



September
2022

HPARC NEWSLETTER

High Point
Amateur Radio
Club



Take Your Radio On The Road With A POTA Or SOTA Activation

By: Peter Kapetanakis, KN4OCX

Have you ever gotten tired of sitting at the desk in your ham shack for hours on end just trying to get that one specific contact? Perhaps you thought it would be easier if you could just get your antenna just a little bit higher. After all, in the world of amateur radio, antenna height is king. That's where POTA and SOTA come into the equation. POTA (Parks On The Air) and SOTA (Summits On The Air) are two ways to help you get some fresh air and that every so

great antenna height. To conduct a POTA activation all you need to do is to make and log a total of 10 contacts on any band in any mode. Start by going to <https://parksontheair.com/> Create a free account and locate a designated park that you would like to activate. Designated POTA parks can be found all over the globe. Locations are typically state and national parks, but there are other locations too. Remember to get permission from any property owner or park ranger.

SOTA Activations are very similar to that of POTA; however, with SOTA your location need to be at the Summit of a designated peak or mountain top. To get started with SOTA go to <https://www.sota.org.uk/> to sign up for a free account and to get more information. Many of our members are active POTA participants and a few are active with SOTA. And we can assure you it's a great activity. Photos of a recent POTA activation can be found at the end of this newsletter.

New ARRL Radio Lab Inspires Innovation in the Ham Shack

Source: ARRL Letter - August 4, 2022

ARRL has unveiled its new Radio Laboratory, W1HQ, in a [video](#) released on August 4, 2022. In the video, Jherica Goodgame, KI5HTA, a summer intern at ARRL Headquarters, tours viewers through the station.

"The ARRL Radio Lab is an innovative test space designed to reshape the way we imagine and build a ham radio shack," said Goodgame. The station is intended to inspire members to build, organize, and equip their own stations in innovative ways. "From a decluttered workspace and

a digital user interface, to being able to remote into the equipment from anywhere, W1HQ is a step towards the future of amateur radio stations," Goodgame added.

The station includes a new tower and antennas atop the main administrative building at ARRL Headquarters in Newington, Connecticut. Inside the station, three operating positions provide an interface to rack-mounted and computer-controlled transceivers, amplifiers, antenna switches, and rotators.

Goodgame explained that the Radio Lab will also support equipment testing and QST Product Review. "An extension of product reviews in the future will be to take that piece of gear that we're testing, put it on this test bench, and see how it integrates with a station that's already under full automation and control," she said.

The video is published on ARRL's YouTube channel at <https://youtu.be/68BJxGHg74Y>.

Upcoming Volunteer Opportunities

Tour De Tanglewood Race

Sponsor: MS Society
September 24 & 25

Ham Radio Operators need to man rest stops, drive SAG vehicles, and more. You can volunteer for one day or both.

Please contact Harlan Cobert, W1HRC for more information at auxc@fcauxcomm.org

PM2HR Ultra Marathon

The HPARC has been requested to provide communication services for this event to be held on October 1st. The HPARC has not yet formally committed our resources as we are still investigating whether or not this is a for profit event and if providing amateur radio services would be a violation of FCC Part 97 rules. This will be an item of discussion at our next club meeting on September 5th.

HPARC Meeting
6:30 p.m.

September 5, 2022

Mario's Pizza
2645 N.Main St.
High Point, NC 27265

& Zoom

International Space Station Upgrades Amateur Radio Operations

Source: ARRL Letter, August 18, 2022

ARISS, Amateur Radio on the International Space Station, announced that simultaneous operations of the ARISS voice repeater and digital APRS (Automatic Packet Reporting System) communications on the Space Station are now a reality.

Current ARISS operations include voice repeater transmissions with the JVC Kenwood TM-D710GA in the Columbus module and APRS operation from an identical radio in the Zvezda module. Packet operations are on 145.825 MHz.

The Columbus module radio uses the call sign NA1SS and the new radio in Zvezda uses RS0ISS. Aside from the call signs, the radios are identical, and packet operations are the same as before. You can use RS0ISS, ARISS, or APRSAT as the packet path. Both radios are expected to be running full time, except during educational contacts, extra vehicular activities (EVAs), and docking maneuvers. Final checkouts and equipment activation occurred on August 11.

