

2017 Hamvention Forums

Fri May 19, 2017

9:15am - 10:15am Remote Operating - Mark Aker K6UFO

Where: Room 3

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Remote Access to your Amateur Radio Station Moderator: Mark Aker K6UFO, Owner and operator of a remote station. Speaker: Stu Phillips K6TU, Developer of K6TU.net Propagation service, high-tech entrepreneur and remote operator. How to implement remote access to your radio station to allow operating while away from home. We'll review a variety of current successful solutions in hardware and software. We'll look at solutions for radio control, antenna switching, AC power, amplifiers and more. Remote access is a great project for a club or special event station. We'll help you avoid common problems and advance your remote operation.

9:15am - 10:15am SHARES HF EMCMM - Ross Merlin

Where: Room 2

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

SHARES (SHARED RESOURCES) is a Federal government HF radio program for backup communications and interoperability among Federal agencies and Federally-affiliated entities that have a need to send or receive national security or emergency preparedness communications such as state agencies, county emergency management agencies, and critical infrastructure / key resources providers (telecommunications, energy, healthcare, transportation etc.). This session will include both an introduction to SHARES for potential users and an open forum for audience members to discuss program issues with the SHARES Program Office staff. Bio: Ross Merlin, WA2WDT, is the SHARES Program Manager. He holds an Amateur Extra Class license and the General Radiotelephone Operator's License. His on-the-air interests include emergency communications, contesting, and digital modes. He is the author of the National Interoperability Field Operations Guide (NIFOG), which is widely used by public safety and emergency communications professionals across the country.

9:15am - 10:30am TAPR - Scott Cowling WA2DFI

Where: Room 1

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Introduction by Steve Bible, N7HPR, TAPR President Write for QST/QEX by Kai Siwiak KE4PT, QEX Editor "Low Cost, Open Source Spectrum Monitoring" by Michael Ossmann, AD0NR and Dominic Spill "Advanced SDR Algorithms for Noise Blanking and Noise Reduction" by Warren Pratt, NR0V "Introduction to RTL-SDR: Ultra cheap software defined radio" by Carl Laufer

9:15am - 10:15am Teaching One Day Tech Classes - Dan Romanchik KB6NU

Where: Room 4

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

In this talk, I will cover the following: • Why teach a one-day class instead of a more traditional, multi-session class? • Where can you hold the class? • How can you publicize the class, i.e. put butts in seats? • Should you charge for the class or offer it for free? • What is a good text to use for the class? • What are some good teaching techniques? • What are some ways to follow up with students? BIO: Dan Romanchik, KB6NU, is the author of the "No Nonsense" series of amateur radio license study guides and teaches one-day Tech classes in Ann Arbor, MI. He is also the author of a popular amateur radio blog (KB6NU.Com). His goal in life is to help people have fun with amateur radio.

10:30am - 11:30am Ham Radio Makers and Hackers - KX9X

Where: Room 4

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Ham Radio Makers and Hackers forum - Sean Kutzko KX9X The ham radio community has always been a part of the DIY (do it yourself) movement. This group of panelists will share experiences about how ham radio is finding kinship with the new generation of creators, makers, hackers and innovators. Learn more about ham radio at Maker Faires®, Hackerspaces, and among Arduino users. The panelists will include ARRL author Glen Popiel, KW5GP (High Speed Multimedia for Amateur Radio and Arduino for Ham Radio), ARRL Education & Technology Program Instructor Tommy Gober, N5DUX, and others. This forum is sponsored by ARRL, the national association for Amateur Radio®.

10:30am - 11:30am Instructor's Forum - Carole Perry WB2MGP

Where: Room 3

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

This is a forum for teachers and instructors to share teaching techniques and new ideas for the classroom or for a radio youth group. There will be excellent networking opportunities along with great prizes and cameo appearances for our 30th Instructors' Forum anniversary. Speakers: Joe Spier K6WAO "AMSAT Education Outreach" Information about ARISS contacts and much more. Dr Tamitha Skov "Space Weather Woman: Solar Storms and Ham Radio"

2017 Hamvention Forums

10:30am - 11:30am MARS - Paul English

Where: Room 2

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Military Auxiliary Radio System (MARS) is a Department of Defense (DOD) sponsored program implemented by the Army and the Air Force which trains FCC licensed amateur radio operators to provide contingency High Frequency (HF) communications support for DOD. MARS volunteers are trained on unique military messaging formats and use Military Standard digital protocols as well as digital encryption on DOD assigned HF frequencies. This forum will feature presentations from both the Army and Air Force MARS program leaders and may include other technical presentations relevant to this unique DOD support mission. This forum is open to all MARS members as well as amateur radio operators who are interested in supporting the MARS mission. Presentations will be given by Paul English WD8DBY, Army MARS Program Manager, and Dave Stapchuk KD9DXM, Chief Air Force MARS.

