

Friday, May 19th, 2023

TIME	ROOM	FORUM
9:15 AM to 10:35 AM	Room 1	<b>TAPR - Topics in Digital Radio</b> Moderator: Scotty Cowling, WA2DFI Speakers: John Ackermann, N8UR; Dylan Romero, KN6IVW; and Michael Ossmann, AE3H Scotty Cowling, WA2DFI, TAPR President, will give a TAPR Activities Update. John Ackermann, N8UR, will give an update on new TAPR projects, including CKM, timenuts carrier and UGLI. Dylan Romero, KN6IVW is active in the TangerineSDR project. Dylan will discuss designing a 3-D printable case for your new SDR. Michael Ossmann, AE3H, will describe the new SDR-based Universal Radio Test Instrument currently in development.
9:15 AM to 10:15 AM	Room 2	<b>Linux and Ham Radio Software</b> Moderator: Andy Stewart, KB1OIQ Andy Stewart (KB1OIQ) has created a software collection for ham radio operators called "Andy's Ham Radio Linux". It is based on Ubuntu Linux, with a lot of additional software for ham radio use. In this talk, Andy will discuss at a high level the different programs which are available in this software collection. Andy has been distributing this software on Sourceforge since 2011, with over 100,000 downloads to date.
9:15 AM to 10:20 AM	Room 3	<b>ARRL Lab: Behind the Scenes</b> Moderator: George Spatta, W1GKS, ARRL Lab Manager Speakers: Steve Anderson, W1EMI, ARRL RFI Engineer ARRL members who are familiar with QST Product Review have seen some of the work done by the ARRL Lab in those test results. But the Lab staff does a lot more than testing radios! The Lab operates a Technical Information Service, helping members one-on-one to solve a variety of problems. The Lab conducts tests to identify noisy devices and report them to the FCC. The Lab supports members with their own interference issues. The Lab is a watchdog against spectrum encroachment from consumer devices, and provides technical advocacy through its work with industry and regulators. Hear about a new program, the ARRL Clean Signal Initiative (CSI), which commits to improving transmitter performance and cleaning-up signal quality. Come learn all about the work the ARRL Lab does to support members and the entire Amateur Radio Service. This forum will also talk about career and volunteer opportunities in the Lab if you'd like to be part of the action. Hear stories about the Lab that you won't read about in the pages of QST!
9:15 AM to 10:15 AM	Room 4	<b>The Importance of Amateur Radio Clubs</b> Moderator: Tom Sly, WB8LCD Speaker: Michael Kalter, W8CI Clubs play an important role in the success of a new ham being brought into the hobby as a successful and engaged Amateur Radio Operator. They can also be the springboard that brings an inactive ham back into the hobby, or even helps an active ham find new ways to participate and Have Fun with Amateur Radio. This is crucial to the continued success of Amateur Radio as the Greatest Hobby in the World! This presentation will be focused on both the membership as well as the leadership of a local Amateur Radio Club. Our goal is to help you create a club that members will want to belong to and participate in because of the value the club brings to the individual ham and his participation in the hobby. Presenters Michael Kalter - W8CI and Tom Sly - WB8LCD are both long-time hams with experience in successful clubs.
10:25 AM to 11:25 AM	Room 2	<b>Elecraft K4D Users Group</b> Moderator: Scott Wright, K0MD Speakers: Robert Wilson, N6TV We are pleased to offer a Users Group for the Elecraft K4D for discussion. Robert Wilson, N6TV will present a series of tips and tricks for new and advanced users. He will be joined by others to share best practices and offer updates on maximizing the performance of this rig across Dxing, Contesting, General hobby use for CW, SSB and digital modes.
10:25 AM to 11:25 AM	Room 4	<b>Instructor's Forum</b> Moderator: Carole Perry, WB2MGP Speakers: Neil Rapp, WB9VPG The Instructors' Forum will have a presentation by Neil Rapp, WB9VPG who will speak about getting young hams involved with YOTA. Carole Perry, WB2MGP will speak about FREE resources for instructors through the RCA Youth Activities program she chairs. We will have useful sharing of ideas for teachers and instructors.
