

Dayton Hamvention®

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DAYTON HAMVENTION® 2009

May 15, 16 & 17, 2009

“Digital Radio Enabling Amateurs to do More”

Forum Details – Saturday May 16th Sorted By Room & Time

9:15 a.m. – 11:15 a.m.

Contesting

Room 1

Moderator: Doug Grant, K1DG

- "The Deutscher Amateur Radio Club Contest Program and WAE-60 Celebration", Joerg Jaehrig, DJ3HW
- "A Tale of Two Winning Field Days - W3AO 23A and W2RDX 3A", Rol Anders, K3RA, and Vic Gauvin, K1PY
- "Skimmer - One Year Later", Pete Smith, N4ZR
- "Xtreme Contesting at Radio Arcala, OH8X", Toni Linden, OH2UA

11:30 a.m. - 1:15 p.m.

Youth

Room 1

Moderator: Carole Perry, WB2MGP

Honoring and Encouraging the Young Presenters.

- "How Ham Radio and Ham testing benefits the student", Carol Makky, KD0FEE, age 9, and Caitlyn Reynolds, KC0ZJV, age 16
- "DX and QSL Collecting", Steven J. Makky Jr., KD0BHG, age 12, and Robert Makky, KD0DLU, age 11
- "Capturing The Youth through RAC (recruiting, advertising, and cool factor)", Simon Boehme, KC8ZYD, age 17, Michigan ARRL Youth ASM
- "Fractal Antennas", Austin Schaller, KD0FAA, age 14
- "Let's Go Mobiling", Ian Blodger, KD8AII, age 18, Ben Veltman, KD8GBY, age 16, and Josh Gerard, KC8ZOW, age 15...all from A.R.G.Y.L. (Amateur Radio Group of Youth in Lowell)
Our co-sponsors this year are ICOM, MFJ and RCA. Great door prizes for the young adults in the audience!

- 1:30 p.m. - 2:30 p.m.** **Richard Garriott, Space Explorer** **Room 1**
Moderator: ARRL
In October 2008, Richard fulfilled a lifelong dream to experience spaceflight. He traveled to the International Space Station (ISS) aboard a Russian Soyuz spacecraft. While living on the ISS, he conducted scientific experiments and environmental research – but he also had a chance to do quite a bit of Amateur Radio operating, including sending slow-scan TV (SSTV) images. Twenty-six years ago, Richard's father, Owen Garriott, W5LFL, initiated the first ham radio contacts from space, aboard the Space Shuttle Columbia.
- 2:45 p.m. - 5:00 p.m.** **DX** **Room 1**
Moderator: Jay Slough, K4ZLE
Assistant Moderators: Pete Meyer, N0FW and Tom Kissner, W8WGT
- E44M - Simone Bizzarini, IZ0BTV
 - K5D - TBD
 - VK9DWX - Josh Fisher, W4WJF
 - African DX Safaris - 'Frosty' Frost, K5LBU
- Sponsored by SW Ohio DX Association and Yaesu Vertex
There will be a Yaesu FT-2000 with PEP raffled off at the end of the DX forum. You do not have to be present to win. Tickets for a chance on the FT-2000 are available at the forum, or may be ordered at the same time you purchase your DX dinner tickets. www.swodxa.com.
- 9:15 a.m. - 10:15 a.m.** **SATERN** **Room 2**
Moderator: Peggy McNary ,N9QT
Panel: Major Patrick McPherson, WW9E, National SATERN Director
Bill Schillington, W9ZCL, Central Territory SA
Bill Feist, WB8BZH, Southern Territory SA
Bill Hedeem, KB9AKD, Western Territory SA
Mark Griggs, KB8YMN, Eastern Territory SA
Major Rick Shirran, VE3NUZ, VE4RS, Canada SA
- SATERN: An organization of hams who stand ready to help the Salvation Army with emergency communications during disasters throughout the world. Come and find out what SATERN has done and is doing.
- 10:30 a.m. - 11:30 a.m.** **ARRL Member** **Room 2**
Moderator: ARRL Staff
An interactive session with ARRL national and regional leadership. ARRL is a membership organization—we are here for you. Come share your ideas and ask questions.

Moderator: Bill Pasternak, WA6ITF

Speakers: Mark Abramowicz, NT3V, KYW Newsradio: "Ham Radio and a Career on the Air"

David Bauer, K4PZT, Broadcast Engineer (Ret): "From Kid Ham To A Career In The Control Room"

Henry Feinberg, K2SSQ, "Ham Radio and A Career Making Science Understandable"

Bob Heil, K9EID, Heil Sound Ltd., "A Poster Child For Ham Radio."

