Saturday, May 18th, 2024

TIME	ROOM	FORUM
9:15 AM to 10:20 AM	Room 1	**Ham Nation and Friends** Moderator: Josh Nass, KI6NAZ Speaker: Gordon West, WB6NOA Ham Nation discussion with past guests and youtube creators.
9:15 AM to 12:00 PM	Room 2	**Youth Forum** Moderator: Carole Perry, WB2MGP The 2024 Youth Forum will showcase 6 young hams who will each speak about what fun activities they are passionate about in Ham Radio. There will also be a prominent surprise guest speaker. You must be present to receive one of the many door prizes. Ian Alkema KI8AN Topic: "Fun with POTA – Perfect Opportunity To Adventure" Brianna Wall KO4NLR Topic: "4-H Clubs and Ham Radio for Kids" Cameron Frey KD9VGV Topic: "Working Outside the Shack with POTA and Satellites" Anderson Ray K4RAY Topic: "All the Fun of Youth on the Air YOTA" Elise Campbell KE8TYU and Katie Campbell KE8LQR Topic: "How I Got Introduced to and Licensed in Ham Radio Through Our School Club K8LPS"
9:15 AM to 10:50 AM	Room 3	**Good Operators and Interference** Moderator: Bart Jahnke, W9JJ, ARRL Regulatory Information Manager Participants: Lark Hadley, KA4A, Director, Region Three, FCC Enforcement Bureau; Riley Hollingsworth, K4ZDH, ARRL Volunteer Monitor Program Administrator; George Spatta, W1GKS, ARRL Laboratory Manager This session will include advice for helping each other maintain high standards on the air. Topics will include an update on the ARRL Volunteer Monitor Program and a summary of the program for 2023; how to use the FCC Enforcement Bureau Complaint Portal, for what kinds of cases, and what can be expected after a complaint is filed; ARRL's process for helping members with RFI issues, and ARRL's role in protecting the amateur radio spectrum. This forum is part of the 2024 ARRL National Convention track.
9:15 AM to 10:15 AM	Room 4	**Getting Started with FreeDV Digital Voice and Web GUI Construction Set for Every Ham** Moderator: Mel Whitten, K0PFX Speakers: Mooneer Salem, K6AQ and Bruce Perens, K6BP Ever tuned around the voice part of the bands and heard a buzzing sound, especially close to 14.236 MHz? It turns out that you may be missing out on an exciting way of making voice contacts with less power and QRM! Mooneer (K6AQ) will talk about how to get started with FreeDV, an up and coming digital voice mode designed for use on HF. What if you could create a web control panel for your station, no matter what equipment you had, and without programming? You'd add your rotators and antenna switches, controls for all of the modes you use, and maybe control a remote station or two. All at the same time, from the same screen, and on any hardware and OS that supports a modern web browser.
10:25 AM to 11:35 AM	Room 4	**Fast Scan ATV** Moderator: Art Towslee, WA8RMC Speakers: Gordon West, WB6NOA Art and Gordon will present Digital ATV basics with a comparison of DVB-S, DVB-T and analog ATV operation.
10:30 AM to 11:40 AM	Room 1	**Parks on the Air** Moderator: Matt Heere, N3NWV Matt will be discussing the Parks on the Air program. He will give an overview of the program and provide the info you need to get started in the exciting world of park operation. There will also be "lessons learned" from experienced POTA operators as well as an update on how POTA faired in 2023. The session is designed so that there's something for everyone from brand new to POTA to the seasoned participant. There will be time for Q&A and questions are most certainly welcome
11:00 AM to 12:00 PM	Room 3	**ARRL Membership Forum** Moderator: Scott Yonally, N8SY, ARRL Director — Great Lakes Division Panelists: Rick Roderick, K5UR, ARRL President; Kristen McIntyre, K6WX, ARRL First Vice President; David A. Minster, NA2AA, ARRL CEO

ARRL is the National Association for Amateur Radio®. No other organization works harder to promote and protect amateur radio! At this session, you'll hear from representatives on several key areas of membership interest including ARRL initiatives to engage more youth in amateur radio through STEM education programs and free ARRL membership for students; efforts to recruit and develop greater participation in the ARRL Amateur Radio Emergency Service® (ARES®); ARRL's work to help hams who are faced with involuntary limitations that limit their amateur radio operations, and more. Members and prospective members are all welcome! This forum is part of the 2024 ARRL National Convention track.

