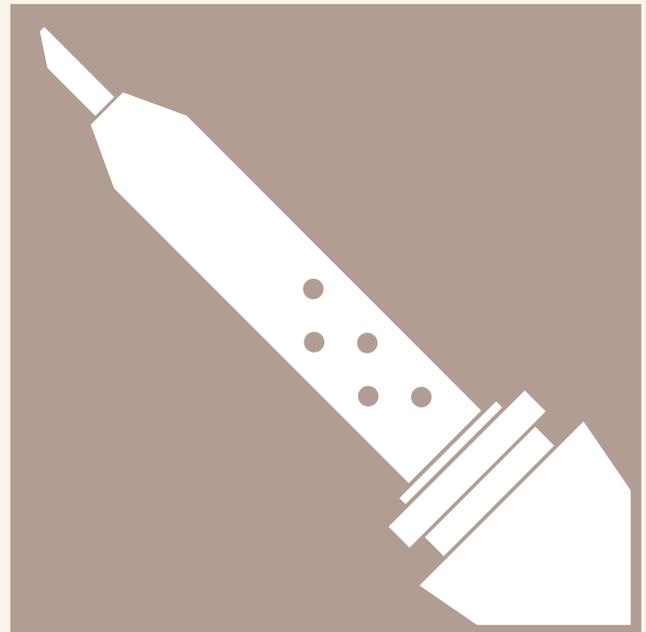


Hamvention®



Homebrew Radio

Welcome to the 2015 Dayton Hamvention Homebrew Radio... Embracing the new and old

Hello to all Hamvention Visitors,

Welcome to Dayton, Ohio and to the 63rd Dayton Hamvention. The past 62 annual gatherings of amateurs have had their special moments and activities that we all remember. Our committees have worked hard all year long to plan and improve this year's event.

Sponsored again by Dayton Amateur Radio Association (DARA), this year's event has remained a totally volunteer activity. With well over 400 volunteers, our goal is to make every Hamvention the benchmark event of the worldwide amateur radio community.

Continuing with 2014's "Makers" theme, we have tried to expand in a similar vein the "Homebrew" aspect of the hobby. With the upswing of interest in the newer technologies such as: the large Makers Movement seen worldwide, use of software operated devices designed by the amateur, 3D printing and circuit design, and Mesh Networking of communications, we are attempting to draw all phases of the Home Brew aspect of today's hobby together here at Dayton in 2015. We invite you to look at some of the new technologies that have grown out of the old tried and true "Homebrew" successes of the past.

While here in Dayton we hope you can renew old friendships and kindle new and lasting ones. Attend as many Forums as you can that follow your interests, or go to new ones discovered while here. But most of all please enjoy your time with us.

We thank you for attending this year, and look forward to our planning of the 2016 Hamvention to make it as good an experience for you as we can make it.

Best of 73's,
Jim Tideman, N8IDS
General Chairman

Jim Tideman, N8IDS
General Chairman



Ron Cramer, KD8ENJ
Assistant General Chairman



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Publication Deadline

Information to be included in the Hamvention Program must be submitted to the Hamvention committee program@hamvention.org no later than April 1 of the publication year.

Design and Layout

Program was created by Chuck Wright, K8MDB

The Dayton Hamvention Program is published by the Hamvention Committee. Permission is granted for reprinting articles, provided credit is given to the original author and the Hamvention Program.

Souvenir Program Committee

Chair..... Jerry Miller, WD8QAI
 Asst. Chair..... Barb Holmes, N8EYW
 Proofreaders Ron Cramer, KD8ENJ
 Linda Kalter
 Jim Shaw, AL7BA

The Dayton Amateur Radio Association (DARA) and Hamvention fully support and are committed to the objectives of the Americans with Disabilities Act (ADA). We strive to provide equal opportunity to all ADA qualified persons who participate in Hamvention®. Our objective is to provide access to the event and we expect nothing less of those who provide building facilities, exhibits and services at our event.

Activities & Times

FRIDAY ACTIVITIES

8:00 a.m. - 6:00 p.m. Flea Market open. Bus service available starting 7:00 a.m. (Buses are scheduled to pick up passengers at 7 a.m. to arrive at HARA by 8 a.m.) Programs available at all ticket selling points & DARA Booth.
 9:00 a.m. - 6:00 p.m. Inside Exhibits open, prizes on display, and exams.
 9:15 a.m. - 5:00 p.m. Forums and scheduled activities.
 11:00 a.m. - 6:00 p.m. Hourly prize drawings.

SATURDAY ACTIVITIES

8:00 a.m. - 5:00 p.m. Flea Market open. Bus service available.
 9:00 a.m. - 5:00 p.m. Inside Exhibits open. Prizes on display and Exams.
 9:15 a.m. - 5:00 p.m. Forums and scheduled activities.
 9:00 a.m. - 3:00 p.m. Hourly prize drawings.

SUNDAY ACTIVITIES

8:00 a.m. - 1:00 p.m. Flea Market open.
 8:00 a.m. - 3:00 p.m. Bus service available.
 9:00 a.m. - 1:00 p.m. Inside Exhibits open, prizes on display.
 9:00 a.m. - 12:00 p.m. Hourly prize drawings.
 9:15 a.m. - 12:00 p.m. Forums and scheduled activities.
 1:00 p.m. Award Winners' Presentation in Hara Arena.
 1:00 p.m. Prize Drawing in Hara Arena (unclaimed hourly prizes, followed by main prizes). Bus Service will be available for a short time after the main prize drawing.

