

Saturday, May 16, 2015

Dayton Hamvention - Forum Schedule – Saturday, 16 May - Version 1.3 (As of 23 April)
For more information, visit <http://hamvention.org>

Saturday, May 16, 2015

9:15 - 10:15

Room 1

Drake Equipment

Maintain, Modernize, or Magnify? YOU can do all three!

Moderator: **Evan Rolek, K9SQG**

Speakers: **Evan Rolek, K9SQG: Drake L4B tune up: it's not what you think!**

Jeff Covelli, WA8SAJ: TR-7 adjustable ALC/power, for ALL modes?

Mark Gilger, WB0IQK: C-Line is great, but what frequency am I on?

Ron Baker WB4HFN: Self-contained, 2 tube L4B: How did he do that?

Jeff WA8SAJ, Mark WB0IQK, Ron WB4HFN and Gary W8PU:

Ask the Experts: Questions and Answers

FREE prize drawing including Drake memorabilia.

FREE collectable Drake pens for the first 125 attendees.

9:15 – 12:00

Room 2

Youth Forum

Moderator: **Carole Perry, WB2MGP**

Come show support and join the fun by attending this forum that showcases our young, talented hams. Bring kids with you to inspire them by seeing role models having fun and being creative in ham radio activities. Lots of surprise guests will be stopping by. We will be having fabulous door prizes for adults and youth who are in attendance.

Speakers: **Tyler Hammond, KD8UAY, 13 years old, Contesting for Elementary Students**

Abbigail Wilson, KF5BEW, 18 years old, and Kendra Wilson, KF5FYS, 16 years old, Youth and the Future of Ham Radio

Sam Case, KG7HBY, 11 years old, The Friday Night QSO Party

Jesse Shulins, KB1YNK, 17 years old, Pneumatic Mast Systems for the Radio Amateur

Faith Hannah Lea, WA4BBC, 10 years old, and Zechariah Lea, WX4TVJ, 12 years old, Experiences in Antenna Selection, Construction, and Use for VHF Applications

Cameron Thurston, N8CAM, 16 years old, Contesting with N3FJP Software

9:15 - 10:15

Room 3

Clandestine "Spy" Radio Operations during WW-II

Speaker: **Tom Perera Ph. D., W1TP**

Tom will describe and show the desperate attempts by the resistance to build radios to keep informed about the progress of the war ...and by spies to communicate critically important intelligence information back to the Allies while being ruthlessly hunted by German direction-finding teams.

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- 9:15 - 11:00** **Room 5** **ARRL Member Forum**
Moderator: **Dale Williams, WA8EFK**, ARRL Director, Great Lakes Division
ARRL is the national association for Amateur Radio in the United States. The organization has over 166,000 members worldwide, publishes the popular monthly journal *QST*, and coordinates an extensive all-volunteer field organization. Hear from local and national ARRL officials on key areas advocacy on behalf of members. Find out how ARRL supports dozens of ways to get involved and get on the air. Members and prospective members are all welcome!
- 10:30 - 12:15** **Room 1** **Ham Nation - A Townhall Meeting**
Hosts: Hosts: **Bob Heil, K9EID, Gordon West, WB6NOA, George Thomas, W5JDX, Dale Puckett, K0HYD, and Valerie Hotzfeld, NV9L**
- 10:30 - 11:45** **Room 3** **RTTY Contesting**
This year's theme is "**Improving RTTY Communication**", with an emphasis on the transmitted RTTY signal for maximum intelligibility while being a good neighbor on the bands with the minimum bandwidth necessary for optimum communication. While the focus is RTTY Contesting, the learnings and techniques apply to all RTTY communication. For the RTTY enthusiast, this is a "don't miss" forum.
Moderator: **Ed Muns, W0YK**
Speakers: **Larry Gauthier, K8UT, and Ed Muns, W0YK**
- 11:15 - 1:30** **Room 5** **AMSAT**
Moderator: **Alan Biddle, WA4SCA**
Speakers: **Barry Baines, WD4ASW**, AMSAT-NA President, **AMSAT Status Report** will highlight recent activities within AMSAT and discuss some of the challenges, accomplishments, and exciting projects of the organization.
Frank Bauer, KA3HDO, AMSAT-NA Vice President for Human Spaceflight, **ARISS Report 2015** will discuss ARISS development & operations on the International Space Station.
Jerry Buxton, N0JY, AMSAT-NA Engineering Vice President, **AMSAT-NA Fox Satellite Program** will discuss the upcoming launches of four Fox spacecraft and exciting new engineering developments.
Drew Glasbrenner, KO4MA, AMSAT-NA Operations Vice President, **AMSAT Satellite Operations** will discuss current satellites, as well as those planned for launch in the next year.
Tom Clark, K3IO, AMSAT-NA President Emeritus, **AMSAT's Skunk Works** will discuss some innovated R&D items for future spacecraft.
EMike McCardel, KC8YLD, AMSAT-NA Educational Relations Vice President, **Amateur Satellites, Education, and You!** will discuss the

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resources and equipment which supports the educational goals of AMSAT-NA.

