

HPARC NEWSLETTER

High Point Amateur Radio Club



NOVEMBER MEETING

This month the nominating committee will present their recommendations for officers for the HPARC for 2022. Please be present to lend your support or to nominate someone of your choosing. Elections will take place in December. No further nominations will be allowed at the December meeting.

At the October meeting, David presented a program on how to figure the RF Exposure requirement the FCC has recently instituted.

The program for November will be on solar activity and HF radio propagation. With the latest sunspot cycles

HPARC Meeting
6:30 p.m. / Meal: 6:00 p.m.
November 1, 2021
J&S Cafeteria
5835 Samet Drive, HP
& on the Zoom app

starting to increase, this should be a timely program.

David Macchiarolo is in

charge of sending out Zoom email invitations to the club meeting. If you are planning to attend the meeting via Zoom and have not gotten an invitation, please contact David and let him know (email under Officers in this newsletter).

Please send your club dues directly to Warren Gallemore, HPARC Treasurer. His email address is listed in this newsletter if you need to contact him.

Hope to see everyone at the meeting. Take care.

ARRL YOUTUBE CHANNEL TECH COURSES

ARRL's YouTube channel, ARRLHQ, has launched a series of Amateur Radio Technician-class license courses. This series of videos features Dave Casler, KE0OG, QST's "Ask Dave" columnist, who leads viewers through

The ARRL Ham Radio License Manual. These videos supplement the manual and provide an overview of the sections students will study, along with a few videos on how things work. Share this excellent resource with those who are

preparing to take the Technician exam, and visit the ARRLHQ YouTube channel for more great Amateur Radio videos.

—*The ARRL Letter*,
 October 22, 2021

Rick Lindquist, WW1ME, Ed.

OFFICER NOMINATIONS FOR 2022

The HPARC Nominating Committee has made their recommendations for officers for 2021. Their selections are: David Macchiarolo, AJ4TF, for President; Terence Crandall, N4TLC, for Vice-president; Keith Thomas, KA4JAH, for Secretary; and Peter Kapetanakis, KN4OCX, for Treasurer.

Additional nominations may

be made from the floor at the November meeting. Elections will be held at the December meeting, and, as stated in the HPARC bylaws, no further nominations may be made at the December meeting.

Thanks to the Nominating Committee (Terrance Crandall (chairman), David Macchiarolo, George McCormick, Camille Taylor, and Peter Kapetanakis

for their help selecting next year's slate of officers.

HPARC/Zoom Meeting
November 1, 2021

J&S Cafeteria,
5835 Samet Drive, HP
& on Zoom

Meal at 6:00 p.m.
 Business meeting at 6:30 p.m.

ULTRA-TINY BATTERY SHOWS POWER AND PROMISE

The smaller the battery, the more powerful the possibilities? The designers of a new battery technology being used in a fitness tracker would like to think so. California-based Sila created the battery for a wristband tracker that experts say could revolutionize everyday electronics and perhaps have implications for modes of transportation too. For now, the ultra-tiny powerhouses are in a niche-market item, a fitness tracker called the Whoop

4.0. According to a New York Times article, the battery has the same lifespan as the power source used in the previous model of that tracker but it's a whole one-third smaller.

Sila and Whoop together said the battery had potential for mass marketing in other devices in the next couple of years. Unlike lithium-ion batteries, which rely on the ionization and movement of lithium atoms, these new batteries use an anode made of silicon

instead of graphite, requiring smaller space for the lithium atoms as they move from the anode side of the battery to the cathode.

Sila and another company, QuantumScape, told the New York Times that their batteries will likely be used in a few short years in smart eyeglasses, electric cars and maybe even flying cars one day.

—*Amateur Radio Newsline*,
Report 2290,
September 17, 2021

BROADBAND FOR THE BIRDS?

Satellite enthusiasts are known to call their passion “working the birds.” Who doesn't love the thrill of bouncing signals from on high with a little help from some Ham-friendly tech in the sky? But not all birds, apparently, are friendly to radio signals.

In this case, we mean the feathered kind of birds which are being eyed for possible disruption of a satellite broadband service. Call it suspected RFI -

for Ruffled Feather Interference.

Pigeons, it seems, may be a source of trouble for at least one man who is beta-testing Elon Musk's Starlink service in the UK. Signals from the low-earth-orbit satellite system are sent to small rooftop receiving dishes that could appear to be a birdbath in need of refilling — that is, if you happen to be a thirsty bird.

Alan Woodward, a professor at the University of Surrey, told

the BBC in a recent report that he blames roosting pigeons for his intermittent lack of reception. The BBC interviewed an unnamed expert who said the presence of pigeons could impact service but the BBC had no comment from Starlink itself. One thing is certain, however: satellites most definitely benefit from line of sight, not line of flight.

—*Amateur Radio Newsline*,
Report 2289,
September 10, 2021

SIGN UP OR RENEW YOUR ARRL MEMBERSHIP

If you haven't signed up for the ARRL membership or need to renew your membership, do so through the club. By doing so, the club gets to keep \$15 of new memberships and \$2 of renewals.

As an ARRL member, you will benefit from getting the QST Magazine or the

new On The Air magazine, online services such as QST online monthly digital edition and archive, On The Air online digital edition, product reviews, email forwarding, e-newsletters, availability to Ham Radio equipment insurance, outgoing foreign QSL service, free FCC license renewal, as well as

supporting the ARRL which represents Ham Radio in Washington, plus many other services.

