                       | <a href="http://www.skccgroup.com">www.skccgroup.com</a>                                     |
| 21             | 1400      | 22    | 1400         | 50                                  | IARU Region 1 50 MHz Contest            | CW Ph             | RS(T), serial, 6-char grid  | <a href="http://www.iaru-r1.org">www.iaru-r1.org</a>   |
| 21             | 1400      | 22    | 1400         | 50                                  | LZ International 6-Meter Contest        | CW Ph             | RS(T), serial, 6-char grid  | <a href="http://www.radioclub-troyan.bg">www.radioclub-troyan.bg</a>                         |
| 21             | 1500      | 22    | 1500         | 1.8                                 | Stew Perry Topband Challenge            | CW                | 4-char grid   | <a href="http://www.kkn.net/stew">www.kkn.net/stew</a>                                       |
| 21             | 1600      | 22    | 0400         | 3.5-28                              | West Virginia QSO Party                 | CW Ph Dig         | RS(T), WV county or SPC   | <a href="http://www.qsl.net/hvqrp">www.qsl.net/hvqrp</a>                                     |
| 21             | 1800      | 21    | 2359         | 3.5-14, 18, 21, 24, 28, 2 repeaters | ARRL Kids Day                           | Ph                | Name, age, QTH, favorite color                                    | <a href="http://www.arrl.org/kids-day">www.arrl.org/kids-day</a>                             |
| 22             | 0000      | 22    | 2359         | 1.8-28,50                           | Field Hell Sprint                       | Dig               | See rules   | <a href="http://sites.google.com/site/fieldhellclub">sites.google.com/site/fieldhellclub</a> |
| 22             | 0800      | 22    | 1400         | 50                                  | WAB 50 MHz Phone                        | Ph                | RS, serial, WAB square or country                                 | <a href="http://wab.internip.net/Contest_Rules.php">wab.internip.net/Contest_Rules.php</a>   |
| 25             | 0000      | 25    | 0200         | 1.8-28,50                           | SKCC Sprint                             | CW                | RST, SPC, name, mbr or "none"                                     | <a href="http://www.skccgroup.com">www.skccgroup.com</a>                                     |
| 26             | 1900      | 26    | 2030         | 3.5                                 | RSGB 80m Club Championship, SSB         | Ph                | RS, serial  | <a href="http://www.rsgbcc.org">www.rsgbcc.org</a>   |
| 28             | 0600      | 28    | 1700         | 3.5-28                              | UFT QRP Contest                         | CW                | RST, QRP/QRO, mbr or "NM"   | <a href="http://www.uft.net">www.uft.net</a>   |
| 28             | 1200      | 29    | 1200         | 1.8-28                              | His Maj. King of Spain Contest, SSB     | Ph                | RST, EA province or serial  | <a href="http://concorso.ure.es">concorso.ure.es</a>   |
| 28             | 1800      | 29    | 2059         | All, except 60,30,17,12             | ARRL Field Day                          | CW Ph Dig         | Number of transmitters, operating class, ARRL/RAC Section or "DX" | <a href="http://www.arrl.org/field-day">www.arrl.org/field-day</a>                           |
| 30             | 1300      | 30    | 1400         | 1.8-28                              | OCX Challenge                           | CW                | RST, name, SPC, rig   | <a href="http://www.qrp-labs.com/party.html">www.qrp-labs.com/party.html</a>                 |
| 30             | 1900      | 30    | 2000         | 1.8-28                              | OCX Challenge                           | CW                | RST, name, SPC, rig   | <a href="http://www.qrp-labs.com/party.html">www.qrp-labs.com/party.html</a>                 |

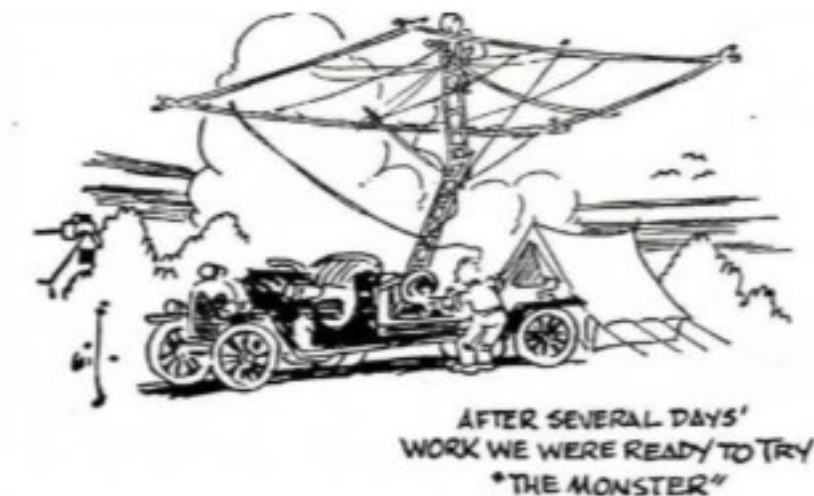
# CALENDAR OF EVENTS

## Upcoming Section, State, Division Conventions and Hamfest

### 2025:

- June 28-29, ARRL Field Day, info at <https://www.arrl.org/field-day>
- 07/12/20 25 - Firecracker Hamfest, Salisbury, operated by the Rowan Amateur Radio Society. Info available from Ralph Mowery , KU4PT, Email: [rmowery42@charter.net](mailto:rmowery42@charter.net)
- 07/19/2025 - 52nd Annual Cary Mid-Summer Swapfest, Cary Ritter Park, info at <http://caryarc.org>
- July 26, Western Carolina Amateur Radio Society Hamfest, held at the Smokey Mountain Event Center. Waynesville. Info at <http://wcars-club.org>

The [ARRL Hamfest and Convention Database](#) to find events in your area.



This cartoon from a 1949 issue of QST is as valid today as it was 76 years ago. "Monster" high-gain antennas are not the way to ensure high contact rates on Field Day.