ARISS International Chair Frank Bauer,

KA3HDO, said, "Simultaneous operation of APRS and the voice repeater on ISS is transformative for ARISS. It represents a key element of our ARISS 2.0 initiative, providing interactive capabilities 24/7 that inspire, engage, and educate youth and lifelong learners -- especially lifelong learning in ham radio operations. Our heartfelt thanks to Sergey Samburov, RV3DR, for making this crucial ARISS 2.0 initiative become a reality."

Rosalie White, K1STO, one of two US delegates to ARISS, said the ham radio community will be very happy with the new radio operations from the ISS. "Hams really love doing ARISS packet, cross-band repeater, and Slow-Scan Television (SSTV) operations. Besides the thousands who download ARISS SSTV images downlinked from the ISS, we discovered that in a year's time, hams did 80,000 ARISS packet messages," she said. "We are not sure how many have been enjoying the ARISS cross band repeater, but we know it is a lot. This simultaneous operation capability is going to make many hams happy -- and we know that keeping hams on the air is good for ARRL and good for amateur radio," White

added.

Operational status and expected downtimes of the ISS radios can be found at www.ariss.org/current-status-of-iss-stations.

ARISS is a cooperative venture of international amateur radio societies and space agencies that support the ISS. In the US, sponsors are the Radio Amateur Satellite Corporation (AMSAT), [ARRL](http://www.arrl.org) The National Association for Amateur Radio®, and NASA's Space Communications and Navigation (SCaN) program. The primary goal of ARISS is to promote exploration of science, technology, engineering, arts, and mathematics topics. ARISS does this by organizing scheduled contacts via amateur radio between crew members aboard the ISS and students. Before and during these radio contacts, students, educators, parents, and communities take part in hands-on learning activities tied to space, space technologies, and amateur radio. For more information, see www.ariss.org and www.arrl.org/amateur-radio-on-the-international-space-station.

Hams Radio Operators Support American Red Cross in Kentucky Flood Response

Source: ARRL Letter, August 4, 2022

As the flood waters began to recede following devastating rainfall in Kentucky that began on July 26, the American Red Cross reported that over 400 of their disaster workers were on the ground, as well as dozens more in other locations. They provided shelter, meals, and other forms of support. Red Cross teams also worked alongside their state and municipal partners among others, including Kentucky Amateur Radio Emergency Service® ([ARES](http://www.kares.org)) volunteers.

[ARRL](http://www.arrl.org) Director of Emergency Management Josh Johnston, KE5MHV, was in touch with American Red Cross personnel in the affected area. He said ham radio volunteers were supporting Red Cross damage assessment teams with radio communications. "The rural and mountainous terrain of the affected area adds to the already difficult situation," said Johnston.

Much of the local response effort is being coordinated by Steve Morgan, W4NH0, of

Owensboro, Kentucky. The response of radio amateurs throughout the region is under and in cooperation with an existing Memorandum of Understanding (MOU) with the Kentucky Chapter of the American Red Cross.

ARES® groups from Ohio and Virginia have also been in touch with hams in the affected areas and have been on standby, ready to respond if needed.

General Class License Training Via Zoom

The Tri-County ARC, High Point ARC, and GARA are sponsoring a General License Class via Zoom. If you are a Technician license ham operator and are looking to upgrade to a General Class license, this class may be what you need to help you pass that exam.

Start/End Dates:

09/14/2022 - 10/05/2022

Times: 6:30 - 9:30 pm Eastern

of Sessions: 4

Class level: General

Morse code offered: No

Pre register required: Yes

Fee: 0

Pre Study required: No

Class Type: Online or Hybrid

Exam offered: No

Sponsoring Club/Organization:

Tri-County ARC, High Point ARC, and GARA

Instructor: KK4RR

Contact: Richard Weinbaum KK4RR

Phone: (336) 687-8001

Email: KK4RR@mac.com

Location: Online via Zoom

Additional

Information: Instructors: AJ4TF, AE4TI, KA4JAH, K4AX, NA4U, and KK4RR Contact KK4RR to register.

POTA Photos



HPARC SEPTEMBER CALENDAR

SEPTEMBER BIRTHDAYS

- 1 — **HPARC Meeting**
- 10 — W4VEC Greensboro VE Session
(Hinshaw United Methodist Church)
- 14 — General Class begins.
(Contact Richard Weinbaum KK4RR@mac.com for information)
- 21 — HPARC Newsletter Deadline
- 23 — W4VEC High Point VE session
(Hickory Chapel Wesleyan Church, Fellowship Bldg)

- Matt Flyer – 5
- Dwight Sledge – 7
- Bobby Draughan – 11
- Thomas Evans – 28

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

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**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.