10:30 AM to 11:35 AM	Room 3	<b>Digital Contesting</b> Moderator: Ed Muns, W0YK Speakers: Peter Driessen, VE7AB and Rich Newbould, K3RWN Current topics in digital contesting, primarily using the RTTY and FT modes. Three presentations are planned: 1. "Increasing Rate in FT Contests", Peter Driessen, VE7AB 2. "Can a Little Pistol be Competitive", Rich Newbould, K3RWN 3. "Why You Should Care about Your LCR (Log Check Report)". Ed Muns, W0YK
10:45 AM to 11:50 AM	Room 2	<b>Parks on the Air</b> Moderator: Matt Heere, N3NWV

		<p>The Parks on the Air program has continued to grow exponentially in the past year. Matt (N3NWV) will provide an introduction to POTA for those who may be interesting in joining the fun, as well as the highlights from the previous exciting year of POTA. Topics will include: 1) The origins of POTA 2) What purpose POTA serves 3) POTA 101 and where to go to get started 4) An insider's tour of the POTA stats. How much has it grown really? 5) Details for the all-new POTA Plaque Event for 2023 6) Open Q&amp;A</p>
11:35 AM to 1:00 PM	Room 2	<p><b>Amateur Radio Newsline Town Hall</b>  Moderator: Paul Braun, WD9GCO  Speakers: Neil Rapp, WB9VPG and Riley Hollingsworth, K4ZDH  Current topics of interest to all amateurs, presented by experts in the fields. We will also have a Q&amp;A about Amateur Radio Newsline and our history.</p>
11:35 AM to 12:50 PM	Room 4	<p><b>Kit Building Techniques for Success</b>  Moderator: Joe Eisenberg, K0NEB  A look at the methods used to have the greatest chance of success for both first time and experienced kit builders. Affordable tools will be featured as well as a variety of kits aimed at all skill levels. The correct type of soldering tools and solder will be discussed as well as methods of desoldering.</p>
11:45 AM to 1:05 PM	Room 3	<p><b>Amateur Radio High Altitude Balloons</b>  Moderator: Bill Brown, WB8ELK  Speakers: Ken Daniel, K9YO; Todd McKinney, KN4TPG; Hans Summers, G0UPL and Dave Beverstein, VE3KCL</p> <p>Four presentations will be given, including: "Introduction to long duration amateur radio balloon flights", "Build your own Arduino-based WSPR Pico balloon tracker", "Launching Amateur Radio Pico balloons from Antarctica", and "The QRP-Labs U4B Pico Balloon tracker". A Pico Balloon launch will occur shortly after the Forum (weather permitting).</p>
12:00 PM to 1:50 PM	Room 1	<p><b>Innovation in Ham Radio</b>  Moderator: Chip Cohen, W1YW  Speakers: Howard Rosen, VE2AED; Nathaniel Frissell, W2NAF; Jim Breakall, WA3FET; Stephen Floyd, W4YHD; Marty Sullaway, NN1C; Ted Rappaport, N9NB; Jeremy Hong, KD8TUO; Jack Nilsson, N8NDL and Isaac Bentley, NB6F</p> <p>The INNOVATION FORUM is an introduction and showcase of amateur radio's "enhancement of the radio art". Our speakers are examples of those who have made major inroads in invention, radio science, engineering, or technical entrepreneurship, in ham radio and in related fields –enabled by skills and knowledge first acquired and nurtured as radio amateurs. What were/are their paths like? What help did they get through ham radio? What roadblocks did they encounter and how did they overcome them? Their stories are fascinating and inspiring and just a few examples of the value that amateur radio brings to wireless, telecom, and progress in the human condition. Join us!</p>
1:00 PM to 2:00 PM	Room 4	<p><b>Remote HF Station Ideas and Building Blocks</b>  Moderator: Michael Walker, VA3MW  In this forum, we will go over the building blocks of setting up a remote HF radio station. We will touch on the technologies available to keep you remote station up and running, how to control antennas, rotators, radios and more. How much internet bandwidth you may require as well as trying to leave some time for questions. This forum is for someone who is just starting through the motions to building a remote HF station or for others who may be looking for new ideas.</p>
1:10 PM to 2:30 PM	Room 2	<p><b>A Partnership To Save Lives</b>  Moderator: Brandon Peloquin, Warning Coordination Meteorologist, National Weather Service Wilmington, OH and Kristen Cassady, Senior Forecaster, National Weather Service Wilmington, OH.  NOAA's National Weather Service (NWS) is working to build a Weather-Ready Nation. A Weather-Ready Nation is one that is more resilient and better prepared to respond to extreme weather and water events. The NWS depends on partnerships to help build a Weather-Ready Nation and to help achieve the overarching mission to protect lives and property. One of these important partnerships is with amateur radio groups. This presentation will describe this partnership and how it helps to save lives during severe weather events.</p>
1:15 PM to 2:25 PM	Room 3	<p><b>ARRL - Protecting Amateur Radio</b>  Moderator: John Robert Stratton, N5AUS, Chair of the ARRL Legislative Advocacy Committee  ARRL has a proud history of advocating for the rights of radio amateurs. This session will include an update on ARRL's legislative activity, and efforts to eliminate pervasive private land use restrictions that prohibit the operation of amateur radio and the installation of amateur station antennas.</p>
2:00 PM to 5:00 PM	Room 1	<p><b>Antenna Forum</b>  Moderator: Tim Duffy, K3LR  Speakers: Frank Donovan, W3LPL, Dr. Jim Breakall, WA3FET, Dr. Nathaniel Frissell, W2NAF, Anthony Luscre, K8ZT</p> <p>"Six Meter Long Distance Propagation During the Next Four Years of Solar Maximum" by Frank Donovan, W3LPL  "Some Practical and Useful Antenna Innovations for Amateur Radio" by Dr. Jim Breakall, WA3FET  "hamSCI Festivals of Eclipse Ionospheric Science" by Dr. Nathaniel Frissell, W2NAF  "The Ten Worst Antennas and How You Can do Better" by Anthony Luscre, K8ZT</p>
2:10 PM to 3:30 PM	Room 4	<p><b>Women! Ham Radio! Innovation!</b>  Moderator: Anne Manna, WB1ARU</p>

		Young Ladies Radio League is pleased to present a forum for all women interested in ham radio, whether licensed or not. The format will include time for interaction and networking with other YLs, as well as short presentations reflecting the contributions and innovations of YLs in ham radio.