Jim Hendershot, WA6VQP, Radio Design Group,: "Kid Ham to Radio Researcher"

Richard McKay, K6VGP, Airline Pilot (Ret), "From Ham Radio to the Cockpit"

Steve Mendelsohn, W2ML, ABC Television, "Ham Radio - Marathons to Major League Sports"

HAM RADIO: A LIFETIME OF CAREERS

Over the century that the radio has existed many famous names have been associated with it: Marconi, Loomis, Stubblefield and Tesla. They may not have held government issued licenses, but they were radio amateurs in the truest sense. It was their experiments over a century ago that brought us the modern telecommunications that we know today.

Those late 19th and early 20th century experimenters are gone. But others came in their place, and as they passed others took their place. And as the years passed, the contributions of radio amateurs -- now as licensees -- became a long list of accomplishments in all aspects of communications technology.

Most of them started as kids: Kid hams if you will. Kids with a thirst for knowledge and the need to share it with others.

Now, it is nearing the end of the first decade of the 21st century and the contributions of radio amateurs continue. Not just in research laboratories. Hams are on the cutting edge of every aspect of modern communications and in ways that you may never have imagined. And, over the next 2 hours you will get to meet some of them and hear how they started as curious youngsters, but wound up making contributions to society in ways that they may never have envisioned.

The Ham Radio Town Meeting is sponsored by the Amateur Radio Newsline, Inc.. It was organized in 1976 as the Westlink Radio Network by Jim Hendershot (WA6VQP) and Bill Pasternak (WA6ITF). ARNewsline™ has produced and aired over 1640 consecutive weeks (31 years) of free news bulletin programming about Amateur Radio and related personal communications issues.

ARNewsline™ also created and sponsors the "Young Ham of the Year Award" program with corporate underwriting from Vertex-Standard (Yaesu) and CQ Publishing (CQ, Popular Communications and Worldradio Magazines).

It also co-sponsors the Roy Neal, K6DUE, Amateur Radio Mentoring Program, in partnership with the Quarter Century Wireless Association.

2:15 p.m. - 3:15 p.m.

FCC

Room 2

Moderator: Laura Smith, Esq.

Speaker: Bill Cross

Ms. Smith recently accepted the position of FCC Special Counsel for the Spectrum Enforcement Division. Along with Mr. Cross she will update you on the latest amateur radio news from the FCC and field questions about the FCC and amateur radio.

3:30 p.m. – 5:00 p.m.

ATV

Room 2

Moderator: Art Towslee, WA8RMC

- "A few words about Gene Harlan", Sheri Harlan, K9SH
- "Introduction to ATV". Ron Cohen K3ZKO
- "ATVQ Magazine overview", Mike Collis WA6SVT
- "ATVQ Magazine Website", Bill Brown WB8ELK
- "Can You See Me Yet?", Henry Ruh AA9XW
- "Net Control of an ATV Net, "Gordon West WB6NOA

9:15 a.m. - 10:15 a.m.

Lightning Protection

Room 3

Moderator: Ron Block, NR2B

Ron has over twenty years experience in the lightning protection industry as a lightning protection consultant, PolyPhaser newsletter editor, PolyPhaser product distributor, and brother of Roger Block, founder of PolyPhaser Corporation.

This program will begin by discussing the characteristics of lightning and how it affects us as amateurs, a review of your chances of being struck depending upon location and tower height, an examination of how lightning impulse current can be controlled to eliminate damage to equipment, how lightning strike magnetic fields from a nearby tower can destroy electronic equipment, proper exterior grounding for both protection and RF, and a useful approach toward establishing a single point ground system within the radio room. If this is done correctly, your radio equipment can survive a direct lightning strike.

The moderator will use a software simulator program to view the effects of (new) tower placement in relation to the radio equipment, coax/tower take-off height options, and single point ground connection options. The simulator is a graphic representation of the physical world and performs the calculations defined in the PolyPhaser publication Lightning Protection and Grounding Solutions for Communications Sites by Ken Rand of PolyPhaser Corporation.

Several copies of the PolyPhaser publication and the WR Block Simulator will be given away as door prizes.