Tickets

Full-price tickets are available at the Hara Arena Box Office (Door #14) and the East Hall (Door #27) during the times shown below. A General Admission ticket is required to enter both the Inside Exhibits and the Flea Market. The tickets are \$25.00 and valid for all three days. All persons over 12 years of age attending the Hamvention are required to have an admission ticket. Special free student tickets are available for students through high school.

Bus tickets for transportation between the Remote Parking at the former Salem Mall and Hara Arena will be available at the Remote Parking Site under the Bus Ticket Sales tent. 3-day passes will be available on Friday for \$8. 2-day passes will be available on Saturday for \$6. A Sunday only 1-day pass will be available on Sunday for \$4. Children under 45" or under 12 years of age can ride the bus, with an accompanying adult, free of charge.

Ticket Sales Hours

Friday 7:00 a.m. to 6:00 p.m.
 Saturday 7:00 a.m. to 5:00 p.m.
 Sunday..... 8:00 a.m. to 12:00 p.m.

HAM RADIO
 40th International Amateur Radio Exhibition
 June 2015, 26 – 28
 Messe Friedrichshafen

WAC n frd
 trub
 ufb
 ham radio

DARC MESSE FRIEDRICHSHAFEN
www.hamradio-friedrichshafen.de



Services

BAGGAGE CHECK

Baggage (boat anchors) can be checked for \$3.00 per claim. The Baggage Check Room is located across the hall from Forum Room 3, just inside Conference Center entrance (Door #6) on the left. All items must be reclaimed by closing time each day. No overnight storage is permitted. Time is extended to 3:00 p.m. on Sunday.

BANKING SERVICES

Local banks are located near the former Salem Mall area. (See map on page 42.) An ATM is located to the right of Hara Arena's front door and opposite booth 483 (See map on pages 18-19.)

DARA BOOTH/MEMBERSHIP

The DARA Booth is located in the lobby of Hara Arena. Programs are available. DARA membership is located inside of Door 14 (Map 18-19).

EMERGENCY MEDICAL CARE

On-site Emergency Medical Services are located to the right of the Conference Center Entrance. See the Inside Exhibits Map on Pages 18-19.

Emergency care is also available from the following:

Doctors' Urgent Care
5915 N. Main Street, (937) 278-3826
8:30 a.m. - 10:00 p.m.

From Hara Arena: take Shiloh Springs east to traffic light at Main St. Turn left to second building on left.

Good Samaritan Hospital
2222 Philadelphia Dr., (937) 734-2612

From Hara Arena: take Wolf Road to Salem Ave. Turn left, proceed to the traffic light at Philadelphia. Follow signs to ER Entrance.

LOST & FOUND

The DARA Booth, located in the Hara Arena Lobby, will accept lost items. Items can be retrieved at this location the day the item was lost. To retrieve lost items later, please go to Hara Arena Box Office.

MESSAGE CENTER

Leave a message for your friends by submitting their call sign and message at the DARA Booth in the Hara Arena lobby. Prize monitors throughout the arena complex will periodically list "message holding" by call sign.

LICENSE EXAMS

Testing this year is at Basore Road Grace Brethren Church for Technician, General and Extra Class Amateur licenses. Friday May 15 testing starting at 10:00 a.m. to noon is available to anyone who does not already have an amateur license. Testing from noon until 5:00 p.m. on Friday is for all classes of licenses. Saturday, May 16, starting at 10:00 a.m.

until 4:00 p.m. testing is for all classes of licenses.

Shuttle vans will be at main entrance door #14 to the Arena. Vans will have signs in their windows. Signs will be at the area where the shuttle vans will load and unload. They will have signs in their windows. They will run every half an hour starting at 8:30 both Friday and Saturday. It is a very short ride.

The Basore Road Grace Brethren Church besides hosting the exams this year, has a parking area that they are charging to park in and will have food available to purchase. You can ride the shuttle van to the church (at no charge) to buy food from them.

Exams will be given on a first-come, first-served basis. **No Pre-registration** is available unless special testing accommodation is required. Large print exams will be available at the regular test sessions. If you need your exam read to you, please email (exams@hamvention.org) and let us know how we can accommodate you and which session you would like to attend. **There is no fee for these exams.**

Each applicant must have the following:

- 1) The original current amateur radio license (to show us and a copy for file).
- 2) The original and a copy of any CSCE or other paperwork which will be submitted for credit.
- 3) A government-issued photo ID (e.g. driver's license)

SHIPPING SERVICE

The UPS Store offers freight service from the floor of Hamvention, near the North Hall entrance (Door #20) Booths 165 & 166. See map on Pages 18-19. Hours are as follows:

Friday	9:00 a.m. - 6:00 p.m.
Saturday	9:00 a.m. - 5:00 p.m.
Sunday	9:00 a.m. - 1:00 p.m.

SPECIAL EVENT STATION

Hamvention will broadcast to the world via the Special Event Station in the Ball Arena. The station will be operating during the hours of the inside exhibit area. Frequencies (+/- QRM) will be:

40M - 7.050 / 7.227
 20M - 14.050/ 14.270
 10M - 28.050/ 28.470

Times 9:00 a.m.-6:00 p.m. EDT Friday & Saturday and 9:00 a.m.-11:00 a.m. EDT Sunday. CW will be tried on the hour as conditions permit. The station will have paddles for CW. The special event station will be utilizing TEN-TEC Omni VII radios this year. For QSLs and certificates, please contact ARRL. To operation the station you must have a copy of your license.

