



June
2023

HPARC NEWSLETTER

High Point
Amateur Radio
Club



W4UA

President's Message

By: David Macchiarolo, AJ4TF, HPARC President/ Edited by Peter Kapetanakis, KN4OCX, HPARC Treasurer

The following is an article written by David Macchiarolo, AJ4TF, that was published in last years HPARC newsletter. It is being republished this year with edits by Peter Kapetanakis, KN4OCX, to make dates and sats current for 2023.

HPARC Members: we've grown a lot in the past year, and I'm really excited about our "main event" for the year coming up: ARRL Field Day on June 24-25, 2023.

For those of you new(ish) to amateur radio, Field Day is amateur radio's "open house" for the public, and the biggest single operating event of the year. Every June, more than 40,000 hams throughout North America set up temporary transmitting stations in public



places to demonstrate ham radio's science, skill and service to our communities and our nation. It combines public service, emergency preparedness, community outreach, and technical skills all in a single event. Field Day has been an annual event since 1933 and remains the most popular event in ham radio.

Our little ol' club has been consistently in the top ten in the whole USA in our category (3 transmitters,

commercial mains electric power) for the last decade. But it's not all about making radio contacts - it's about learning how to set up temporary stations in the event of an emergency, preparedness, and most important, a family-friendly fellowship with your club members, friends, and families.

Don't have a ham radio license, or don't have HF privileges? Not to worry- we'll put you on the air anyway (alongside a licensed operator). Who knows, you might get "hooked"! We also are proud to host the NC Section Manager, Dr. Marv Hoffman WA4NC, who has committed to visiting our site this year.

Our June meeting will be final preparations for Field Day, so you won't want to miss it!

Field Day 2023

By: Mark McMahan, KB4MFP

The HPARC Field Day will be held at the Moore Farm in Jamestown on June 24 and 25. This is the same location the HPARC has held Field Day for the last several years.

As in previous years, we will meet at the Moore's on Friday, June 24 at 10:00 a.m. to put up dipoles. Contact Mark McMahan if you can help.

As in years past, we have met for breakfast at Biscuitville on South Main St. in High Point (just north of Fairfield

Road) at 8am or so before heading to the Field Day site to complete our setup. We'll also need several volunteers to help load our truck at Mark's house after we eat biscuits. The official start for Field Day is 2:00 pm

Club picnic in the past has been around 5:00 or 6:00 p.m. on Saturday. The HPARC will provide the hotdogs and fixings. Club members can bring other items such as drinks and desserts or side dishes. Please be

aware of items that can spoil easily in the summer heat.

Directions to Field Day: from MLK Dr. (formerly Kivett Drive), turn onto Scientific Street. Go about .2 of a mile to Sherrill Road and turn right.

Moore's farm is on the left just before the stop sign. Coming from Jamestown, turn onto Dillon Road. Come about a mile and turn right onto Sherrill Road. Moore's farm will be the first driveway on your right. Using one of the Internet map programs, use

HPARC Meeting
In-Person & Zoom

June 5, 2023 • 6:30 p.m.
Mario's Pizza • 2645 N. Main St., High Point, NC 27265

3035 Sherrill Road as your ending destination.

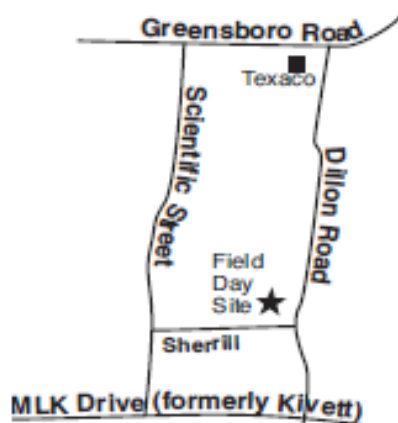
The HPARC uses the program SQUIRL to log our Field Day contacts. It is very easy to use and free. You can look for it online and download it yourself if you want to practice before Field Day.

Remember to bring your radios, extension cords, chairs and anything else you can think of that we may need. Don't forget anything that you need for your own comfort.

Mark will be at the Moore's Farm on Friday, June 23 to put up dipoles. We also will have a crew to mow the field on June 1.

If you have any questions, call or email Mark McMahan or one of the HPARC officers (see end of newsletter).

We have a lot of new members, and I expect we will have a lot in



attendance this year. I would just like to say that we usually have a lot of people who want to operate at the starting time of 2:00 p.m. If you are planning on staying late or overnight, please help by letting those who want to operate but not stay late by giving them preference on operating. There is always room for two per radio to operate and someone to help keep the contacts.