12:00 - 1:00

Room 3

The Doctor is In

Moderator: **Joel R. Hallas, W1ZR**, Contributing Editor, *QST*

To help celebrate 100 years of ARRL's membership journal, *QST*, we've brought "The Doctor" to Hamvention®! *QST*'s popular monthly column "The Doctor is In" provides short, helpful answers to readers' questions. While the items in the magazine are just a fraction of all that are received, questions are selected with the hope that they will be useful to multiple members who hadn't yet thought to ask them. Bring your questions to this session—technical ones are best—and "The Doctor" will try to provide an answer (some questions may require further consultation, antenna modeling, or other offline analysis for a complete answer). This forum is sponsored by ARRL, the national association for Amateur Radio®.

12:15 - 2:00

Room 2

Fast-Scan ATV

Moderator: **Art Towslee, WA8RMC**, Introduction and Wrap-Up

Speakers: **Gordon West, WB6NOA**, **Life After the P.C. Analog Tx/Rx**

Mel Whitten, K0PFX, **Getting Started in Digital Amateur Television**

Dr. Al Torres, KP4AQI, **VSWR: Why It Does Not Mean As Much As You Think (For ATVers)**

Mike Collis, WA6SVT, **ATV in Southern California, Overview**

12:30 - 2:30

Room 1

Contesting

Moderator: **Doug Grant, K1DG**

Speakers: **Doug Grant, K1DG**, **WRTC2014 Documentary Video excerpts with Chairman's Commentary** WRTC2014 took place in July 2014 in the Boston area. A superb 1-hour professional documentary video about the event has been produced by James Brooks, 9V1YC. (This video is available for viewing at www.wrtc2014.org or at <https://vimeo.com/119947598> and should be watched prior to coming to Dayton. This talk will reveal some interesting and amusing behind-the-scenes anecdotes.)

Michael Hoeding, DL6MHW, Vice-President, WRTC2018; and **Sandy Raeker, DL1QQ**, Competitor, WRTC2014, **Preparations for WRTC2018** Michael and Sandy will describe the work being done to prepare for WRTC2018, to be held in Germany. Topics will include contesting in Germany, organizations and people involved, open and closed issues, description of proposed sites, and an invitation to attend.

John Pescatore, K3TN, **The K3TN Zero-operator, Multi-transmitter Operation at K4VV in ARRL DX CW** John will describe the setup and challenges of enabling five remote operators to operate a Multi-Multi station in the ARRL DX Contest. During the contest, operators from Maryland, Virginia, North Carolina and Florida all used the K4VV station to amass over 4200 QSOs.

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Larry "Tree" Tyree, N6TR, Is Remote Contesting Ready for Prime Time? Tree will describe the current state of applying remote-station technology to contesting. Tree has operated the ARRL November Sweepstakes contest from a station in VE8 while physically located in Oregon, and from his own station in Oregon while sitting in a hotel room in India. In addition to the technology, remote contesting opens new questions about remote receiving sites, licensing, and more.

1:15 - 2:15

Room 3

Kenwood Legacy Hybrid Equipment

Supporting user interests and needs for the Legacy Kenwood Equipment

Moderator: **Mark Gilger, WB0IQK**

Speakers: **Jeff Covelli, WA8SAJ, History of the Legacy Products**

Mark Gilger, WB0IQK, Resource Help with Parts and Documentation

Mark Gilger, WB0IQK, Restoration Techniques

Jan Servaites, N8CBX, Hi Pot Tube Testing

Jan Servaites, N8CBX, Replacing the TS-530 relay

Jan Servaites, N8CBX, Restoring the T-599 transmitter

Jeff Covelli, WA8SAJ & Jan Servaites, N8CBX: Questions and Answers

1:45 - 3:00

Room 5

ARRL Presents Astronaut Mike Fincke, KE5AIT

ARRL is honored to welcome NASA Astronaut Edward Michael "Mike" Fincke (Colonel, US Air Force, retired) as our guest to Hamvention®. Mike holds an Amateur Radio license, call sign KE5AIT, and operated ham radio equipment from aboard the International Space Station as part of the Expedition 9 and 18 crews — making radio contacts with students, teachers, and the general Amateur Radio community. In June 2004, Mike delighted many radio amateurs by making contacts during ARRL Field Day. Amateur Radio on the International Space Station (ARISS) is a cooperative venture of ARRL, the Radio Amateur Satellite Corporation (AMSAT), NASA, and other international space agencies and international Amateur Radio organizations around the world. This forum is sponsored by ARRL, the national association for Amateur Radio®.