Transportation & Parking

TALK-IN FREQUENCIES

For directions and assistance in the Dayton area during your visit to Hamvention, contact "Talk-In" on the DARA Repeater 146.94 (-) with a backup frequency of 146.64(-). Dayton hams also monitor 223.94 (-) and 442.1 (+).

FREE PARKING & BUS SERVICE

Satellite Parking - at the former Salem Mall located at the corner of Shiloh Springs Road and Salem Avenue. Bus Service (Handicap Equipped) is provided to and from Hamvention. Buses run continuously starting at 7:00 a.m. and complete their routes as quickly as possible. Due to changing traffic patterns and bus loads, an exact bus schedule is impossible. three-day passes will be available on Friday for \$8. two-day passes will be available on Saturday for \$6. A Sunday only one-day pass will be available on Sunday for \$4. Bus tickets may only be purchased at the Salem Mall parking area under the Bus Tickets Sales tent and cannot be purchased at Hara Arena. Keep your bus ticket, as there is no limit on the times you may ride the bus per day.

PAID PARKING

Hamvention has no paid parking available at the Arena. The only Hamvention sponsored parking is the former Salem Mall parking lot with bus service. There is adjacent parking available from private parties near the HARA but these are not controlled by Hamvention.

TRUCK & TRAILER PARKING

Semi-trucks and/or trailers, other over-sized vehicles, and large self-contained vehicles can park in designated areas at the former Salem Mall located at the corner of Shiloh Springs Road and Salem Avenue. No overnight parking or camping is permitted. All vehicles must be removed by 9 p.m. each night. The Trotwood police department will enforce the no overnight parking rule.

CAMPER PARKING

Campers, trailers, self-contained vehicles, or vehicles that require more than one space can park at the former Salem Mall located at the corner of Shiloh Springs Road and Salem Avenue. From there you may take the bus to Hara Arena. three-day passes will be available on Friday for \$8. two-day passes will be available on Saturday for \$6. A Sunday only one-day pass will be available on Sunday for \$4. No overnight camping is allowed in the former Salem Mall parking lot.

TEMPORARY LOADING PASS

A temporary loading pass may only be obtained from the guard at Entrance 1 during the show (see map on Page 23). This restricted loading pass will be valid for 20 minutes and will allow you to use a designated area to load and unload equipment, or to pick up your exhibitor packet at the Exhibits Office. These passes will be time stamped and must be given to the guard at the exit when you leave.

Golf Cart Services

The Golf Cart Committee continues to provide no-cost shuttle rides for customers to/from the ADA parking area and the main arena from 7:00 a.m. - 6:00 p.m. For safety reasons, we do not take passengers in and out of the flea market area. However, if you are in the flea market and you purchase a large or heavy item we do provide hauling service based on availability. To ask for such assistance, please visit the flea market office and we will assist you ASAP. Please understand there may be a delay as we are sometimes assisting other customers.



SCOOTERS

Arrangements may be made by contacting Scootaround Inc. toll-free at 1-888-441-7575, by email at info@scootaround.com, through their website at www.scootaround.com, or by fax at (204) 478-1172. Rental rate is \$165.00 based on a three-day period. Equipment will be available on site based on availability for \$65.00 a day. Advance reservations are encouraged. To pick up your scooter, please go to Door 26, see map on Pages 18-19.

TAXI INFORMATION

Miami Liberty Cab	937-222-2822
Checker Cab	937-222-4011
Antons	937-252-4756
Air City Cab.....	937-252-4444

Future Hamvention Dates

May 20, 21, & 22, 2016

May 19, 20, & 21, 2017

May 18, 19, & 20, 2018



Transportation & Parking (continued)

ADA PARKING

Hamvention does not have any public parking immediately at HARA Arena; however, it has been our desire and policy for many years to accommodate those individuals with special needs. We are very sensitive to those needs and have gone well beyond all regulations to secure (at extra cost to Hamvention) a limited number of spaces for these needs. Unfortunately, the demand for ADA/Handicapped parking continues to grow dramatically each year, and we simply are unable to accommodate everyone who requests a space.