10:45am - 11:45am APRS - Bob Bruninga WB4APR

Where: Room 1

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

APRS continues to expand into more areas. Bob Bruninga, WB4APR will give an update on the state of APRS and the opportunities for APRS via the several Amateur Satellites now including worldwide coverage via three geostationary birds receivable with a SDR dongle and Raspberry pi kit. Don Arnold, W6GPS will talk about the new Kenwood TH-D74 combined APRS and Dstar radio and Bryan Hoyer will talk about the APRS digipeater to be installed for the Boy Scout Jamboree. Jason Rausch, KE4NYV will update on his APRS projects and as time permits, other APRS topics from the floor are welcome.

11:45am - 1:15pm Balloon Sat - Bill Brown WB8ELK

Where: Room 2

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Send a balloon around the World - Bill Brown WB8ELK National Solar Eclipse Project, Ham Radio in the shadow of the Moon - Jack Crabtree W7JLC Ballooning has it's ups and downs - Fritz Bock WD9FMB National Scout Jamboree balloons - Keith Kaiser WA0TJT

11:45am - 12:45pm Collins Radio - David Knepper W3ST

Where: Room 3

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

COLLINS RADIO FORUM - Saturday, May 20, 2017, 11:30 - 12:30 pm "Continuing the legacy of preserving Collins amateur radio equipment for tomorrow's ham." Come join us in learning the critical elements of purchasing, repairing, and maintaining Collins radios for decades to come. Moderator and speaker: David Knepper, W3ST, founder of the Collins Radio Association

11:45am - 12:45pm Kit Building - Joe Elsenberg K0NEB

Where: Room 4

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Come learn hints and tips to help you become a successful kit builder and hear about how some popular kits were created. Topic: Kit Building tips for success Speakers: Wayne Burdick, N6KR Co-Founder, Elecraft David Cripe, NM0S - Designer, Four State QRP Group Kits Bill Sloan, NZ9S - DZKit Sienna and Sienna XL

12pm - 1pm D-Star - Robin Cutshaw AA4RC

Where: Room 1

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

New location. New room. New radio. New devices. New software. Join Robin Cutshaw (AA4RC), John Hayes (K7VE), and more for updates on D-STAR.

1pm - 2pm Antennas - The Last Frontier v2.0

Where: Room 3

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Antennas - The Last Frontier v2.0 - Frank Beafore WS8B One area of amateur radio experimentation that remains a frontier yet today, is antenna design. This Forum will be the second version of a Forum presented at Hamvention in 2010. The subject matter will focus on antenna history, basic antenna fundamentals, testing methods and equipment available today and a short discussion on building your own antennas.

2017 Hamvention Forums

1pm - 2:15pm Techniques of Best Operators - Mitch Stern W1SJ

Where: Room 4

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Mitch Stern W1SJ Tony Pazzola W2BEJ Why is working new stations such a struggle? Why does everyone else work the juicy DX but I can't? Why is it every time I get into a QSO, it ends up getting swallowed up in a blast of QRM? Now that you've bought up all that great stuff at Hamvention, how do you set it all up? And then, what do you do after you turn it on? How do you go about easily making contacts with others? Our forum today will certainly help. A good station certainly helps, but knowing WHAT to do and what NOT to do when you get on the air is even more important. We'll start off with some of the basics of good operating, learn how to build a great station for those portable operations, dabble with DX and finally learn how to use contests to become better operators. You won't be same operator by the end the day and will be a force to be reckoned with on the bands! You will be treated to on-the-air war stories, equipment ideas and super suggestions Don't miss it!

1:15pm - 2:15pm Homeland Security - John Peterson

Where: Room 1

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Homeland Security Forum 1. John Peterson, OECs team lead for the development of the AUXCOMM course and the AUXCOMM Field Operations Guide 2. Information on OEC's Interoperable Communications Technical Assistance Program 3. How amateurs are incorporated into the National Emergency Communications Plan (NECP) 4. Information on how you can become qualified to teach the OEC AUXCOMM course for your state. 5. The latest changes expected for Communications Unit (COMU) training, which includes Communications Leader (COML), Communications Technician (COMT), Instructor courses for COML/COMT, AUXCOMM, Incident Communications Manager, Incident Tactical Dispatcher and the RADO courses.

1:30pm - 2:30pm National Weather Service - Brandon Peloquin

Where: Room 2

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

National Weather Service Forum Working With Amateur Radio ... To Save Lives During Severe Weather NOAA's Weather-Ready Nation initiative is about building community resilience in the face of increasing vulnerability to extreme weather and water events. To achieve this, the National Weather Service (NWS) strives to develop and strengthen partnerships with those who contribute to this initiative. This presentation will describe the partnership between Amateur Radio operators and the NWS and how they work together to help communities be better prepared for severe weather.