2:15 - 3:15

Room 2

Portable HF Antenna System

Moderator: **George Zafiropoulos, KJ6VU; PackTenna**--Designing the perfect portable HF antenna system. Operating HF radio while on the trail, car camping, or traveling is a challenge. We want full size antenna performance in a small, light weight package that can be stuffed in a backpack or suitcase. In this session we will explain the design and mechanical construction of the PackTenna, a multi-band wire antenna system that takes advantage of light-weight backpacking hardware to create a full sized antenna system.

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- 2:30 - 3:30** **Room 3** **Quarter Century Wireless Association, Inc. (QCWA)**
Moderator: **Ken Oelke, VE6AFO** - President
Speakers: **Tom Loughney, AJ4XM** - General Manager, **Carole Perry, WB2MGP** - Chair, Youth Activities Committee, and **Collin Pike, KJ4AXB** – QCWA Scholarship Award Recipient
The Quarter Century Wireless Association, Inc. is where the *past* meets the *present*, to lead into the *future*. The forum will discuss the recent changes with the hiring of our new General Manager, Tom Loughney, AJ4XM, and other changes with our volunteer make-up. President Ken Oelke, VE6AFO, will talk about our new demographics, and ask members for their input. General Manager Tom Loughney, AJ4XM, will talk about Chapter and International Relationships and new member benefits, such as discount programs. Carole Perry, WB2MGP, will introduce Collin Pike, KJ4AXB, and talk about the future of the new Youth Activities Program. Other items for the forum include Annual General Meeting of the Members and QSO Party - a request for ideas and suggestions.
- 2:45 - 5:00** **Room 1** **DX Forum**
Moderators: **Jay Slough, K4ZLE, and Pete Meyer, N0FW, and the rest of the SWODXA team**
Once again the SouthWest Ohio DX Association in cooperation with the Hamvention® (r) committee and Yaesu are proud to sponsor the 2015 DX Forum. This year's line up represents an around the world look at several DXpeditions and gives you a peek at what it takes to go there and do that! Come and hear, come and see, come and learn that the road is not always smooth and is sometimes arduous, even after you have arrived on site!
Speakers: **Patrick Godderie, ON4HIL, and Marc Cosemans, ON6CC, EP6T - Kish Island, Iran**
Gene Spinelli, K5GS, VK9MT - Mellish Reef
Glenn Johnson, W0GJ and Bob Allphin, K4UEE, K1N - "The Long Road to Navassa" 13 Years in the Making
W1AW/xx - "Dead Band DX" - 100 years in the making
- 3:15 - 5:00** **Room 5** **Digital Modes Now and for the Future**
Moderator: **Mel Whitten, K0PFX**
Speakers: **Rick Barnich, KA8BMA, SM1000 - The Inside and Out of HF Digital Voice's New FreeDV in-a-Box** Want to make your SSB radio into a Digital Radio without the need for a PC? Here is the solution in one small enclosure that easily connects to the radio in your shack. In his talk, Rick will tell you all about it so you too may begin enjoying the advantages of Digital Voice over HF.

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Bruce Perens, K6BP, The Future of Amateur Radio: Where the Digital Road Will Take Us Wonder what you'll be doing at Hamvention® 2020? Hear from Bruce Perens, K6BP, one of the founders of the Open Source movement in software and CEO of Alogram, the handheld SDR company. As HTs become smarter than your smartphone, Amateur Radio becomes a lot more than we have today.

Chris Testa, KD2BMH, Whitebox Charlie: Evolution towards the HT of the Future Chris has been working on a portable software defined transceiver in order to discover innovative ways for digital communication. In his talk Chris will go over the third design of the Whitebox project, handheld project with the goal of pushing the envelope of what to expect from your next Amateur Handheld.

3:30 - 4:30

Room 2

MARS

Moderator: **Paul English, Army MARS Program Manager**

Presentations by **Paul English, Army MARS, Dave Stapchuck, AF MARS, and Bo Lindfors, Navy MARS** .

3:45 - 5:00

Room 3

VHF-UHF

Moderator: **Tony Emanuele, WA8RJF**

Speakers: **Zack Widup, W9SZ, Portable VHF & UHF Antennas**

Rick Campbell, KK7B, Project-Based Approach to VHF-UHF Technology

Ed Krome, K9EK, SDR Panadapters: Methods for Older Receivers

Mike Kana, AA9IL, Quick! I need a 2.3 GHz transverter!

Garry Hess, K3SIW, Microwave ATV

Kent Britain, WA5VJB, VHF/UHF/Microwave Antennas