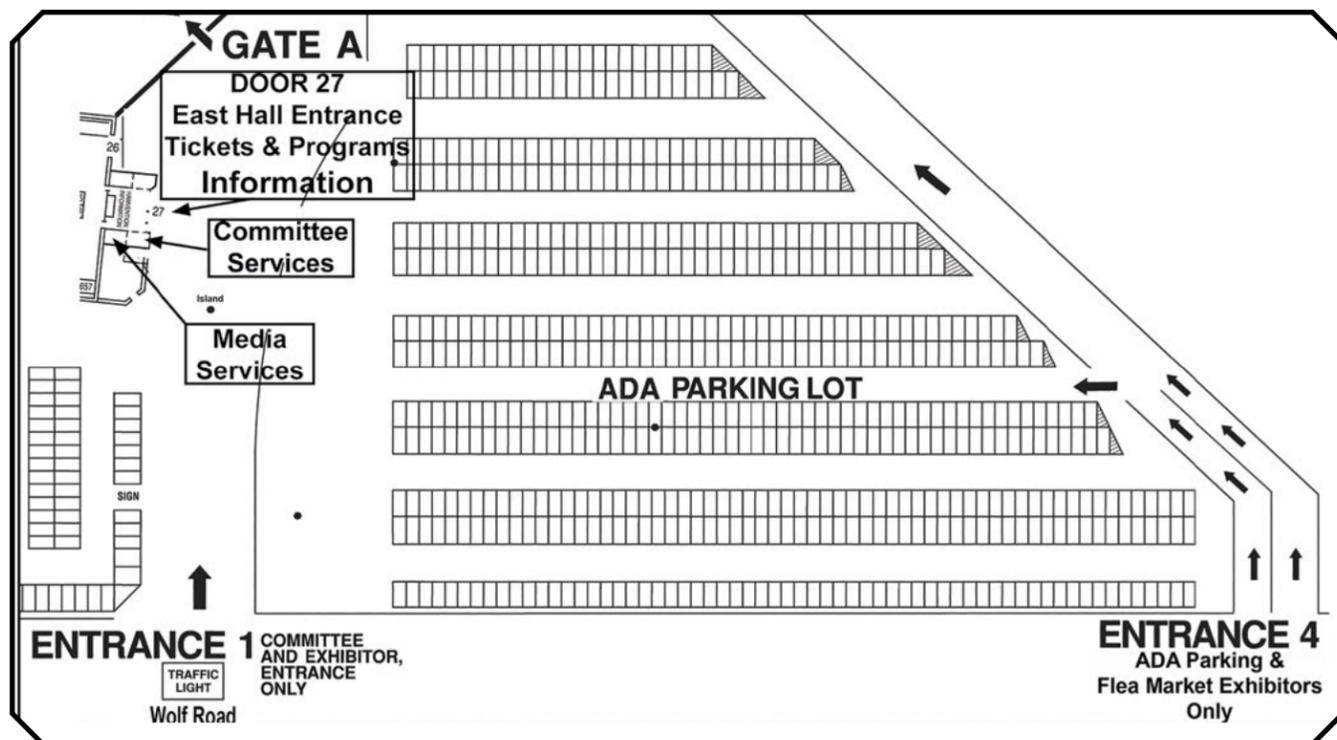
Therefore, as in past years, we require that you send with your ticket request a copy of your state issued ADA parking certificate and registration, along with an SASE, and we will process your request in the order in which it is received. Please remember, there are a very limited number of ADA/Handicapped parking spaces available, so get your request in early.

We have set aside 20 "Reserved" ADA Parking spaces for those individuals who were unaware of/or choose not to follow our recommendation to register early. Please understand if you choose to wait and just come to the show, the probability that you will find no ADA/Handicapped spaces available is extremely high.

Again, we **STRONGLY** urge you to send in your request early and in advance of the show.

The ADA parking fees remain the same as last year: \$10.00 per day per car and \$30.00 per day for campers, etc, payable at the gate. (Please note: Overnight campers, etc., are not permitted at Hara Arena.)

Please note: The buses running from Remote Parking to Hara Arena front entrance are ADA equipped.



Committee and Exhibitor Only Entrance
No left turn allowed from East Bound Traffic on Shiloh Springs
Enter from Wolf Road or West Bound Shiloh Springs

Welcome

NAN WHALEY
MAYOR

OFFICE OF THE MAYOR
CITY HALL • 101 WEST THIRD STREET
P.O. BOX 22 • DAYTON, OHIO 45401
(937) 333-3636 • www.daytonohio.gov

April 21, 2014

Greetings From The Mayor

Dear Friends:

On behalf of the City of Dayton, I am pleased to welcome the members of Hamvention held May 16-18, 2014 in Dayton, Ohio.

While we understand your focus during this event is to foster old friendships and develop new relationships, we also hope you will find the time to learn about our city.

Dayton is home to the Wright Brothers and the "Birthplace of Aviation;" therefore, it is only natural that many of our attractions would feature our aviation heritage. You can learn about the history of flight by visiting the Dayton Aviation Heritage National Historical Park, the Aviation Trail and the United States Air Force Museum, just to name a few.

I extend my very best wishes for a rewarding and memorable event in 2014 and beyond.

Sincerely,
Nan Whaley
Nan Whaley
Mayor
City of Dayton

TROTWOOD
Together We Are Creating a Bright Future

3035 Olive Road • Trotwood, Ohio 45426-2008
Phone: (937) 837-7771 • Fax: (937) 854-0574
www.trotwood.org

Trotwood City Council
Joyce Sutton Cameron, Mayor
Barbara J. Stogin, Vice Mayor, At-Large
Bruce D. Kettler, At-Large
Bettye L. Gales, Ward 1
Roy Hamilton, Ward 2
Ron Vaughn, Ward 3
Mary A. McDonald, Ward 4
Sandy Siege, CMC, Clerk of Council

Mayor Joyce Sutton Cameron
Welcomes All Hamvention Attendees
May 15-17, 2015

On behalf of the City of Trotwood, Ohio, I am pleased to extend greetings and a warm welcome to members of Hamvention to Trotwood, Ohio and the Greater Dayton area. The cities of Trotwood and Dayton are very proud of this event and Hara Arena as its venue for well over 40 years.

Trotwood and Dayton are partners in its focus during this event to foster old friendships and develop new relationships. Come and enjoy the many attractions to be found in the region.

I extend my very best wishes to you for a rewarding and memorable event in 2015 and beyond.

MONTGOMERY COUNTY

MONTGOMERY COUNTY ADMINISTRATION BUILDING
451 West Third Street
P.O. Box 972
Dayton, Ohio 45422-1110

COUNTY COMMISSIONERS
Judy Dodge
Dan Foley
Deborah A. Lieberman

COUNTY ADMINISTRATOR
Joseph P. Tuss

Greetings To:

All Participants of the Dayton Hamvention
May 17-19, 2013

As Commissioners of Montgomery County, we would like to welcome you to our region for participation in the Dayton Hamvention Convention. We believe the offerings of Dayton and Montgomery County will be enjoyable for you and, most importantly, all the attendees of your convention.