11:45 AM to 12:45 PM	Room 4	VHF/UHF/Microwave Forum

Moderator: Tony Emanuele, K8ZR

Speakers: Joel Harrison, W5ZN; Rus Healy, K2UA; and Jay Baack, N1AV

The forum discusses current topics related to the amateur bands from 50 MHz thru the mm-Wave bands. Presentations will include 1) A Summary of WRC23 by Joel Harrison, W5ZN IARU Secretary 2) TBD by Rus Healy, K2UA and 3) 902 MHz WAS Chase & the March 2024 EME Dxpedition to Hawaii by Jay Baack, N1AV:

11:50 AM to 1:50 PM	Room 1	DX Forum

Moderator: Brian Bathe, AD8FD

Speakers: James Gallo, KB2FMH; Adrian Ciuperca, KO8SCA; Gene Spinelli, K5GS and Cezar Trifu, VE3LYC

DXPedition Reviews including 1) KH8RRC presented by KB2FMH 2) W8S presented by KO8SCA 3) TX5S presented by K5GS 4) V62S & V62P presented by VE3LYC

12:10 PM to 1:10 PM	Room 2	ARISS: Celebrating 40 Years of Amateur Radio on Human Spaceflight Missions

Moderator: Frank Bauer, KA3HDO

Speakers: Tanya Anderson, KD9BQZ; Randy Berger, WA0D; Jim Reed, N4BFR; and Rosalie White, K1STO

In December 1983, Astronaut Owen Garriott, W5LFL, talked to the world via amateur radio and transformed astronaut communications forever. Prior to Garriott's flight, only selected mission controllers and heads of state could talk to an astronaut. In this forum we will reflect on our past accomplishments and provide a vision of future ham radio operations and youth education on new and existing human spaceflight vehicles. Prepare for voyages in low Earth orbit and Deep Space! Expect some surprise guests and new announcements.

12:55 PM to 1:55 PM	Room 4	Integrating the Internet with Amateur Radio

Moderator: Tom Loughney, AJ4XM, QCWA President

Just as the number of Hams is growing, so is the information on the Internet. This forum provides an overview of the types of things most useful to Hams. It covers some sites you will know and some you will not. Plus, information on remote stations and using the Internet for remote control of your own station. All the sites mentioned, plus hundreds more, will be supplied in an interactive PDF file sent to your email address. This lets you select what interests you and just click on it. Door prize supplied by MFJ.

1:00 PM to 4:00 PM	Room 3	ARRL Youth Rally Activities

Moderator: Steve Goodgame, K5ATA, ARRL Education and Learning Manager

Connect with other young hams at Hamvention! We'll get to know each other, and we'll explore a variety of amateur radio interests and activities. Learn about satellite communications, participate in a short sprint contest, make contact with a parachute mobile station, and other fun! Bring a 2-meter handheld radio if you have one. This session is limited to students ages 11 – 21. Pre-registration is recommended at www.arrl.org/expo.

1:20 PM to 2:50 PM	Room 2	AMSAT

Moderator: Phil Smith, W1EME

Speakers: Robert Bankston, KE4AL; Jerry Buxton, N0JY; Alan Johnston, KU2Y; Drew Glasbrenner, KO4MA; and Frank Karnauskas, N1UW

AMSAT Forum Hamvention 2024 AMSAT Status Report: Robert Bankston KE4AL, AMSAT President, will highlight recent activities within AMSAT and discuss some of our challenges, accomplishments, projects, and any late breaking news.

AMSAT Engineering Program: Jerry Buxton, N0JY, AMSAT Vice President for Engineering, will talk about the Current and upcoming satellite missions.

AMSAT Education: Alan Johnston, KU2Y, AMSAT Vice President Education Relations will talk about the AMSAT CubeSat Simulator.

AMSAT Operations: Drew Glasbrenner, KO4MA, Vice President Operations, will discuss current satellites and operations.