2:15pm - 3:15pm Foxhunt / ARDF - Dick Arnet WB4SUV

Where: Room 3

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Foxhunting (Transmitter Hunting) & Amateur Radio Transmitter Hunting (ARDF) Moderator: Dick Arnett, WB4SUV, Speakers Bob Frey, WA6EZV and Brian DeYoung, K4BRI Topics include demonstration and discussions on a variety of equipment used for VHF Mobile, on foot and ARDF style transmitter hunts. On Saturday we will be having an on foot foxhunt with multiple transmitters in a local park.

2:30pm - 5pm Antenna Forum - Tim Duffy K3LR

Where: Room 1

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Antenna Forum "Enhanced Stacked Yagi Arrays with Parasitic Elements and BOLPA Log Periodic Development" Justin Johnson, G0KSC "Space Weather and Amateur Radio: Science, Forecasting and Effects" Dr. Tamitha Skov "Using High Performance Multiplexer Technology to Improve Your HF Station Capability" Andrei Fedorishev, RA6LBS "Building and Installing the 3 Element 80 Meter Yagi at W0AIH" Paul Bittner, W0AIH

2:30pm - 3:30pm YLRL - Anne Manna WB1ARU

Where: Room 4

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

YLRL forum Young Ladies' Radio League is sponsoring this Forum for all YLs, licensed or not. Every woman ham is a "Young Lady" no matter what her age. There will be a fascinating presentation on YL history by Kay Eyman, WA0WOF. Other topics will include: what YLs are doing and have done in our shared hobby, reports on new nets and awards, and ways to join in the fun. Bring your questions to the YL Forum and find out more about women in Amateur Radio and hear from Young Ladies of all ages! OMs are also welcome to earn awards and are appreciated for their support. Moderator: Bobbie Donahue.

2017 Hamvention Forums

2:45pm - 3:45pm Ham Radio and the Law - Fred K1VR

Where: Room 2

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Ham Radio and the Law - Fred Hopengarten K1VR A discussion by Amateur Radio attorneys on legal issues of interest to hams: avoiding restrictive covenants, presenting your case for a tower permit, and information on recent court rulings on PRB-1. Updates on proposed legislation to protect hams living under homeowner association restrictions. Sponsored by ARRL, the national association for Amateur Radio. Speakers include Bob Famiglio, Esq., K3RF, ARRL Volunteer Counsel and Vice Director, and others.

3:45pm - 5pm Digital Mobile Radio - John Berningham W2XAB

Where: Room 4

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Digital Mobile Radio (DMR) 2017 By John Burningham, W2XAB The popularity of amateur DMR networks and ham innovation has brought new hot spot technology and the growth of the networks including DMR-MARC, DMRX, Brandmeister, DMR Plus, and regional networks. Learn about the broad overview of what is going on with DMR for both the new and experienced user.

3:45pm - 5pm Software Defined Radio - Stephan Hicks

Where: Room 3

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Multiple speakers will discuss new advances in the world of Software Defined Radio and will form a panel at the end to discuss questions from the audience. Moderated by Steve Hicks, N5AC, VP Engineering FlexRadio Systems.

4pm - 5pm County Hunting - Tim Eklin W8JJ

Where: Room 2

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

County Hunting forum Dr. Timothy Eklin, W8JJ - Forum Moderator Tim, W8JJ holds USA-CA #1203 and will serve as moderator for this forum and provide a basic overview of county hunting for attendees. Tim is currently the Great Lakes District Director for the Mobile Amateur Radio Awards Club (MARAC). Timothy Eklin, W8JJ - Speaker # 1 Tim, W8JJ holds USA-CA #1203 and will discuss thirteen rule changes that took effect in February 2017 in order to provide further incentives for both mobile and portable stations to activate counties. Tim will present a summary of the impact these recent changes will have on various awards offered by MARAC. Robert Gedemer, KA9JAC - Speaker #2 Bob, KA9JAC holds USA-CA #1079 and will discuss operating for the dual purpose of activating and working counties while participating in Parks on the Air (POTA) events. Bob is an avid county hunter and he has worked all 3,077 U.S. counties three times. He also activated many counties while operating as a mobile station.