To start your ARRL membership or renew, make your checks out to the HPARC and see our treasurer. If you are renewing, give your renewal form to the HPARC Treasurer get proper credit.

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. Opinions expressed herein are not necessarily those of the HPARC or its officers. Material in this newsletter may 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. Subscriptions are available to non-members for \$12.00 a year. Contributions and letters/emails to the editor are welcome.

Membership is open in the HPARC 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. Student membership is also available for \$12.00 a year.

The High Point Amateur Radio Club meets the first Monday of each month (except for holidays) at 5:00 p.m. at a local restaurant announced in the newsletter. The business meeting starts at 6:00 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.

HAMMARLUND RADIOS TAKE SPOTLIGHT IN NOVEMBER EVENT

You don't have to have a Hammarlund radio to participate in the 2021 Hammarlund Radio Hullabaloo special event in November but it sure can't hurt.

This year's Hammarlund radio special event is a busy one for members of the High Appalachian Mountain Amateur Radio Club. Special event station W4H is marking two occasions this year: the 160th anniversary of the birth in Sweden of Oscar Hammarlund, founder of

Hammarlund Manufacturing—and the 70th anniversary of the radio factory he opened in Mars Hill, North Carolina, to produce Hammarlund radios. Hammarlund founded his company in New York City in 1910 and while it was operating there, it created the first commercial short-wave superheterodyne receiver. North Carolina, however, was home to Hammarlund's last manufacturing plant, which closed in 1973.

Even if your radio is a newer

model, you can still contact operators between the 17th of November at 1100 UTC and 19th of November at 0100 UTC—but don't be surprised if you are one of the older classic Hammarlunds. Operators will be calling QRZ using CW, SSB, AM and FM as well as FT-8. Hams in the area can also make contact via the Mount Mitchell repeater on 145.190 MHz.

—*Amateur Radio Newsline*,
Report 2295,
October 22, 2021

ONLINE 'BOOT CAMP' COVERS RADIO BASICS AND MORE

If you're licensed and still confused, welcome to the club. Or better still, welcome to a boot camp that's being held just for Hams and would-be Hams who have more questions than answers.

Members of the Nashua Area Radio Society believe it's important to take the mystery out of Amateur Radio for licensees, whether they're new Technicians or veterans with an General or Extra class

license. The camp is being held on Saturday, November 13th, offering tutorials and demonstrations on everything from putting together an HF station and operating SSB to fox hunting, CW operation, programming a radio, joining a repeater net, and even the basics of Echolink. Sessions will be held from 10 a.m. to 6 p.m.

The radio society website notes that the bootcamp is

for anyone in North America, not just Amateurs in the New England states. Attendance is even open to prospective Amateurs who want to learn more about what awaits them once they do get licensed.

To register, or for more information, go to <https://www.n1fd.org/ham-bootcamp/>

—*Amateur Radio Newsline*,
Report 2295,
October 22, 2021

16TH ANNUAL ARRL ONLINE AUCTION

The 16th Annual ARRL Online Auction begins on Friday, October 8, at 10 AM EDT (1400 UTC). The auction continues through Thursday, October 14. A preview of the items that will be up for bid began on Tuesday, October 5. This year's auction features ARRL Product Review and vintage equipment, classic books, novelties, and the ever-popular ARRL Lab "Mystery" boxes.

Visit the Auction website, register to bid, and check out

details on the items available. Plus, keep an eye on the ARRL Facebook page for featured products and auction highlights throughout the event.

Prospective bidders must register and create an account. Your arrl.org user ID and password will not work on the auction site. Registration is a one-time action. If you have previously registered for the ARRL Online Auction, you can use the same username and password to sign into this year's auction.

(If you have forgotten your username or password, click on the "Help" tab for assistance.)

If you don't want to bid but would still like to contribute to the ARRL Education and Technology Fund, visit arrl.org/donate.

For more information about the ARRL Auction, contact Lisa Tardette, KB1MOI.

—*The ARRL Letter*,
October 7, 2021
Rick Lindquist, WW1ME,
Editor



High Point Amateur Radio Club
PO Box 4941
High Point, NC 27263

HPARC NOVEMBER CALENDAR

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|--|--------------------------------|
| 1 — HPARC Club Meeting | 21 — Jarsfest, Benson, NC |
| 2 — Election Day | 25 — THANKSGIVING |
| 6-8 — ARRL November Sweepstakes, CW | 28 — HPARC Newsletter deadline |
| 7 — Daylight Savings Time ends
(move clocks back one hour) | |
| 10 — Marine Corps Day | |
| 11 — VETERAN'S DAY (observed) | |
| 13 — Greensboro VE Session, Hinshaw
United Methodist Church | |
| 20-22 — ARRL November Sweepstakes, phone | |
| 20-21 — EME - 50 to 1296 MHz | |

BIRTHDAYS

- Denny Wojnar — November 12
 Bob Holmes — November 18
 Steve Chambers — November 20
 Marie Bertolino — November 25
 Lewis Denny — November 26

For W4VEC Test information, call or email David Macchiarolo, AJ4TF, (336) 420-9424, aj4tf@arrl.net

2021 HPARC OFFICERS

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 Tom Bertolino — Vice-President — 781-608-6186 — kb1p@arrl.net
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**Breakfast
 every Saturday**
 —
8:00 a.m.
 —
**Biscuitville,
 2709 S. Main St.**