As you will discover, this area is rich in heritage, history, culture, and diversity. Our fine museums, attractions, shopping, and dining establishments will undoubtedly prove their outstanding reputations to you during your stay.

While you travel about the Dayton region, we believe you will realize the many advantages of selecting this area for your event. We stand ready to support all of your efforts and are certain you will find equal enthusiasm from our Convention & Visitors Bureau as well as the entire hospitality community.

Again, we welcome you to Dayton/Montgomery County and look forward to your return visit.

Sincerely,

Dan Foley Dan Foley, Commission President
Deborah A. Lieberman Deborah A. Lieberman, Commissioner
Judy Dodge Judy Dodge, Commissioner

Hamvention®
Phone Numbers

Emergency (937) 276-6930

Inside Exhibits (937) 276-6931

Flea Market (937) 276-6932

Prizes (937) 668-5311

Comments Invited!

Comments on your experiences at the Dayton Hamvention® should be addressed to the following:

General Chairman
Dayton Hamvention®
P.O. Box 964
Dayton, Ohio 45401-0964



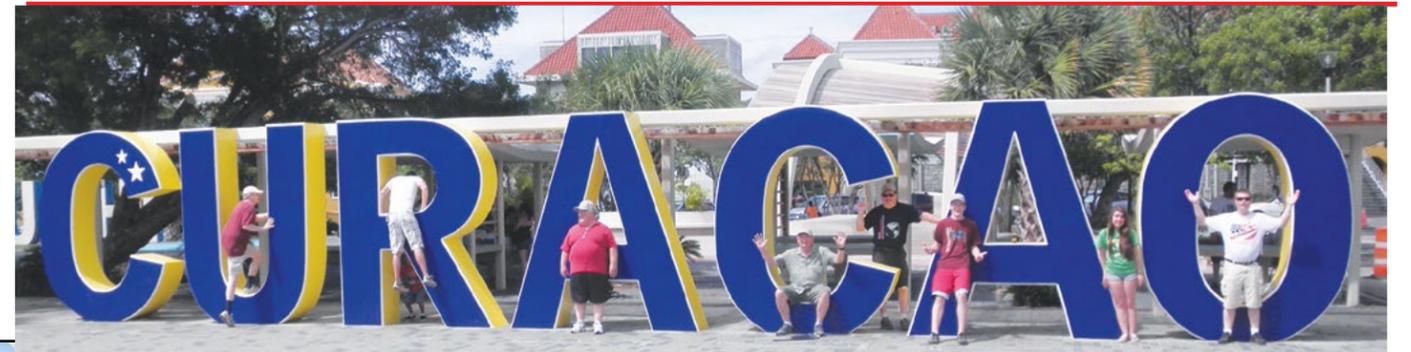
DARA Club House and Communication Truck



DARA Club House
Open House Hours:
Friday 6:00 p.m.-8:00 p.m.
Saturday 6:00 p.m.-8:00 p.m.



Youth DX Expeditions



In 2014 the Dave Kalter (KB8OCP, SK) YDXA memorial youth group traveled to PJ2T in Curacao. For 4 days in July the youth operators became "The DX" Putting 4500 q's in the log the youth team did a great job working all 50 states, 200 band countries and every continent on the globe.

All funding for the YDXA is raised by the youth operators with raffles, t-shirt sales and a booth at the Dayton Hamvention® Many radio clubs around the country also contribute funding as well as manufacturers donating equipment. There is no cost to the youth operators or their accompanying parent to make this trip. DARA continues to support the YDXA.



Multi Day Events

Thu, May 14, 11am – Fri, May 15, 2am

Holiday Inn Dayton/Fairborn I-675, 2800 Presidential Drive, Fairborn, OH 45324, United States

Registration opens (7am)

Seminars (8am - 4.30pm)

Eric Swartz, WA6HHQ

George Dobbs, G3RJV

Jay Slough, K4ZLE

Jim Everly, K8IKE

Mike Bryce, WB8VGE

Paul Darlington, M0XPD

Glen Popiel, KW5GP

+ others

Vendor Evening (8pm - 10pm)

'Meet the Speakers' (8pm - 10pm)

Fri, May 15, 7:30am – 10:00pm

Buses to Hamvention (7.30am - 9.30am)

Buses back to hotel (3.30pm - 5.30pm)

Buildathon (3pm - 8pm)

QRP Club Night (8pm - 10pm)

Show and Tell (8pm - 10pm)

Homebrew Competition (8pm - 10pm)

Sat, May 16, 7:30am – 10:00pm

Buses to Hamvention (7.30am - 9.30am)

Buses back to hotel (3.30pm - 5.30pm)

Buildathon (3pm - 8pm)

QRP Club Night (8pm - 10pm)

Show and Tell (8pm - 10pm)

Homebrew Competition (8pm - 10pm)

Pre-Hamvention® D-STAR Meet Greet and Eyeball QSO

Thu, May 14, 7pm – 9pm

Marion's Piazza, 1320 North Fairfield Road, Beavercreek, OH 45432,

D-STAR Training Class

Fri, May 15, 8am – 11am

Drury Inn & Suites North - Dayton, 6616 Miller Lane, Dayton, OH 45414,

The ultimate D-STAR training class, D-STAR InfoCon 2015, returns to Dayton Hamvention for the fourth year

to provide an introduction to D-STAR for the many new users getting on the air and more advanced topics for more experienced D-STAR users. The three-hour class will be held on Friday, May 15th beginning at 8:00am local time. It will be held at the Drury Inn at 6616 Miller Lane in the heart of hotel row near Hamvention. This year's topics will include basic D-STAR operation, programming for all models of D-STAR radios, using DR Mode, downloading and updating your radio memories and using other D-STAR devices. All registered class participants will receive a D-STAR InfoCon mouse pad and are eligible to win an ID-51A Anniversary Edition dual-band D-STAR handheld to be given away during the class. The cost of the class is \$20.00 and includes all course material. Pre-registration is required and seating is limited. Registration and payment via PayPal can be found at www.dstarinfo.com. For more info, send an email to info@dstarinfo.com.