Sat May 20, 2017

9:15am - 12pm 2017 Youth Forum - Carole Perry WB2MGP

Where: Room 2

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

2017 Youth Forum Come join the fun and experience the pride by attending our 30th Hamvention Youth Forum. Bring kids with you to inspire them to join the fun of being a youngster in ham radio. This is where young people will get to meet with other youngsters. Stay tuned for special announcements about fabulous opportunities for young adults in ham radio and at Hamvention. There will be lots of prizes for the speakers, the kids in the audience, and the supportive adults in the audience. You must be present to win! Come and show your support for our talented young hams! Lucas Schroeder W6LDS age 15 "The SharkRF OpenSPOT" Carissa Ferguson KJ4EZA age 17 "Robotics and Ham Radio" Dakota Krzysik KE8CVK age 17 "Lowell High School Youth Amateur Radio Club Through the Years!" Grace Lea KM4TXT age 9 "Solar Power Mania" Jerome Dinakar KE0BBQ age 16 "Tribute to Ellie Van Winkle" Evan Markowitz KD2IZW age 18 "Balloon Based Repeater for Emergency Applications" Ruth Willet KM4LAO age 18 "Plugging into Your Valuable Club Resources" Chris Brault KD8YVJ age 14 "Getting Started with SDR" Dhruv Rebba KC9ZJX age 13 "Community Services with Ham Radio Communications"

9:15am - 10:15am Drake Equipment - Mark Gilger WB0IQK

Where: Room 1

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Drake Equipment forum Presenter: Ron Baker - WB4HFN Presenter: Jeff Covelli - WA8SAJ Presenter: Evan Rolek - K9SQG AGENDA: - User Survey - Mark Gilger - WB0IQK - Back to Basic Trouble Shooting - Ron Baker, WB4HFN & Mark Gilger, WB0IQK - Common & Easy Fixes For the Drake 4&7 Line Radios - Ron Baker, WB4HFN - Question & Answer Session - Jeff Covelli, WA8SAJ, Ron Baker, WB4HFN & Evan Rolek, K9SQG

2017 Hamvention Forums

9:15am - 10:30am HamSCI - Ward Silver N0AX

Where: Room 4

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

HamSCI forum A group of panelists will share information about professional research programs supported by radio amateurs. This forum is sponsored by ARRL, the national association for Amateur Radio®. Program: 1. "What is HamSCI?" Nathaniel Frissell, W2NAF2. "Introduction to Space Weather and Radio Propagation" by Carl Luetzelschwab, K9LA 3. "Upper Level Lows and Six Meter 50 Mhz SporadicE" Joe Dzekevich, K1YOW, presented by Phil Erickson, W1PJE 4. "Ionospheric Impacts of the 2017 Total Solar Eclipse" Magda Moses, KM4EGE 5. "VLF/LF and the 2017 Total Solar Eclipse" Bill Liles, NQ6Z 6. "The Solar Eclipse QSO Party: Ionospheric Sounding Using Ham Radio QSOs" Nathaniel Frissell, W2NAF

9:15am - 10:15am Satern - Bill Feist WB8BZH

Where: Room 3

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Satern forum SATERN In The 21st Century: The National SATERN Committee will discuss the new Strategic Plan for SATERN approved by The Salvation Army in 2016. This will include a discussion of the goals SATERN is setting for itself over the next several years and the results of the SWOT (Strengths, Weaknesses, Opportunities, Threats) Analysis upon which those goals are based.

10:30am - 11:30am Ham Nation - Bob Heil K9EID

Where: Room 1

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Ham Nation forum The hosts and many of the volunteers will be in attendance in a Town Hall type event. Ham Nation will celebrate the 300th show and the 5th year on Leo Laporte's TWIT network. The audience has grown to tens of thousands each Wednesday night and one of the top five shows on the network. Led by Bob Heil he will be joined by Gordon West, George Thomas, Don Wilbanks, Valerie Hotzfeld and Dale Puckett. Many of the net controls operators and our show notes custodian, Dan Vanevenhoven will be in attendance. The forum will open with the Ham Nation theme song written and performed by Joe Walsh, WB6ACU.

10:30am - 11:30am RTTY Contesting - Ed Muns W0YK

Where: Room 3

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

RTTY Contesting forum Advantages of SDR in RTTY Contesting, Stu Philips K6TU - Station simplification (eliminating CAT, sound card cables, etc.) - Built-in SO2R support - S&P considerations when using a waterfall - SDR performance advantages - Using RTTY Skimmer with SDR I/Q General Q&A on RTTY Contesting, Dennis Egan W1UE Mark Aaker K6UFO Hank Garretson W6SX Stu Philips K6TU

10:45am - 12:15pm AMSAT - Mark Hammond N8MH

Where: Room 4

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

AMSAT forum "AMSAT Status Report" Barry Baines, WD4ASW, AMSAT-NAPresident, 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-NA Vice President Engineering, will talk about the exciting new engineering developments that the ASCENT Program is working on as well as the latest updates on the Fox-1 project CubeSats. "AMSAT Satellite Operations" Drew Glasbrenner, KO4MA, AMSAT-NA Vice President Operations, will survey the current operational amateur satellites, as well as those planned for launch in the next year. "NxtGen Crystal Radio" Joe Spier, K6WAO, AMSAT-NA Vice President Educational Relations, will discuss the development of the NxtGen Crystal Radio, an educational ground station for classrooms to be used to teach Science, Technology, Engineering, and Math (STEM). "ARISS Report 2017" Frank Bauer, KA3HDO, AMSAT-NA Vice President for Human Spaceflight, will discuss the 20th Anniversary of ARISS, ARISS engineering developments & operation on the International Space Station.

