

Saturday, May 20th, 2023

TIME	ROOM	FORUM
9:15 AM to 10:15 AM	Room 1	Ham Nation and YouTubers Moderator: Josh Nass, K16NAZ Ham Nation discussion with past guests and youtube creators.
9:15 AM to 12:00 PM	Room 2	Youth Forum Moderator: Carole Perry, WB2MGP Speakers: Landon Baumgartner, KE8TJU, Grace Papay, KE8RJU, Javan Miller, W8UA, Lyle Strachan, KE0ZNV, Collin Holdsworth, K0NNK, Katie Campbell, KE8LQR and Jim Storms AB8YK, the Hamvention General Chair Young Hams Landon Baumgartner KE8TJU, Grace Papay KE8RJU, Javan Miller W8UA, Lyle Strachan KE0ZNV, Collin Holdsworth K0NNK, and Katie Campbell KE8LQR give presentations. A special presentation will be given by Jim Storms AB8YK, the Hamvention General Chair, about getting young hams chosen for the Dave Kalter Youth DX Adventure (YDXA). ICOM will donate an HF rig for a door prize. You must be present to win.
9:15 AM to 10:40 AM	Room 3	Foxhunting/ Transmitter Hunting Moderator: Dick Arnet, WB4SUV Speaker: Bob Frey, WA6EZV; Brian DeYoung, K4BRI Basic foxhunting equipment and techniques for mobile and on foot foxhunting. Amateur Radio Direction Finding/Radio Orienteering. KrakenSDR high tech transmitter hunting
9:15 AM to 10:30 AM	Room 4	Arduino - The Next Generation Moderator: Glen Popiel, KW5GP Join the author of ARRL's Arduino for Ham Radio book series, Glen Popiel, KW5GP, in an all-new Arduino presentation, as he introduces exciting breakthroughs and discoveries in the world of Arduino, and demonstrates how you can take your Arduino projects to the next level.
10:25 AM to 11:20 AM	Room 1	Helping Hands - The Story of The Ham Radio Spirit in Ukraine Moderator: Carsten Dauer, DM9EE, Ham of the Year The story of true amateur radio community spirit in helping ukrainian ham radio families in a difficult time. Carsten will share how he is offering a home to evacuated Ukrainian family members in Germany as well as shipping tons of donated radio gear, power banks, solar panels, first aid kits etc. for use in the Ukrainian effort to defend against the Russian invasion.
10:40 AM to 11:50 AM	Room 4	Fast Scan ATV Moderator: Art Towslee, WA8RMC Speakers: Mel Whitten, K0PFX and Mike Collis, WA6SVT Introduction to Amateur Digital Hi-Def Television (DATV). Still using analog ATV? Let Mel show you how to upgrade to full motion high definition TV with a simple but fully functional Digital ATV station at an affordable cost. Both hardware and software will be covered including a home-brew interface to control readily available transmitters and receivers for the 70cm and up bands. Mike will describe the new features of the California ATN network and DATV repeater system. The ATN network located in the Los Angeles area is vast and the largest in the USA. It needs careful planning and maintenance so Mike will detail the work in progress to define and enhance the linking process as well as equipment needed to convert individual repeaters to digital operation. Wrap up and summary of the new DATV stand alone scanning receiver software progress. He is designing a new stand alone scanning digital television receiver with open source software powered by an embedded Raspberry Pi computer module. This will allow both DVB-S and DVB-T reception from up to 7 separate channels. With no RF signal, it outputs a series of selected slide show images. Art will describe the work in progress with a working prototype model.
10:50 AM to 11:50 AM	Room 3	ARRL - Good Operators and Interference Moderator: Riley Hollingsworth, K4ZDH, ARRL Volunteer Monitor Program Administrator Speakers: Lark Hadley, KA4A, Director, Region Three, FCC Enforcement Bureau, Bart Jahnke, W9JJ, ARRL Regulatory Information Manager and Steve Anderson, W1EMI, ARRL RFI Engineer Amateur Radio has a long history of instructing the rules and regulations, and helping each operator stay within the lines. This session will include an update on the ARRL Volunteer Monitor Program, and advice for helping each other maintain high standards on the air. We'll also cover best approaches to handling radio interference from solar panels and other solar devices. Sponsored by ARRL The National Association for Amateur Radio.
11:30 AM to 1:50 PM	Room 1	DX Forum Moderator: Jay Slough, K4ZLE and Brian Bathe, AF8FD Speakers: Thierry Mazel, F6CUK; Paul Granger, F6EXV; Jack Prendergast, N7JP; and Robin Amundson, WA7CPA