Friday Night D-STAR

Fri, May 15, 6:30pm – 8:30pm

The Georgia D-STAR Group will again host Friday Night D-STAR at the Drury Inn Ballroom, 6616 Miller Lane. Join us for presentations from the D-STAR experts around the world. Learn what's new in D-STAR with the latest hardware, software and accessories. Talk with the innovators and ask questions. Meet your favorite D-STAR contacts from around the country. Light refreshments will be available. All attendees are eligible to win an Icom ID-51A Anniversary Edition handheld radio to be given away during the meeting.

AMSAT Dinner @ Tickets

Thu, May 14, 10pm – Fri, May 15, 1am

Tickets Pub & Eatery, 7 West Main Street, Fairborn, OH 45324

The sixth annual AMSAT (Radio Amateur Satellite Corp.) "Dinner at Tickets" party will be held Thursday at 1800 EDT at Tickets Pub & Eatery at 7 W. Main St, Fairborn, OH. Great selection of Greek and American food and great company! No program or speaker, just good conversation. Food can be ordered from the menu; drinks (beer, wine, sodas and iced tea) are available at the bar. Leave room for dessert; there's an in-house ice cream shop! Come as you are. Bring some friends and have a great time the night before Hamvention.

Contest University

Thu, May 14, 11am – 9pm

Crown Plaza Hotel, Dayton OH

Contest University will be held on Thursday May 14, 2015, from 7:00 am to 5:00 p.m., at the Crowne Plaza Hotel in Dayton, Ohio. This is the day before the Dayton Hamvention officially opens. Don't miss this rare opportunity to gain knowledge that may take you years of practice, trial and error or lost time to learn otherwise. Get the edge to improve your scores and put your station in the winners circle today! Advance registration is needed. <http://contestuniversity.com>

Contest Super Suite

Thu, May 14, 7pm – Fri, May 15, 2am

Crowne Plaza Dayton, 33 East 5th Street, Dayton, OH 45402.

Wed. May 13 thru Sat. May 16, 2015

7pm - 2am Each Night

Crowne Plaza, Dayton OH

2nd floor – Harding, McKinley, Garfield and Harrison rooms

Wednesday, May 15

Contest University registration from 8 PM to 10 PM.

10:30 PM Pizza Party Sponsored by Contest University 2014.

Thursday, May 16

10:30 PM Pizza Party Sponsored by K8CC, K3WW and K3LR

Friday, May 17

10:00 PM Spurious Emission Band performs live in the Presidential Ballroom.

11 PM Pizza Party Sponsored by the Patomac

AMSAT: Amateur Satellite Demonstrations

Fri, May 15, and May 16 Sat 9am – 4pm

Sun, May 17, 9am – 11am

Hara Arena Conference & Exhibition Center Door 1 Description

Amateur Satellite operation demonstrations will be held outside the Ball Arena entrance. AMSAT will be demonstrating actual contacts with the operational amateur satellites every day. We especially want to invite youth to make a contact via an amateur satellite. All are invited to observe, participate and ask questions. Satellite pass times will be posted at the AMSAT booth (433-435, 444-446) and in the demo area.

AMSAT/TAPR Banquet

Fri, May 15, 6:30pm – 9:00pm

Kohler Presidential Banquet Center, 4572 Presidential Way, Kettering, OH 45429

The ninth annual AMSAT/TAPR Banquet will be held on Friday night, May 15, at 1830 EDT. This dinner is always a highlight of the AMSAT (Radio Amateur Satellite Corp.) and TAPR (Tucson Amateur Packet Radio) activities during the Dayton Hamvention.

This year's speaker will be Michael Ossmann, AD0NR, "Adventures of a Hacker Turned Ham"

Michael Ossmann, AD0NR, grew up as a computer nerd embracing the hacker ethos. Eventually Michael became very interested in the security of wireless systems such as remote keyless entry, garage door openers, Wi-Fi, and Bluetooth. He designed Ubetooth One, a Bluetooth sniffer that was successfully funded on Kickstarter. Not one to rest, Michael later designed and successfully funded HackRF One, an open source SDR platform that attracted the attention of the amateur radio community. Michael will talk about his unique perspective on the community as an outsider looking in, why he resisted getting a license for years, and why he finally decided to join. Michael will also share his thoughts on what it means to be a hacker, what it means to be a ham, and what amateur radio may look like in the decades to come.

Tickets (\$35 each) must be purchased online in advance on the AMSAT website at www.amsat.org through the AMSAT Store tab. Tickets will not be sold at the Hamvention or at the door. Tickets purchased online may be collected at the AMSAT booth (433-435, 444-446). The Banquet will take place at the Kohler Presidential Banquet Center, 4572 Presidential Way, Kettering, OH 45429 (just south of Dayton). The cash bar will open at 1830 EDT, with the dinner commencing around 1900 EDT.