11:45am - 12:45pm ARRL Member Forum - Dale Williams WA8EFK

Where: Room 1

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

ARRL Member forum ARRL is the national association for Amateur Radio in the US. ARRL members help advance the art, science, and enjoyment of Amateur Radio. ARRL publishes the popular monthly journal QST, coordinates an extensive all-volunteer field organization, and serves members as Amateur Radio's representative voice in regulatory and legislative matters. Hear from local and national ARRL officials on key areas of membership interest. Find out how ARRL supports dozens of ways to get involved, get active, and get on the air. Members and prospective members are all welcome

2017 Hamvention Forums

11:45am - 12:45pm QCWA - Ken Oelke VE6AFO

Where: Room 3

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

QCWA forum Speakers: Larry McCalvy, WA9JMO - Vice President Carole Perry, WB2MGP - Chair, Youth Activities Committee Our theme "Looking Back to See Ahead" OUR VISION Celebrating Amateur Radio operators achieving 25 years in Amateur Radio and developing resources to assist young Amateur Radio operators in furthering their education through the QCWA Scholarship Program. Plan to attend this exciting forum to learn more about QCWA, learn how QCWA began 70 years ago, and participate in a lively "Question & Answer" session. This being QCWA's 70th anniversary, we are celebrating with a QCWA 70th Anniversary Charity Cruise leaving on October 18, 2017. Here you can learn more about the cruise. This is your forum, so be prepared to become engaged in QCWA's future!

12:15pm - 1:15pm Fast Scan ATV - Art Townslee WA8RMC

Where: Room 2

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Fast Scan ATV forum The schedule is as follows: Time Presenter Call Topics 12:15 -12:20 Art Townslee WA8RMC Welcome statement and general comments. 12:20 -12:30 Gordon West WB6NOA Lively greeting then focus on MAGAZINES FOR SPREADING THE ATV ACTIVITIES. I will also offer to be the conduit for CQ Magazine and 6 minute features from our members on HAM NATION . 12:30 -12:50 Mike Collis WA6SVT Introduction to ATV. The "Basics of analog and digital ATV" will be covered. What you can do with ATV and how to get your own ATV station on the air. 12:50 - 1:10 Art Townslee WA8RMC DATV DVB-S encoding and how it may be better than DVB-T. 1:10 - 1:15 Art Townslee WA8RMC Wrap up and questions.

12:30pm - 1:30pm ARRL Collegiate Amateur Radio Initiative - KK4LWR

Where: Room 4

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

ARRL Collegiate Amateur Radio Initiative - Andy Milluzzi KK4LWR A growing number of campus radio clubs and student radio amateurs have begun to share ideas and suggestions on the ARRL Collegiate Amateur Radio Initiative (CARI) Facebook page, www.facebook.com/groups/ARRLCARI. They'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 Initiative is sponsored in part by the W1YSM Snyder Family Collegiate Amateur Radio Endowment.

12:45pm - 2:30pm Contesting - Doug Grant K1DG

Where: Room 1

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Contesting forum "WRTC2018 Planning Update" - Christian Janssen, DL1MGB "The New CQWW Contest Directorate" - Doug Zwiebel, KR2Q; Bob Naumann, W5OV; Scott Robbins, W4PA "Single-op Contesting in the 21st Century" - Tom Georgens, W2SC/8P5A "25 Years of Multi Multi Contesting at K3LR" - Tim Duffy, K3LR

1pm - 2pm Kenwood Equipment - Jan Servaites N8CBX

Where: Room 3

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Kenwood Equipment forum Presenter: Mark Gilger - WB0IQK Presenter: Terry Wagoner - K9TW Presenter: Jeff Covelli - WA8SAJ -Help with Parts, Documentation & Service - Mark Gilger, WB0IQK -Hybrid Net Repeat Questions - Mark Gilger, WB0IQK -Parts & Service - Mark Gilger, WB0IQK -Basic Trouble shooting - Mark Gilger, WB0IQK, Terry Wagoner, K9TW -The Early 500 series (TS500/510/511) - Jan Servaites - N8CBX -Questions and Answers - Jeff Covelli, WA8SAJ, Jan Servaites - N8CBX