- 10:30 a.m. – 11:45 p.m.** **Heil Sound - Ham Station Audio** **Room 3**
Moderator: Chip Margelli, K7JA
Speaker: Bob Heil, K9EID
Bob will discuss ways to get the best audio from your station. He has dedicated his career to “good sound” and can show you how to transmit the clearest audio and how to clean up the sound from your speaker or headset.
- 12:00 p.m. – 1:00 p.m.** **RTTY** **Room 3**
Moderator: Shelby Summerville, K4WW
Panel: Susan King, K5DU; Mike Sims, K4GMH;
 Jamie Punderson, W2QO; and Craig Buck, K4IA
How best to accommodate the diversity of participants in RTTY contests.
Each panelist will give a short statement and then be available to address questions and comments from the audience.
- 1:15 p.m. – 2:15 p.m.** **ARRL Getting Started in Digital Contesting** **Room 3**
Moderator: Steve Ford, WB8IMY
Thousands of hams are discovering the joys of digital contesting. You don’t need to be a big-gun station with a kilowatt and a tower to have hours of on-the-air fun. All you need is a radio, a computer...and some helpful advice that you’ll pick up at this forum!
- 2:30 p.m. – 3:30 p.m.** **ARES** **Room 3**
Moderator: Jack Sovik, KB8WPZ
Panel: Charles Miller AE4UX SEC for South Carolina; representing the administration of ARES at the Section level;
 Southeast Division Manager Greg Sarrett W4OZK. An ARRL disaster director during Katrina
 Rob Macedo KD1CY Director of Operations for the VoIP Hurricane Net New Bedford MA., who will explain net responsibilities during a disaster.
The Maturing of ARES in this decade of 9/11 and Katrina
Has ARES changed much the past ten years? You betcha. We will explore major changes triggered by 9/11 and further refined by Hurricane Katrina.

- 3:45 p.m. – 5:00 p.m.** **Collins** **Room 3**
Moderator: Dave Knepper, W3ST
The CRA is pleased to have as our presenter, Dennis Brothers, WA0CBK, former Manager and Chief Technician at Collins Radio and presently owns and operates a franchised Collins Service Center. Learn more about Collins equipment through a lively Q and A session that will add to everyone's knowledge from an expert who has over 44 years in Collins Radio repair and restoration.
- 9:15 a.m. – 11:00 a.m.** **VHF/UHF/Microwave** **Room 5**
Moderator: Mike Schulsinger, N8QHV
“Motorola commercial transceivers on 902-928 MHz”, Mark Miller, N5RFX
“Digital antennas”, Kent Britain, WA5VJB
“Fred Fish Memorial Award”, Kevin Kaufhold, W9GKA
- 11:15 a.m. – 1:30 p.m.** **AMSAT** **Room 5**
Moderator: Barry Baines, WD4ASW
- Richard Garriott, W5WKQ On October 12, 2008 Richard Garriott launched into space aboard Soyuz TMA 13 and became the first second generation American in space. Richard's father Owen is a NASA astronaut and carried the first ham radio into orbit on his second flight in 1983 aboard the 9th shuttle flight. Of the many experiments and activities Richard performed on orbit he notes that his ham radio activities were by far the most fulfilling. In his 10 days aboard the ISS and at the Kenwood D700 radio, Richard completed over 500 QSO's, while sending hundreds of SSTV images and speaking with dozens of school children globally. Richard will touch on his training, the flight and his impressions from space, and highlight his ham radio activities.
 - "AMSAT Status Report: What is happening with AMSAT?" AMSAT President Barry Baines will highlight current activities within AMSAT and discuss some of the challenges facing the organization.
 - "SuitSat-2 Status Report", Gould Smith, WA4SXM, AMSAT VP-Member & User Services, SuitSat-2 Systems Engineer.
 - "AMSAT Satellite Operations Update", Drew Glasbrener, KO4MA, AMSAT VP-Operations
 - "A Ham Radio Operator's View of ARISS", Will Marchant, KC6ROL, AMSAT VP-Human Space Flight
 - "Antennas for the Columbus Module", Lou McFadin, W5DID, ARISS Hardware Manager

1:45 p.m. – 3:00 p.m.

SSTV

Room 5

Moderator: Don Miller, W9NTP

“The Beginning of Slow Scan Television”, Cop Macdonald
“SSTV from High Altitude Balloons”, Bill Brown, WB8ELK, How to design your microcontroller-based SSTV transmitter, plus how to demonstrate your own on-line streaming video on the Web.

3:15 p.m. – 5:00 p.m.

MARS

Room 5

Moderator: Ronald Jakubowski,
Maj, SC, Ret AAA9AR/K2RJ

- Update from the MARS service Chiefs - Army, Air Force and Navy-Marine Corps.
- Regional structure changes implemented by Air Force MARS
- Impact of new DoDI on Army, AF, and N-MC MARS Programs
- Army MARS "Road Ahead" and MARS-101 Training Program.
- A short WinLink-2000 technical "capability" update, hosted by WinLink-2000 expert - Steve Waterman.
- Army MARS Regional Director Updates and general Q&A on MARS-related subjects.