SPACE FEST

Visit the National Museum of the U.S. Air Force on May 15-16 for a multitude of exciting space-related activities! The museum and a number of partner organizations will offer hands-on activities for all ages, including special appearances by astronauts, a 5K fun run/walk and 1-mile kids' race, a star-gaze with telescopes, a chance to see the museum's Space Shuttle Exhibit, model rocket building and launching, and much more. Admission to most activities is FREE! More information, including a detailed schedule is available at www.nationalmuseum.af.mil/spacefest.asp.



Top Band Dinner – 26th Annual event

Fri, May 15, 10:15pm – Sat, May 16, 2:15am
 TopBand Dinner – 26th Annual event
 Crowne Plaza Hotel downtown Dayton– Presidential Ballroom
 Friday evening, May 15, 2015
 6:15 PM social hour
 7:30 PM Dinner
 Dinner program by Bob Allphin, K4UEE on the K1N TopBand operation
 TopBand hospitality
 Reservations in advance – limited seating
 Please go to <http://topbanddinner.com> for tickets and information

Collegiate Ham Radio Dinner

Fri, May 15, 7pm – 9pm
 Little York Tavern & Pizza, 4120 Little York Road, Dayton, OH 45414
 What: Collegiate Ham Radio Dinner
 When: Friday, May 15, 7pm
 Where: Little York Tavern & Pizza, 4120 Little York Rd, Vandalia, OH 45414
 Organizer: Sam Rose KC2LRC, on behalf of the Clarkson University Amateur Radio Club
 Contact: kc2lrc@gmail.com - 315-491-2634

The Collegiate Ham Radio Dinner is a get-together of current and past collegiate ham radio operators, and anyone who shares an interest in college ham radio clubs and activities. Come meet members and alumni from clubs across the country, share your college ham radio experiences, and discuss the projects and activities you've done! High school students looking at colleges are encouraged to attend as this is an excellent opportunity to get an idea of what a college ham radio club has to offer.

This event is being organized by Sam Rose, KC2LRC, on behalf of the Clarkson University Amateur Radio Club. Everyone is welcome! Feel free to contact Sam with any questions at kc2lrc@gmail.com. RSVPs are appreciated but not required.

23rd Annual Dayton Contest Dinner

Sat, May 16, 5:30pm – 10:00pm
 Crowne Plaza Dayton, 33 East 5th Street, Dayton, OH 45402, United States (map)

The North Coast Contesters are proud to announce The 23rd Annual Dayton Contest Dinner. Master of Ceremonies for the Dayton Contest Dinner is John Dorr, K1AR. The 2015 CQ Contest Hall of Fame Inductions will be formally announced by Randy Thompson, K5ZD. The keynote dinner speaker will be ARRL President Kay Cragie, N3KN. The Contest Dinner will be held on Saturday night, May 16, 2014 at 6:30 PM. Cash bar opens at 5:30 PM. Located at the Crowne Plaza Hotel (Official Contest Hotel) 5th and Jefferson Streets (Next to the Convention Center) Dayton (Downtown), Ohio in the PRESIDENTIAL BALLROOM. Seating is random. Tables are set in rounds of 10. Tickets are only available on <http://www.contestdinner.com> Many contest operators from around the world attend this event. If you enjoy radio contesting, you do not want to miss this Contest Dinner in Dayton, Ohio. There are no tickets available at the door.

SWODXA DINNER

The SouthWest Ohio DX Association (SWODXA) has announced that 'C82DX – Plan, Plan, and Plan again, Murphy still makes a visit!' will be the keynote topic for their 30th annual DX dinner®. The dinner, held in conjunction with the 2015 Dayton Hamvention®, will be on Friday, May 15th, at the Marriott Hotel in Dayton. N1DG and N4XP will be the presenters.

Don Greenbaum, N1DG, grew up in New York City and the NJ Shore. His father, WA2UDV, was his radio mentor and two other siblings also had their licenses by the time Don became WN2DND at age 11 in 1962. Don has been on several major DXpeditions including VP8ORK, K4M and A52A. He has also operated as A61AD, A51DG, C91DG, A73A, and /KH9, /VP9, /VS6, /BV2, /4X and /9V. His latest DXpedition was to C82DX which he co-led with N4XP.

He has been webmaster for over 50 DXpeditions. In 2005 Don was honored at Dayton by CQ Magazine by being inducted into the CQ DX Hall of Fame. In 2009 Don was one of the founding members of the CW Operators' Club (member number 2). He is Treasurer of the Northern California DX Foundation and has authored several articles on the rising costs and financing of major DXpeditions.

Tom Harrell, N4XP, was first licensed in 1960 as KN4TSJ in Norfolk VA but upgraded quickly to K4TSJ at the age of 15. After working a "YU" as a novice, DX was discovered and became a prime interest which is as strong today as in those early years. Previous calls include V73XP, OK8XP, ON9CXP, ZK1XXP, AL7EL, K4TSJ and W8FCI.

Tom, currently credited with 365 entities also holds DXCC #1 Honor Roll; CW, Phone, and Mixed Honor Roll; 9 Band DXCC; 5BWAZ (190); CQ DX – SSB & CW; WPX – CW, SSB and Mixed.

Tom has led DXpeditions to Wake Island as AL7EL/KH9, KH9/AL7EL, and N4XP/KH9 and North Cook as ZK1XXP. He co led DXpeditions to C82DX in Mozambique and K4M on Midway with N1DG and K5K on Kingman Reef with NI6T. In all Tom has either visited or operated from 41 countries.