2017 Hamvention Forums

1:30pm - 2:30pm MESH - Bill Curtice WA8APB

Where: Room 2

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

MESH forum Hams around the world are now building radio-based highspeed digital mesh networks across their cities using microwavetechnologies and low cost commercial hardware adapted for Amateur Radiouse. Mesh provides flexible, high speed wireless communications thatcan be adapted to varying terrain types, can be rapidly deployed, arefun to build and use, and are particularly well suited to the EmCommneeds of many served agencies. The MVMA is delighted to host AndreHansen, K6AH, of the Amateur Radio Emergency Data Network (AREDN)Project, speaking on how to build an effective AuxComm, high-speed datanetwork based on Ubiquiti airMAX products and the AREDN Project'sfirmware. Andre will describe a 3-tiered architecture---usingillustrations of actual installations---where AREDN implementers in SanDiego, Riverside, San Bernardino, Orange, and Los Angeles Counties havecombined to cover over 16,000 square miles with a potential of supporting Incident Command System (Memorandum Of Understanding)relationships with EOCs, ARES, RACES, and Red Cross serving over 18million people. He will also discuss critical network services thatmust be established in order to make that network useful to disasterIncident Commanders and responders. Additional information may be foundat the Mesh Networks Booth #1001, at www.aredn.org, and atwww.miamivalleymesh.org

1:45pm - 3pm Public Service Communications - Mike Corey KI1U

Where: Room 4

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Public Service Communications forum A chance to hear from representatives from Amateur Radio's largest organizations active during times of disaster and emergency. Sponsored by ARRL, the national association for Amateur Radio®. Speakers: 1. Rob Macedo, KD1CY, VOIP WX Net and VOIP Hurricane Net 2. Julio Ripoll, WD4R, Amateur Radio at the National Hurricane Center, WX4NHC 3. Paul English, WD8DBY, US Army MARS 4. David Stapchuk, KD9DXM, US Air Force MARS 5. Bobby Graves, KB5HAV, Hurricane Watch Net 6. Bill Feist, WB8BZH, SATERN 7. Ross Merlin, WA2WDT, Department of Homeland Security, SHARED RESOURCES (SHARES)

2:15pm - 3:30pm System Fusion - Mark Thompson WB9QZB

Where: Room 3

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

System Fusion forum 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 the Yaesu System Fusion 2m/70cm FM/C4FM Digital Voice Repeaters and Mobile & Portable radios incorporating both Analog FM & C4FM Digital Voice and the WIRES-X (Wide-coverage Internet Repeater Enhancement System) VoIP internet communications linking system. Hams experienced in using System Fusion technology and deploying repeaters & WIRES-X will be available to share their experiences and answer your questions about System Fusion. Everyone who is using or interested in System Fusion is encouraged to attend & participate.

2:30pm - 3:15pm Kids Training for Ham Radio - Gordon West WB6NOA

Where: Room 1

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Kids Training for Ham Radio Gordo invites kids and teachers to attend this action-packed forum , where the KIDS will likely steal the spotlight on ham radio training ! Learn what it takes to interact with school students , and to get them excited about wireless fun with live demos - that the kids will do ! Learn from our students on what it will take to turn them into active ham radio operators ! Everyone will receive the Instructor Academy diploma !

2:45pm - 3:45pm HamRadio 360 Workbench Podcast - G. Zafiropoulos KJ6VU

Where: Room 2

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Pod Cast 360 forum It's never been a better time to be a ham especially if you like to design and build equipment and go out to operate portable. Jeremy, KF7IJZ, and George, KJ6VU, hosts of The Workbench podcast, talk about the growing interest in building and use of portable HF radio gear. In this session we talk about setting up your workbench and build projects including an HF antenna analyzer, low voltage disconnect, portable HF antennas, radio and battery selection. For more info go to www.hamradio360.com

3:15pm - 5pm VHF-UHF - Tony Emanuele WA8RJF

Where: Room 4

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

VHF-UHF forum Microwaves are Easy. Kent Britain WA5VJB Modern VHF transverter considerations. Sam Jewell G4DDK Hardware Sequencing: What they didn't tell me. Marshall Williams K5QE Construction of portable VHF beams. Zack Widup W9SZ WSJT-X MSK144 meteor scatter and VHF Contesting. Tony Emanuele K8ZR

