

## Sunday, May 19th, 2024

<b>TIME</b>	<b>ROOM</b>	<b>FORUM</b>
9:15 AM to 10:15 AM	Room 1	<p>The Fast Track to Getting Started in HF</p> <p>Moderator: Michael Burnette, AF7KB</p> <p>Usually the new ham who just upgraded from Technician to General is suddenly faced with a lot of choices. What transceiver? What feed line? What antenna? How do I operate HF? Michael outlines a sensible, economical philosophy and action plan for beginning to participate on the HF bands. He even includes solutions for those who are impeded by space considerations or... gulp... the dreaded HOA rules.</p>
9:15 AM to 11:00 AM	Room 2	<p>Lightning, Grounding and Radio Frequency Interference (RFI)</p> <p>Moderator: Jim Bacher, WB8VSU and Bruce Sparrow, N2KTV</p> <p>Jim Bacher, WB8VSU, will speak on outside lightning protection. Jim was licensed as a Novice in the mid 70's and currently holds an Extra Class License. In the early 70's he passed and held an FCC First Class RadioTelephone Operator License with Radar Endorsement. Retired as a Senior Engineer from Avery Dennison in 2015, where I was responsible for product Safety, EMC and transmitter certifications on a world wide bases.</p> <p>Ward Silver, NOAX, will speak on Inside lightning Protection and RF Management which deals with the effects of bonding and cable management on RFI. Ward has been licensed since 1972, is the Lead Editor of the ARRL Handbook and the ARRL Antenna Book, and is the author of all three ARRL License Manuals and study guides. He released the well-received "Grounding and Bonding for the Radio Amateur" in 2017 and recently authored the third edition of Ham Radio for Dummies. Ward is an electrical engineer and has received the Hamvention Technical Achievement Award.</p> <p>Bruce Sparrow, N2KTV will speak on how ferrite can be used to reduce common mode interference (a typical cause of manmade RFI). Bruce was first licensed in 1971 as a Novice and enjoys QRP CW to this day. Late in his sales career he achieved a lifelong dream by working for Fair-Rite Products in a product management position. Helping hams understand the many applications of ferrite in our hobby has been his passion over the last six years.</p>
9:15 AM to 9:50 AM	Room 3	<p>Tips for Successful Radio Clubs</p> <p>Presenter: Mike Walters, W8ZY, ARRL Field Services Manager</p> <p>ARRL Affiliated Clubs are the lifeblood of amateur radio at the local level. This forum will include a discussion of ideas and opportunities for radio clubs that are seeking growth and greater member participation. Topics will include recruitment, licensing, training, engagement, and leadership development. This forum is part of the 2024 ARRL National Convention track.</p>
9:15 AM to 10:05 AM	Room 4	<p>Zero Configuration Radio - Why are we still programming radios?</p> <p>Moderator: William Franzin, VE4VR</p> <p>Amateur radio has transitioned from an analog-only hobby to one that includes many digital modes, digital radios, and digital radio modes that are incompatible with each other and created a great deal of additional work to accomplish what was easy years ago. We'll dig into some of the work I've done related to "zero configuration radio" where radios ping other hams around them to discover the necessary settings for operation in that area. This is mainly a concept applicable to handheld and mobile radios operating on VHF frequencies and above, it allows the radios to skip the steps we're spending effort on today. No need for programming repeaters, tones, offsets - or spending time to create DMR codeplugs.</p>
10:00 AM to 10:50 AM	Room 3	<p>ARRL Contest Program Update</p> <p>Moderators: Bart Jahnke, W9JJ, ARRL Radiosport Manager; Paul Bourque, N1SFE, ARRL Contest Program Manager</p> <p>ARRL Contests drive activity to the airwaves, and encourage all hams to develop their stations and skills for optimum performance. This forum will include an update on what's new for ARRL Contests, including new contests and new categories of participation for HF and VHF/UHF/SHF contests. We'll wrap up with update on 2024 ARRL Field Day (more operating event than contest), which will be held June 22 – 23. Get a free 2024 Field Day sticker for attending this forum, while supplies last. This forum is part of the 2024 ARRL National Convention track.</p>
10:15 AM to 11:05 AM	Room 4	<p>Using your HT and netbook for radio messaging and e-mail</p> <p>Moderator: Sholto Fisher, K7TMG</p> <p>Sholto will explain how to configure and use the Winlink network and software for in-the-field email and messaging.</p>

10:30 AM to 11:30 AM	Room 1	<p>Power, Current, Voltage, and Resistance (PIER) Review Method of Circuit Analysis</p> <p>Moderator: Eric Nichols, KL7AJ</p> <p>The PIER Review method of circuit analysis. Eric will demonstrate that any electronic circuit can be analyzed by first writing down the Power, Current, Voltage, and Resistance (PIER) of every component. This method is quite original, and Eric will share how he has been teaching it to electronics students for years with success.</p>
11:00 AM to 12:00 PM	Room 3	<p>Beyond Repeaters: See How Far Your Tech License Will Take You</p> <p>Moderator: John McAuliffe, KD2ZWN, ARRL Lab Digital RF Engineer</p> <p>Explore the full scope of operating privileges and ham radio activities that can be done with a Technician Class license. We'll cover 3 parts: UHF use and potential projects/activities that can be enjoyed beyond 70 cm; 10-meter digital modes, satellite, and long-range communication; and HF CW privileges which will include a short guide on how to build your own CW encoder/decoder. This forum is part of the 2024 ARRL National Convention track.</p>
11:10 AM to 12:00 PM	Room 2	<p>The DX Marathon Program</p> <p>Moderator: Mark Wohlschlegel, WC3W</p> <p>The DX Marathon Program in 2023 experienced an unprecedented growth of +50% which followed a +46% growth in 2022 making this program the fastest growing DX program in ham radio today. The growth metrics represent increase in participation worldwide with 1/3 coming from North America and 2/3 from the rest of the world. The forum will explain in very simple terms what this program is all about, and why it makes sense to participate. Various awards including beautiful plaques and certificates are awarded each year to various categories including highest point total for entry classes, highest mode scores, highest band scores. Participation is free and the program complements the other DX'ing that you do during the year such as DXCC and contests. Mark will explain how the program is global, simple, and fun. He will also discuss the 2023 results.</p>
11:15 AM to 12:00 PM	Room 4	<p>DMR - How The Packets Get Your Voice From Here To There!</p> <p>Moderator: Matt Genelin, NOYNT</p> <p>Speaker: Jeff Hochberg, W4JEW</p> <p>Once you have programmed your code plug and your hotspot is connected to the Internet, or you're using a DMR repeater, your voice is transformed into packets that get carried on into the DMR network to which you are connected when you key up your radio. Those packets are sent through myriad paths within or across multiple DMR networks. Join us as we discuss the complex web of interconnecting DMR networks.</p>