		<p>The SWODXA is proud to moderate the DX forum again this year, in conjunction with ICOM America. In addition to four presentations on recent DXpeditions we will be making a major announcement of the new DX mentor award sponsored by ICOM and awarding a new ICOM radio to some lucky individual. Tickets for the drawing may be purchased at the forum.</p> <p>FT8WW - Crozet Island's one man operation by Thierry, F6CUK, being presented remotely by F6EXV T88WA - Palau by Jack N7JP and Robin WA7CPA CY0S - Sable Island - Seven years in the making by one of the team members. 3Y0J - Bouvet - by one of the team members</p>
12:00 PM to 1:20 PM	Room 3	<p>ARRL - Amateur Radio Emergency Service</p> <p>Moderator: Josh Johnston, KE5MHV, ARRL Director of Emergency Management</p> <p>The Amateur Radio Emergency Service® (ARES®) consists of licensed amateurs who have volunteered their qualifications and equipment, with their local ARES leadership, for communications duty in the public service when disaster strikes. Come learn about opportunities to volunteer and train, and to hear stories about best-practices, the importance of building mutually beneficial relationships with local emergency management services, and the importance of our partnerships with served agencies. Sponsored by ARRL The National Association for Amateur Radio®.</p>
12:00 PM to 1:30 PM	Room 4	<p>VHF/UHF/Microwave</p> <p>Moderator: Tony Emanuele, K8ZR</p> <p>Speakers: Rus Healy, K2UA: Jay Baack, N1AV: and Rus Healy, K2UA</p> <p>Presenters & presentation titles:</p> <p>Rus Healy, K2UA: Getting on the 76/78 GHz band. Jay Baack, N1AV: The path to the Fred Fish Memorial Award (FFMA) in 1,481 Days. FFMA is awarded to those amateurs who work the 488 Maidenhead grid squares in the 48 contiguous United States on 50 MHz. Rus Healy, K2UA: The Impacts of Analog-Only Categories in ARRL VHF Contests, and How We Got Here.</p>
12:10 PM to 1:00 PM	Room 2	<p>ARISS 2.0: The future vision for Amateur Radio on the International Space Station</p> <p>Moderator: Frank Bauer, KA3HDO</p> <p>In December 1983, Astronaut Owen Garriott, W5LFL, electrified the world via his ham communications from the Space Shuttle Columbia. Starting at Hamvention 2023, ARISS will spend a year celebrating 40 years of amateur radio on human spaceflight vehicles! Our new vision, ARISS 2.0, will expand ARISS youth education outcomes, ham-in space operations, flight hardware systems, and even our space platform (in addition to ISS, think commercial space stations and lunar operations). Learn what ARISS is doing to support ham radio operations on human spaceflight vehicles – now and over the next 40 years. Expect some surprise guests and new announcements.</p>
1:10 PM to 2:10 PM	Room 2	<p>AMSAT</p> <p>Moderator: Phil Smith, W1EME</p> <p>Speakers: Robert Bankston, KE4AL, AMSAT President; Jerry Buxton, N0JY, AMSAT Vice President for Engineering; Alan Johnston, KU2Y, AMSAT Vice President Education Relations; Drew Glasbrenner, KO4MA, Vice President Operations; Frank Karnauskas, N1UW, Vice President of AMSAT Development</p> <p>AMSAT Forum Hamvention 2022 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.</p>
1:30 PM to 2:30 PM	Room 3	<p>ARRL - Membership</p> <p>Moderator: Dale Williams, WA8EFK, ARRL Director — Great Lakes Division</p> <p>Speakers: Rick Roderick, K5UR, ARRL President; David Minster, NA2AA, ARRL CEO; John R. Sager, WJ7S, ARRL Treasurer; Bob Naumann, W5OV, ARRL Director of Operations</p> <p>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 "Year of the Volunteers." Learn more about 2023 ARRL Field Day, Logbook of The World, and the yearlong Volunteers On the Air (VOTA) operating event. The new ARRL Estate Planning Workbook will be introduced. The workbook will help you plan to share your commitment to amateur radio with future generations. ARRL will distribute a limited number of free copies of the workbook at Hamvention. Members and prospective members are all welcome!</p>
1:40 PM to 2:40 PM	Room 4	<p>QCWA Annual Members' Meeting</p> <p>Moderator: Ken Oelke, VE6AFO</p> <p>We are proudly celebrating our 75th Anniversary, and we want the membership to know how we plan to make the next 75 years a huge success for QCWA and the Members.</p>
2:00 PM to 3:50 PM	Room 1	<p>Contesting</p> <p>Moderator: Doug Grant, K1DG</p>