2017 Hamvention Forums

3:30pm - 5pm DX Forum - Jay Slough K4ZLE

Where: Room 1

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

The DX forum is once again sponsored by the SouthWest Ohio DX Association and Yaesu, in coordination with the Hamvention organization. At the conclusion of the forum we will have a drawing for an FT-1200, generously donated by Yaesu. All proceeds from this drawing are used to sponsor future DXpeditions. You do not have to be present to win. SWODXA has been able to make significant donations to many DXpeditions thanks to your participation in this drawing and profits from the DX Dinner, which is also sponsored by SWODXA. Randy Rowe, N0TG, will tell us about the CY9C operation from last August. He and Murray, WA4DAN, were co-leaders of this trip which has been dubbed "The Best Little DXpedition in North America". Randy lives in TX, so you can guess the subtle allusion to a theatrical production with a similar name! Randy and Murray are veterans of several expeditions, most notably are trips to Sable, CY0, and Navassa in days of yore. St Paul Is is an interesting entity and you will certainly be informed and entertained as he reveals "the rest of the story". Our second speaker is Bob Eshleman, W4DR, (ex W4QCW). He will tell us about the first activation of Navassa Is., back in 1954 as KC4AB. Bob's achievements are legendary, within our hobby and outside the hobby. He has too many awards and DX activations to enumerate here, but suffice it to say his position in the CQ Magazine DX Hall of Fame, speaks for itself. Randy, N0TG, has operated from Navassa in the intervening years, but Bob and two other teen age friends beat the big boys out to get there first. We are sure you will enjoy hearing how this happened and you will get a driver's seat feel for how different DXpeditioning was in the early 50s than it is now. Can you imagine the owner of Bacardi Rum providing his yacht for such an activity, especially to 3 teenagers?

3:45pm - 5pm Digital Modes - Mel Whitten K0PFX

Where: Room 3

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Digital Modes forum Introduction to low cost HF monitoring with RTL-SDR - Carl Laufer, RTL-SDR.com
Abstract - This talk will be a brief introduction to using the RTL-SDR and other cheap SDRs for HF reception and monitoring. The RTL-SDR is an ultralow cost software defined radio that is opening the radio world up to new people. I will cover what an RTL-SDR is, what it can do, and what options you have to enable HF reception with one. I'll then give some examples of previous work that shows people successfully receiving digital modes with the RTL-SDR. New Developments in Digital Amateur Radio from the DV4 Team Speaker - Ulrich Altvater, AG0X DV4 is a digital voice technology for the VHF/UHF bands with network and RF connectivity for both mobile and fixed station. Uli will describe the Yaesu System Fusion (YSF) reflectors and MyRoom features include messaging, Private/Public rooms, and transcoding. The DV4 mobile LTE network will also be described. On the hardware/device side, Uli will provide updates on the DV4 mini improvements, DV4 home software, and the new DV4 mobile's current status, beta test procedure and pricing. What's New with FreeDV? Speaker - Mel Whitten, K0PFX A quick update on the improvements in FreeDV and CODEC 2 including new modes recently released. FreeDV is an open source digital voice mode addressing the propagation and interference challenges that HF radio present. A free GUI application for the Linux, Windows and Apple OSX, FreeDV allows any SSB radio to be used for digital voice in half the bandwidth of SSB.

4pm - 5pm FCC - Curt Bartholomew N3GQ

Where: Room 2

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

FCC forum "Dealing with Impossible Hams in Your Club or Team." Moderator: Curt Bartholomew N3GQ
FEDERAL AGENT Emergency & Continuity Manager Public Safety and Homeland Security Bureau Federal Communications Commission Be the Ham your country needs you to be.

Sun May 21, 2017

9:15am - 10:15am Bicycle Mobile - Mike Nickolaus NF0N

Where: Room 4

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Bicycle Mobile forum Bicycle Mobile Hams of America got its start in 1989 when a QST article by Hartley Alley, NAOA asked hams who operate their radios while bicycle-mobile to get together and form a group. BMHA hosts a website along with the BMHA Yahoo Groups forum. Mike Nickolaus: NF0N : Review of 2017 BMHA Bicycle Trail Ride Keith Miller: NE9KM Keith will present the packing, planning, connections, experiences on the trail while riding and working National Parks on the Air. He will have the bike and gear that he used on both the Great Divide and GAP/C&O rides. While he changed the plan he presented last year and did not operate while bike mobile he used the radio for NPOTA during the evening while in camp. This presentation will help others prepare for a several week self supported bike trip. We plan to have bicycle mobile displays and demonstrations of each will be conducted.

2017 Hamvention Forums

9:15am - 10:15am Learning, Discovery and Fun - Tommy Gober N5DUX

Where: Room 2

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Learning, Discovery and Fun - Tommy Gober N5DUX The next generation of ham radio operators are today's students. As an instructor for ARRL's Teachers Institute on Wireless Technology, Tommy Gober, N5DUX, introduces teachers to a variety of tools and curriculum to take back to their classrooms: intro to basic electronics, the science of radio, space technology and satellite communications, as well as weather science, introduction to micro-controllers and basic robotics. Tommy will share strategies and experiences to help motivate students to learn, and to inspire interest in STEM (science, technology, engineering, and mathematics) fields. This forum is sponsored by ARRL, the national association for Amateur Radio®

9:15am - 10:15am Receiving Antennas - Eric Nichols KL7AJ

Where: Room 3

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Receiving Antennas - Eric Nichols KL7AJ "Receiving antennas are DIFFERENT! Almost every amateur radio station can benefit from having a separate receiving antenna. Eric Nichols, KL7AJ will discuss the profound differences between the requirements of transmitting and receiving antennas, and how to optimize antennas for reception. As the overall noise floor in the HF band steadily increases, the deployment of well designed, low-noise receiving antennas will be increasingly important. Exciting new technologies make small, effective receiving antennas possible and practical." "Eric P. Nichols, KL7AJ is a two-time recipient of the William Orr, W6SAI Technical Writing Award, conferred by the ARRL. He is currently technical editor for the W5YI group, working closely with Gordon West. He has written dozens of articles for QST, and is the author of The Opus of Amateur Radio Knowledge and Lore, Radio Science for the Radio Amateur, Propagation and Radio Science, and, Digital Storage Oscilloscopes for Ham Radio. He is currently writing a book on active and passive receiving antennas for ARRL, the topic of this talk.