Field Day has been in the past a family-friendly activity, and I would like to keep it as such. Please invite your family and friends. And plan on having a fun time at Field Day. See you there.

ARRL Advocates for Radio Amateurs as FCC Proposes Changes to 60-Meter Band

Source: ARRL Letter April 27, 2023

The Federal Communications Commission (FCC) is seeking comments about changing the secondary allocation available to radio amateurs on 60 meters. The FCC issued a Notice of Proposed Rulemaking (NPRM) on April 21, 2023, that deals with the band. In a prior petition, ARRL The National Association for Amateur Radio@



urged protecting the existing use of the band by amateurs when adding a new allocation adopted internationally.

Currently, radio amateurs in the US have access to five discrete channels on a secondary basis: 5332 kHz, 5348 kHz, 5358.5 kHz, 5373 kHz, and 5405 kHz. Users of these channels are limited to an effective radiated power (ERP) of 100 W PEP.

The FCC proposes to allocate 15 kHz of contiguous bandwidth between 5351.5 - 5366.5 kHz on a secondary basis with a maximum power of 15 W EIRP (equivalent to 9.15 W ERP). This allocation was adopted at the 2015 World Radiocommunication Conference (WRC-15).

The federal government is the primary user of the 5 MHz spectrum. The government's manager of spectrum use, the National Telecommunications and Information Administration (NTIA), has expressed support for implementing the allocation as adopted at WRC-15. Doing so would result in amateurs losing access to four of the five discrete channels, and power limits would be reduced from 100 W ERP to 9.15 W ERP. However, it would provide access to a new contiguous 15 kHz band that includes one of the current five channels.

In 2017, ARRL petitioned the FCC to keep the four 60-meter channels that fall outside the new band, as well as the current operating rules, including the 100 W PEP ERP limit.

The ARRL petition stated, "Such implementation will allow radio amateurs engaged in emergency and disaster relief communications, and especially those between the United States and the Caribbean basin, to more reliably, more flexibly, and more capably conduct those communications."

ARRL said that years of amateur radio experience using the five discrete channels have shown that amateurs can coexist with primary

users at 5 MHz while complying with the regulations established for their use. The petition also stated, "Neither ARRL, nor, apparently, NTIA, is aware of a single reported instance of interference to a federal user by a radio amateur operating at 5 MHz to date."

In the NPRM, the FCC recognizes that Canada has already adopted 60-meter allocations and related rules that align with those proposed by ARRL. The Commission wrote, "Finally, we note that Canada has essentially implemented the same rules as ARRL has requested."

The FCC proposed to allocate the 15 kHz bandwidth, but stopped short



of making a proposal on whether the existing channels should remain allocated to amateur radio and what the power limitations should be. They requested comments on their proposal and the related channel and power issues.

Comments will be due 60 days after the NPRM is published in the Federal Register, which is expected within the next two weeks. b.

ARRL Helps Radio Amateurs Comply with New RF Exposure Evaluation Rules

Source: ARRL Letter May 4, 2023

ARRL The National Association for Amateur Radio® provides free, comprehensive resources to help radio amateurs ensure they are compliant with the new RF exposure rules.

On May 3, 2021, [new FCC rules governing RF exposure](#) evaluations went into effect. While the exposure limits were not changed, the requirement to conduct an evaluation was made more broadly applicable to amateur licensees. A 2-year transition period was implemented to allow existing amateur licensees to conduct evaluations and make any changes necessary to ensure that their station complies with the exposure rules. On

May 3, 2023, the transition period ended. All licensees must now conduct evaluations of their current station and reassess compliance when making changes to their stations that would affect exposure going forward.

As detailed in a [May 2023 QST article by Greg Lapin, N9GL](#), the rules now require amateur radio operators to perform station evaluations. The Amateur Radio Service is no longer categorically excluded from certain aspects of the RF exposure rules, and licensees can no longer avoid performing an exposure assessment simply because



they are transmitting below a given power level.

The ARRL website features an [RF Exposure landing page](#) with resources, such as an RF exposure calculator, the entire RF Safety section from the 100th Edition of the ARRL The Handbook, a video explaining the topic, FAQs about the subject, and more. These tools and resources are available to the public without an ARRL membership or website account.

For further assistance with technical matters, ARRL members enjoy the additional resources of the [ARRL Technical Information Service](#), and access to the experts within the ARRL Lab.

Virginia Beach Amateur Radio Club Receives Commendation

Source: ARRL Letter May 11, 2023

The Virginia General Assembly recently issued a resolution commending the Virginia Beach Amateur Radio Club, W4UG (VBARC).