		<p>Speakers: Fabio Schettini, I4UFH; Claudio Veroli, I4VEQ; Gregg Marco, W6IZT/C6AZT; Tom Georgens, W2SC/8P5A; Krassy Petkov, K1LZ; and Jeff Briggs, K1ZM</p> <p>"WRTC2022/2023 Update" - Fabio Schettini, I4UFH and Claudio Veroli, I4VEQ "Contest DXpedition from a Rig-in-a-Box" - Gregg Marco, W6IZT/C6AZT "The New 8P5A Station" - Tom Georgens, W2SC/8P5A "The K1LZ Hybrid Multi-multi" - Krassy Petkov, K1LZ and Jeff Briggs, K1ZM</p>
2:20 PM to 2:50 PM	Room 2	<p>Connecting Worlds: Ham Radio in China and Global Enthusiasts Moderator: Jesse Chen, BD7LLY; The founder and CEO of Chelegance JNCRadio</p> <p>Join us for a forum on the state of amateur radio in China and its potential benefits to the global ham radio community. We will explore the challenges and opportunities of internationalizing Chinese amateur radio, the unique characteristics of Chinese amateur radio enthusiasts, and the innovative products and solutions offered by CHELEGANCE.</p>
2:40 PM to 3:50 PM	Room 3	<p>ARRL - Collegiate Amateur Radio Moderator: Andy Milluzzi, KK4LWR, Advisor, ARRL Collegiate Amateur Radio Initiative</p> <p>Speakers: Tony Milluzzi, KD8RTT, 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</p> <p>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. Hear from students, alumni, and faculty. The ARRL Collegiate Amateur Radio Program is sponsored in part by the W1YSM Snyder Family Collegiate & ARRL Affiliated Club Endowment Fund.</p>
2:50 PM to 3:50 PM	Room 4	<p>HamSCI: The Ham Radio Science Citizen Investigation Moderator: Nathan Frizzel, W23NAF</p> <p>The HamSCI Forum presents the latest experiments and results in amateur radio citizen science. This year's forum will include plans to study the impacts of 2023 and 2024 North American eclipses on the ionosphere and radio propagation, results of traveling ionospheric disturbance research, and progress on the HamSCI Personal Space Weather Station. Learn more at hamsci.org.</p>
3:00 PM to 4:00 PM	Room 2	<p>What's New in Ham Radio Deluxe Moderator: Michael Carper, WA9PIE</p> <p>Much has been changed and improved in Ham Radio Deluxe in recent years. Our popular HRD Alert is accelerating the pace of progress towards DXCC and other operating awards via FT8 with WSJT-X. There are several new features that are lined up for Dayton 2023. We would like to share these new things with our ham colleagues. Our presentation includes a live demo that we do with RemoteHamRadio.</p>
4:00 PM to 5:00 PM	Room 1	<p>The Fast Track to Understanding Ham Radio Propagation Moderator: Michael Burnette, AF7KB</p> <p>This lively, fast-paced presentation is a plain-language guide to understanding ionospheric propagation. Michael Burnette, AF7KB, is the author and narrator of the Fast Track series of ham license courses as well as supporting workbooks and other material, including the book, "The Fast Track to Understanding Ham Radio Propagation" which covers propagation from the ground up -- literally! Michael started playing with radios at an early age when he found the plans for a crystal radio set in a Superman comic book. Once Dad hauled him into town so they could park about a block away from a radio station, the radio worked! The fascination never wore off. After a career in commercial broadcasting and another in live adult education, Burnette (finally!) got his ham license in 2013 at the urging of a friend. His wife, Kerry, KC7YL, got her license shortly after that, using a "set of notes" Michael wrote, which became their first Fast Track license course. Lately, Michael's favorite operating mode has been FT8. He's also a regular user of 2-meter repeaters in the Puget Sound area.</p>
4:00 PM to 5:00 PM	Room 3	<p>ARRL - Youth Outreach Moderator: Steve Goodgame, K5ATA, ARRL Education and Learning Manager</p> <p>Join us in exploring ways to attract and engage today's students to ham radio: through technology; learning about how radios-work and building things; communicating through satellites and talking with astronauts; competing in contests and winning awards; developing skills, career networking, and making new friends. Who should attend this forum? Club representatives, teachers, young hams, and anyone who wants GROW amateur radio. Sponsored by ARRL The National Association for Amateur Radio® and contributors to the ARRL Education and Technology Fund.</p>
4:00 PM to 5:00 PM	Room 4	<p>Using AREDN Software to create an IP Ham Radio Network Moderator: Orv Beach, W6BI</p> <p>An overview of how AREDN software, installed on stock commercial wireless equipment from various vendors, can create a ham radio IP network. Examples of useful services that can be provided, such as voice and video chat, and data services such as Winlink will be discussed. A review of available hardware, both existing and recent additions, will be included. Orv will also present a sampling of AREDN networks throughout the United States.</p>
4:10 PM to 5:00 PM	Room 2	<p>Five Common Threads of Ham Radio Innovation Moderator: Dave Jensen, W7DGJ</p>

	<p>Dave Jensen W7DGJ (author of QRZ's popular new column Trials and Errors) will present on the topic of Ham Radio innovation, with a focus not only on the early innovation that led to the hobby (and its myriad of sub-hobbies) but also on today's innovators. Jensen has spent considerable time interviewing amateur radio innovators for his column, and there have been common experiences identified that these special people have identified in their work. Each of the five common threads for innovation will be reviewed and told in story form from the personal experiences related in Jensen's interviews. W7DGJ will show that it's the practical application of radio advances that sets the stage for growth of businesses in the ham radio hobby, and not simply new technologies on their own. Dave has spoken at universities around the world on the topic of innovation, from Japan's Okinawa Institute of Science and Technology to Harvard and the Nobel Hall at Karolinska Institute in Stockholm. His presentation will highlight how our technological industries advance through innovation.</p>
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