9:15am - 10:15am West Mountain Radio - Sholto Fisher K7TMG

Where: Room 1

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

West Mountain Radio forum Getting started with JT65/JT9 on HF Description: Get up to speed with the JT HF modes and a few tips for seasoned operators! Presenter: Sholto Fisher, West Mountain Radio Bio: Sholto has been interested in digital modes since the 1980s. First licensed in 1995 as G7TMG he holds FCC amateur extra class license K7TMG and the GMDSS full license. For the last 6 years he has been working for West Mountain Radio in a technical support role.

10:30am - 11:30am NPOTA Recap - Norm Fusaro W3IZ

Where: Room 2

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

NPOTA Recap Moderators: Norm Fusaro, W3IZ, ARRL Radiosport Manager and Sean Kutzko, KX9X, ARRL Media and Public Relations Manager ARRL National Parks on the Air (NPOTA) commemorated the centennial of the US National Park Service in 2016. Activators and Chasers completed over one million radio contacts. Through NPOTA contacts, photographs, and stories...we were whisked away to mountain tops, seashores, monuments, and to some of the most treasured sites of our nation. If you were part of NPOTA in 2016, we want you to join us for this celebration and recap of one of the most popular on-air events of all time. This forum is sponsored by ARRL, the national association for Amateur Radio®

10:30am - 11:30am Robotics in the Classroom - Ray KE8EIX

Where: Room 1

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Speaker: Dave Dunn The FIRST Robotics Competition (FRC) is a unique varsity sport of the mind designed to help high-school-aged students experience science and technology in a competition that feels more like the NCAA Final Four than a science fair. The competition challenges young people to work with mentors in just six weeks to design and build a 120lb robot to play a pre-defined game. This year's robots voyage back to the age of Jules Verne and H.G. Wells to power airships and at the end the robots climb on board by ascending a 5 foot rope. (They won't actually take flight, but it's the thought that counts!) Sounds a little crazy, right? You've really got to see it to believe it. The competition is designed by world-famous inventor Dean Kamen, MIT professor emeritus Dr. Woodie Flowers, and a committee of creatively minded innovators. Come listen to the BONDS robotics team describe the program and show off this year's robot "Skyfall"

2017 Hamvention Forums

10:30am - 11:30am Setting Up Disaster Coms - S. Ram Mohan

Where: Room 3

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Setting Up Disaster Communications - S. Ram Mohan Special Achievement: S. Ram Mohan, VU2MYH S. Ram Mohan is the Executive Vice Chairman & Director National Institute of Amateur Radio, Hyderabad, India. He was Licensed as Radio Amateur Grade-I since 1988, conducted number of experiments on H.F. and V.H.F. communication equipment and carried out propagation tests, organized training programs, DX-pedition's, workshops, General Amateur Radio activities including public service Communication. As Chief Investigator for Dept. of Information Technology, Govt. of India funded Pilot Projects, he has successfully implemented the programs on Digital connectivity to Urban/Rural/Remote areas through amateur radio, Study on Propagation Conditions in Coastal Areas and Advanced Digital Amateur Radio Communication Network. He led team member for many emergency communications operations. Examples are: Nepal Earthquake 2015, Cyclone Hud 2014, Uttarakhand Floods 2013, West Bengal 'Ayla' Cyclone 2009, Indian Ocean Tsunami 2004, Gujarat earthquake 2001, and the Orissa Super Cyclone 1999.

10:30am - 11:30am Tower Safety - Mark Allen W6PC

Where: Room 4

Calendar: 2017 Hamvention Forums

Created by: hamvention.webmaster@gmail.com

Description:

Tower Safety forum Mark Allen, W6PC, will once again provide the popular presentation on tower safety, tips and techniques on planning, installation and maintenance of your tower, and answer questions about towers and poles typically used by amateur stations. The presentation will be conducted on PowerPoint and will review, good practices, accidents and regulations which may affect amateurs who have their own tower installations. Mr. Allen, Vice President, of ROHN Tower, has more than 45 years in the professional communications industry and has been involved in all aspects of towers during his career. This presentation always receives excellent reviews and is very informative. Bring your tower questions and plan to attend.