

JANUARY 2022

HPARC NEWSLETTER

High Point
Amateur Radio
Club



JANUARY MEETING

New Year, new crew. We start the New Year with a totally new slate of officers (with one exception stepping up to a higher office). Most importantly, I get to be a regular member now and vote against everything the new administration puts before the club. Should be lots of fun.

Don't know what the January program will be or if David has had time to recover to think about it.

The December HPARC meet-

ing/Christmas party was small in attendance, but everyone still had fun. As always, there was plenty of food.

HPARC Meeting

6:30 p.m.

Meal: 6:00 p.m.

January 3, 2022

J&S Cafeteria

**5835 Samet Drive, HP
& on the Zoom app**

You will note at the end of this newsletter that email

addresses have changed to a standard format to make it easier for future transitions. Thanks to Lon Cecil for getting this accomplished.

Don't know how our new treasurer wants to handle club dues, so for now, wait until we have a plan in place before sending your dues to the club.

Give the new officers your support. They will need it. They will get all the grief they can handle from me. Hope to see you all at the meeting.

SENATOR BLUMENTHAL SUPPORTS AMATEUR RADIO AT SENATE CONFIRMATION HEARING

Senator Richard Blumenthal (CT) received an affirmative reply from FCC Chairwoman Jessica Rosenworcel when he asked her to commit to providing his office "an update on the steps that the FCC is taking to support Amateur Radio operators." The Senator posed the written question as part of Rosenworcel's renomination hearing conducted by the Senate Commerce, Science, and Transportation Committee.

Blumenthal noted specifically that "Radio Amateurs voluntarily provide an array

of public services, especially emergency and disaster-related support communications when infrastructure has been destroyed by a hurricane or similar disaster. Their contributions in this area are regularly recognized by local and state authorities."

"ARRL is grateful to Senator Blumenthal for his support and recognition of Radio Amateurs," said ARRL President Rick Roderick, K5UR. Blumenthal has previously co-sponsored legislation supporting Amateur Radio, and

his staff was recently briefed by ARRL on pending Amateur Radio matters at the FCC. Roderick added, "We need the partnership of the FCC and Congress to ensure our rules

Senator continued inside...

**HPARC/Zoom Meeting
January 3, 2021**

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

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

CHRISTMAS DAY ROLL CALL 2021

A Christmas Day tradition started many years ago by SK Fred Browning, Christmas Day Roll Call is a time for HPARC members to take a moment to gather on

the club's repeater, 147.165, and exchange Christmas greetings.

Camille Taylor, KX4CAM, was our net control operator for this event. Camille reports that

14 Hams (members and other Hams listening to our repeater) checked in Christmas morning.

Thanks, Camille, for doing an excellent job as net control.

WORLD'S SMALLEST MOON LANDER FROM JAPAN WILL PUT HAM RADIO TRANSMITTER ON THE MOON

Japan's OMOTENASHI, the world's smallest moon lander, will have an X-band and UHF communication system, although it will not carry an Amateur band transponder. OMOTENASHI is a 6U CubeSat set for launch via a NASA SLS rocket as early as February 2022. It will have a mission period of from 4 to 5 days. The name is an acronym for Outstanding Moon Exploration Technologies demonstrated by Nano Semi-Hard Impactor. Wataru Torii of the Japan Aerospace Exploration Agency (JAXA) Ham Radio Club, JQ1ZVI, said Radio Amateurs can play a role in gathering data from the spacecraft.

The spacecraft is made up of two separable components, both having independent communication systems — an orbiting module and a surface probe. The orbiting module will take the surface probe to the moon. It will transmit beacon or digital telemetry data on UHF (437.31 MHz). The surface probe — the moon lander — will transmit digital telemetry or three-axis acceleration analog-wave with FM modulation on UHF (437.41 MHz). Transmitter power will be 1 W in both cases.

“If we succeed in receiving the UHF signal from the surface probe, we could know the acceleration data on the impact on the

moon and the success of the landing sequence,” Torii explained.

“We already have a station for uplink and downlink at Wakayama in Japan — used as an EME [moonbounce] station. However, if the satellite is invisible from Japan, we cannot receive the downlink signal. So, we need a lot of help from Ham Radio stations worldwide.”

The orbiting module beacon will transmit on 437.31 MHz using PSK31. The surface probe beacon will transmit on 437.41 MHz using FM, PSK31, and PCM-PSK/PM.

—*The ARRL Letter*,

December 9, 2021

Rick Lindquist, WW1ME, Ed.

NASA SOLAR PROBE 'TOUCHES' THE SUN

With Solar Cycle 25 upon us, who isn't even a little bit obsessed with the sun? NASA has announced a milestone moment in the life of the Parker Solar Probe: this year it reached the corona of the sun, a move into the solar atmosphere that is expected to yield more - and more detailed - insights into space weather. The US space agency is commenting only now on the achievement, which happened last spring, three years

after the probe's launch, following the publication of a recent paper in the *Physical Review Letter*, which discussed the latest chapter of the Parker probe's journey. NASA said the probe's entry into the super-hot corona meant it was “flying into the eye of a storm.” Once there, it studied solar wind and examined magnetic patterns known as “switchbacks” which have their origins on the surface of the sun itself.