House Joint Resolution 681 was carried in the Virginia General Assembly by Virginia Beach Delegate Karen S. Greenhalgh. The resolution was co-patroned in the Virginia Senate by the 8th District Senator Bill



DeSteph and the 14th District Senator John Cosgrove.

The commendation honored the VBARC for their many community contributions, stating, "the VBARC, an American Radio Relay League Special Service Club, has greatly served the Virginia Beach community for many years by volunteering its time and equipment for emergency and public services, and by providing exceptional aid to both local amateur radio enthusiasts and the community at large through training classes, technical projects, and other activities."

The complete resolution can be read here:

<http://leg1.state.va.us/cgi-bin/legp504.exe?231+ful+HJ681ER>

Five members of the VBARC were invited to the House Gallery of the Virginia General Assembly by Delegate Greenhalgh, where the resolution was read on the House Floor before the Virginia House of Delegates.

Delegate Greenhalgh presented the framed resolution to the VBARC at their April 2023 meeting. It was accepted by VBARC Club President Doug Duggan, N4IRK.

Ham Radio Classes

By: Peter Kapetanakis, KN4OCX

The Tri-County ARC, High Point ARC, and GARA (Greensboro Amateur Radio Association) have formed a partnership to provide online (Zoom) classes for those seeking to acquire their Technician Class operator's license, or to upgrade to a General Class license.

Each course is comprised of 4 class sessions. Each class session is held via Zoom on Wednesday evenings from 6:30 –

9:30pm ET and is free of charge.

The Technician & General classes are held in alternating months. The next course is the General Course scheduled to begin June 7th. Please note, that the courses are meant to prepare you for the FCC license exam, but do not include the license exam itself.

Pre-registration is required for each course. Please contact Richard Weinbaum, KK4RR at 336-687-8001 or

KK4RR@mac.com to register.

The starting dates for each course in 2023 are as follows:

Technician Course:

~~January 4, March 1, May 3,~~ July 12
September 6

General Course:

~~February 1, April 5,~~ June 7, August 9,
October 4

HPARC JUNE CALENDAR

- 5 — **HPARC Meeting**
- 10 — W4VEC Greensboro VE session
(Hinshaw United Methodist Church)
- 14 — Flag Day
- 18 — Father's Day
- 18 — HPARC Newsletter Deadline
- 19 — Juneteenth
- 24 & 25 — ARRL Field Day 2023

JUNE BIRTHDAYS

- Christopher Furr — 9
- Patti Bitner, K4AGV — 18
- Jerry Yarborough, KA4LMX — 17
- Camille Taylor, KX4CAM — 18
- Don Davidson, KO4ZZW — 23

For W4VEC Test information, call or email Keith Thomas, KA4JAH, (336) 906-2469, KA4JAH@Aol.com

2023 HPARC OFFICERS

David Macchiarolo, AJ4TF — President — Please contact other officers at this time.
Terence Crandall, N4TLC — Vice-President — 336-413-9589 — VicePresident@W4UA.org
Keith Thomas, KA4JAH — Secretary — 336-906-2469 — Secretary@W4UA.org
Peter Kapetanakis, KN4OCX — Treasurer — 336-978-2337 — Treasurer@W4UA.org

Newsletter Editor — Peter Kapetanakis KN4OCX — 336 978 2337 — Kn4ocx@arrl.net
HPARC — www.w4ua.org — w4ua@arrl.net — 147.165 (67 Hz Tone) — 443.900

**Breakfast every
Saturday**

—
8:00 a.m.

—
**Biscuitville,
2709 S. Main St.**

The HPARC Newsletter is published monthly by the High Point Amateur Radio Club (HPARC) for its members. The HPARC Newsletter serves as a source of information about Club activities, and general news items of interest to Amateur Radio. Material in this Newsletter be reproduced provided the HPARC is properly credited. Complimentary issues of the HPARC Newsletter are available by writing to the HPARC Newsletter at PO Box 4941, High Point, NC 27263 or emailing your request to w4ua@arrl.net. Membership in the HPARC is open to all licensed Amateur Radio operators. Membership is \$24.00 a year. Associate membership is also available to those who are interested in Amateur Radio but who do not currently hold a license. Associate membership is \$12.00 a year.

The High Point Amateur Radio Club meets the first Monday of each month (except for holidays) at a local restaurant announced in the newsletter. Come early to enjoy dinner. The business meeting starts at 6:30 p.m. followed by a short program of interest. Family and visitors are welcome to attend. For more information, please call or email one of the HPARC officers listed in this newsletter. Contributions and letters/emails to the editor are welcome.