AMSAT Development: Frank Karnauskas, N1UW, Vice President of AMSAT Development, will report on AMSAT Youth Initiative and its features.

2:00 PM to 3:50 PM	Room 1	Contesting

Moderator: Doug Grant, K1DG

Speakers: Mike Wetzel, W9RE; Mark Bailey, KD4D; Mark Haynes, M0DXR; Rus Healy, K2UA; John Dorr, K1AR; Paul Bourque, N1SFE; and Bart Jahnke, W9JJ.

This Forum will include presentations on various topics related to Radiosport including: 1)
"VP2VMM - A low-power effort with big results" - Mike Wetzel, W9RE and Mark Bailey, KD4D
2) "WRTC2026 Update" - Mark Haynes, M0DXR
3) "Contest Antiques Roadshow" - Rus Healy, K2UA
4) "The Evolution of Contesting in the 21st Century" - John Dorr, K1AR, Paul Bourque, N1SFE, and Bart Jahnke, W9JJ.

2:05 PM to 3:30 PM	Room 4	Arduino - Building Projects with Microcontrollers

Moderator: Glen Popiel, KW5GP

Join ARRL author Glen Popiel, KW5GP, in an all-new presentation as he demonstrates how to build projects with the Arduino and other microcontrollers. Learn just how easy it is to create your own feature-rich microcontroller-based projects for your home and ham shack.

3:00 PM to 5:00 PM	Room 2	System Fusion

Moderator: Mark Thompson, WB9QZB

Speakers: John Kruk, N9UPC, Sales Manager, Amateur Radio Sales Division, Yaesu USA

Yaesu and their System Fusion Technology offers an easy to use, amateur radio operator designed, digital voice technology. As many new amateurs enter the hobby a draw is the usage of digital voice and for it to be easy to use. Yaesu System Fusion offers a unique way to connect without the use of a repeater or aftermarket device. Join Yaesu and learn about WiRES-X during this two-hour education course. This course will provide the knowledge on connections, the software, and how to utilize a connection to the world using Yaesu System Fusion.

3:40 PM to 5:00 PM	Room 4	A Fun and New Way to Learn Morse Code

Moderator: Howard Bernstein, WB2UZE

Speakers: Mike Padron, N1CC and Jim Crites, W6JIM

Long Island CW Club (LICW) instructors will share how you can have fun learning and using Morse Code. You too can take part in the recent resurgence of Morse Code. LICW has molded their curriculum from the best of the past 100 years of CW instruction history and their own experience for the benefit of their students. They will discuss topics that include Head Copy, QSO Protocol, Sending, Instant Character Recognition, Speed, Plateaus, Keys, Fear of getting on the Air and More! Please come with your questions. Dit-Dit

4:00 PM to 5:00 PM	Room 1	Software Defined Radio

Moderator: Stephen Hicks, N5AC, CTO of Flex Radio

Multiple speakers will discuss new advances in Software Defined Radio (SDR) technology and software defined radios. At the close of the forum, speakers will form a panel and will take questions from the audience regarding SDR technology, products, advances or other topics relating to software defined radio.

4:00 PM to 5:00 PM	Room 3	ARRL Collegiate Amateur Radio Program (CARP)

Moderators: Tony Milluzzi, KD8RTT, Advisor, ARRL Collegiate Amateur Radio Initiative; Andy Milluzzi, KK4LWR, Advisor, ARRL Collegiate Amateur Radio Initiative; Bob Inderbitzen, NQ1R, Staff Liaison, ARRL Collegiate Amateur Radio Initiative; Steve Goodgame, K5ATA, Staff Liaison, ARRL Collegiate Amateur Radio Initiative

Since the ARRL Collegiate Amateur Radio Program (CARP) was established in 2017, we've been growing our community of participating students and ham radio clubs at colleges and universities. CARP holds monthly Zoom meetups and make connections through our CARP Facebook group and Discord. Join us! We're (re)inspiring ham radio among our nation's colleges and universities, meeting other students, and developing career connections. Students, alumni, and faculty are all welcome! The ARRL Collegiate Amateur Radio Program is sponsored in part by the W1YSM Snyder Family Collegiate & ARRL Affiliated Club Endowment Fund. This forum is part of the 2024 ARRL National Convention track.