The paper's lead author, Justin Kasper, was quoted by National Public Radio, as saying that entry into the corona lasted for several hours and was an expected and much-anticipated occurrence. The probe, which is built to tolerate more than 2,000 degrees Fahrenheit, is expected to re-enter the corona in January of 2022.

—*Amateur Radio Newsline*,

Report 2256,

December 24, 2021

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.

...*Senator continued from cover* and spectrum continue to support the march of technological innovation in our vibrant Amateur Radio Service.”

Multiple proceedings to update

or change the FCC’s Amateur Radio Service Part 97 rules to account for changes in technology and operating practices have been languishing at the FCC, some going back five or more

years. ARRL is hopeful that these will be addressed soon.

—*The ARRL Letter*,
December 9, 2021
Rick Lindquist, WW1ME,
Editor

DAYTON HAMVENTION EXPECTS TO BE LIVE EVENT IN 2022

Dayton Hamvention organizers are planning to mount an in-person show in 2022, the first following 2 years of COVID-related cancellations. The event is set for May 20 – 22 at the Greene County Fairgrounds and Expo Center in Xenia, Ohio. Last January, Hamvention organizers from the sponsoring Dayton Amateur Radio Association (DARA) announced they were calling off the 2021 event after considerable planning was already under way. The Hamvention Executive Committee cited lagging COVID-19 vaccine distribution in the US and the emergence of a more communicable form of the virus.

Southgate Amateur Radio News quoted Hamvention General Chairman Rick

Allnutt, WS8G, as saying that Hamvention committees “have been meeting, and volunteers are committed to making up for the time lost to pandemic cancellations.” The Hamvention website is already accepting bookings from vendors and inside exhibitors, and individual visitors can already buy tickets, which Allnutt said, “are all printed and ready to go.”

Nominations for the 2022 Hamvention Awards opened on November 1. Hamvention seeks “the best of the best” nominees for its Technical Achievement, Special Achievement, Amateur of the

Year, and Club of the Year awards. Nominations close on February 15, 2022. Submit nomination forms via email or USPS to Hamvention Awards Committee, Box 964, Dayton,

*An optimist stays up until
midnight to see the New Year in.
A pessimist stays up to make sure
the old year leaves.*

—*William E. Vaughn*
Journalist & Author

OH 45401-0964. The 2022 Dayton Hamvention is an ARRL-sanctioned event.

—*The ARRL Letter*,
December 2, 2021
Rick Lindquist, WW1ME, Ed.

ARRL STRAIGHT KEY NIGHT

On New Year’s Eve and New Year’s Day, break out your straight key or bug to join in the fun of ARRL Straight Key

Night (SKN). Straight Key Night is held every January 1, 0000 – 2359 UTC. Technician licensees have CW privileges on

parts of 80, 40, and 15 meters.

—*The ARRL Letter*,
December 16, 2021
Rick Lindquist, WW1ME, Ed.

DAYTON HAMVENTION IS A ‘GO’

Dayton Hamvention 2022 is not just going to be a premier Hamfest but a reunion, as organizers prepare for the first gathering at the Xenia Fairground and Expo Center in Ohio after two years of cancellations. Hamvention’s general chairman Rick Allnut WS8G told Newsline in a phone interview that commit-

tees have been meeting and volunteers are committed to making up for the time lost to pandemic cancellations.

Hamvention will be happening on Friday, May 20th through Sunday, May 22nd with an international reception scheduled on Thursday, May 19th. Rick said the registration site is already taking

bookings from vendors and inside exhibitors and individual visitors can already buy their tickets. All details are available on the hamvention.org website. Rick said: “Tickets are all printed and ready to go.”

—*Amateur Radio Newsline*,
Report 2298,
November 12th, 2021



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

HPARC JANUARY CALENDAR

1 — NEW YEAR'S DAY

1 — ARRL Straight Key Night

1 — ARRL Kid's Day

3 — HPARC Club Meeting

8-9 — ARRL RTTY Roundup

8 — Greensboro VE Session, Hinshaw

United Methodist Church

15-17 — ARRL January VHF Sweepstakes

17 — MARTIN L. KING JR BIRTHDAY

30 — HPARC Newsletter Deadline

29 — W4VEC High Point session (Hickory

Chapel Wesleyan Church, Fellowship Bldg)

BIRTHDAYS

Larry Frye — January 15

Robert Erdin — January 16

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

2022 HPARC OFFICERS

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**Breakfast
every Saturday**

—
8:00 a.m.

—
**Biscuitville,
2709 S. Main St.**