2:35 PM to 3:45 PM	Room 3	<b>ARRL - Amateur Radio and the Law</b> Moderator: Fred Hopengarten, Esq., K1VR, member of the ARRL Amateur Radio Legal Defense & Assistance Committee This session will address (1) liability insurance issues for your club and members involved in public service activities, (2) how to read local zoning ordinances dealing with Wireless Communications Facilities, and (3) the ARRL's bill in Congress to help hams living in homeowner association properties.
2:40 PM to 3:45 PM	Room 2	<b>ARDC Update - Funding Amateur Radio and Managing 44Net</b> Moderator: John Hays, K7VE Speakers: Rosy Schechter, KJ7RYV, Jon Kemper, KA6NVY Amateur Radio Digital Communications is a 501(c)3 non-profit private foundation with an international reach based in California. ARDC owns a pool of 12 million Internet addresses which are made available for a variety of non-profit amateur radio activities such as data communications over RF, repeater linking, websites, remote control of amateur radio stations, and citizen science. The presentation will describe recent work done to report, improve, manage, and extend the application of this valuable address space. ARDC also has an endowment which funds approximately \$5-6 million per year in grants for the support of amateur radio, research and development, and education including \$1-1.5 million in scholarships through such programs as the ARRL, Society of Women Engineers, OMIK, and others. This forum will inform on how to apply for grants, as well as document some examples of grants already funded. Meet and learn from ARDC's Executive Director, Rosy Schechter (KJ7RYV) as well as staff leads: John Hays (K7VE) for grants, and Jon Kemper (KA6NVY) for 44Net.
3:40 PM to 5:00 PM	Room 4	<b>Mastering SOTA: Tips and Tricks for Peak Performance</b> Moderator: Keith Schlottman, KR7RK Speakers: Charlie Brown, NJ7V & Brian Betz, W7JET Are you ready to take your Summits on the Air (SOTA) experience to the next level? Join us at "Mastering SOTA: Tips, Tricks, and Techniques for Peak Performance" where we will explore the latest techniques and innovations to help you get the most out of your SOTA adventures. Whether you're a seasoned SOTA veteran or just getting started, this forum will provide you with valuable insights and practical advice that will help you take your SOTA adventures to new heights. Don't miss out on this opportunity to learn from experienced activators and connect with fellow SOTA enthusiasts.
3:55 PM to 5:00 PM	Room 2	<b>System Fusion</b> Moderator: Mark Thompson, WB9QZB Speakers: John Kruk, N9UPC, Sales Manager, Amateur Radio Sales Division, Yaesu USA The System Fusion™ Forum will include a presentation & discussion about Yaesu's System Fusion™ Voice & Data technology designed exclusively for Amateur Radio. The forum will review updates to Yaesu's System Fusion™ technology including 2m / 70cm Analog FM / C4FM Digital Voice Repeaters & Mobile / Portable radios and WiRES-X™ (Wide-coverage Internet Repeater Enhancement System) & IMRS™ (Internet-linked Multi-site Repeater System) VoIP communications linking systems. Everyone who is using or interested in System Fusion is encouraged to attend and participate to share their experiences & ask your questions about System Fusion.
3:55 PM to 5:00 PM	Room 3	<b>Software Defined Radio</b> Moderator: Stephan 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. Moderated by Steve Hicks, N5AC, CTO, FlexRadio Systems.