Annual CW Pileup Competition

Kansas City DX Club Hospitality Suite
 Dayton Crowne Plaza Hotel - Suite 525
 Saturday nights beginning at 8:00 p.m.

Competition History and Details:

The Kansas City DX Club has hosted its hospitality suite at the Dayton Crowne Plaza Hotel on Hamvention weekend every year since 1980. That same year, the club introduced its popular CW Pileup Competition, which was an instant hit, and quickly became a "must-do" for contesters and DXers from all over the world.

The format is straightforward - Participants are seated at a table in an adjoining room, and are given a set of headphones and a laptop. They are charged with copying as many calls as possible from a pileup of about 100 calls. The pileup file (created anew each year by Russ, KØVXU) simulates a possible "on the air" experience, with some calls sent once, some twice, at varying speeds and pitches. Some calls are "in the clear", but many are on top each other. After about five minutes, the test is over, and the current participants are ushered out one door while six more enter from another.

The entries are scored automatically, and the scores are quickly transcribed to a results chart on the wall in the main hospitality suite.

Beginning with the 2011 competition, those visiting the hospitality suite are able to view a live "Morse Race" on the suite's big-screen TV! The display shows a live graph of the current participants as they actually copy calls, and the rankings are updated almost instantaneously as well. This exciting new aspect of the contest was created by Chuck, NO5W, whose software engine drives our entire system.

The last test is offered about midnight, and then great prizes, provided by generous donors from the amateur radio equipment industry, are presented to the winners.

If you make it to the Dayton Hamvention, don't miss this event...Saturday nights beginning at 8:00 p.m. You'll have a great time, and may take home a great prize!



2015 Dayton Hamvention Committee

2015 Dayton Hamvention Committee

Administration

General Chairman Jim Tiderman, N8IDS
Assistant General Chairman Ron Cramer, KD8ENJ

Administration.....	Phone Line / Info Chair Women.....	Shirley Roberts.....	N8LX
Administration.....	Mail / ScootAround.....	Tom Reynolds.....	KC8AEU
Administration.....	Hara Laison.....	Lee Boeckerman.....	W8LFB
Administration.....	Ambassador at large.....	Ron Moorefield.....	W8ILC

COMMITTEES

Advance Registration.....	Chairman.....	Mattix Mark.....	WA8NGY
Advance Registration.....	Assistant Chairman.....	Reynolds Tom.....	KC8AEU
ARRL.....	Liaison Chairman.....	Brown Ross.....	WA8DQH
ARRL.....	Liaison Assistant Chair.....	Tessneer Mark.....	KB8ZR
Awards.....	Chairman.....	Crawford Dave.....	KF4KWW
Awards.....	Assistant Chair Woman.....	Krodel Nancy.....	KC8RMT
Booth Tracker.....	Chairman.....	Coy Steve.....	K8UD
Committee & Volunteer Services.....	Co-Chairperson.....	Everetts Hazel.....	N8PTL
Committee & Volunteer Services.....	Co-Chairperson.....	Everetts Jeff.....	N8IBW
Communications.....	Chairman.....	Crawford Mike.....	KC8GLE
Communications.....	Assistant Chairman.....	Baker Bob.....	N8ADO
DARA Booth.....	Chairman.....	Thuermer Jon.....	KB8SRQ
DARA Booth.....	Assistant Chair.....	Jebens Susan.....	KD8AFP
Finance.....	Chairman.....	Kalter Mike.....	W8CI
Finance.....	Assistant Chair.....	Beafore Frank.....	WS8B
Flea Market.....	Chairman.....	Tritch Dave.....	N8YFQ
Flea Market.....	Assistant Chairman.....	Leeds Stan.....	KC7EHJ
Forums.....	Chairman.....	Hendricks Dave.....	N8HSO
Forums.....	Assistant Chairman.....	Scott Terry.....	NV8E
Forums.....	Assistant Chairwoman.....	Holmes Barb.....	N8EYW
Golf Carts.....	Chairman.....	Buehler Mike.....	N8XGA
Golf Carts.....	Assistant Chairman.....	Sheline Joe.....	KD8AQH
Inside Exhibits.....	Chairman.....	Markland Brian.....	N8UDQ
Inside Exhibits.....	Assistant Chairman.....	Gauder Rob.....	WD8CXV
International Relation.....	Chairman.....	DesCombes Gary.....	N8EMO
International Relation.....	Assistant Chairman.....	Gavin Joe.....	NC8D
License Exams.....	Chairman.....	Puckett Dan.....	WD8AAU
License Exams.....	Assistant Chairman.....	Jebens Chris.....	KZ8XU
Live Streaming.....	Chairman.....	Simpson Jim.....	WB8QZZ
Mailing.....	Chairman.....	Cornett Jerry.....	KD8TVP
Mailing.....	Assistant Chairman.....	Kaiser Charles.....	KD8JZR
Marketing.....	Chairman.....	Wright Chuck.....	K8MDB
Marketing.....	Assistant Chairman.....	Myers Scott.....	AC8DE
Media.....	Chairman.....	Ruminski Henry.....	W8HJR
Media / Info.....	Assistant Chairman.....	Ruminski Janey.....	KB8PMF
MIS.....	Chairman.....	Shaw Jim.....	AL7BA
MIS.....	Assistant Chairman.....	Stauber Art.....	W8AJS
Phone Line/ Info.....	Chairwoman.....	Roberts Llyn.....	N8LXK
Prizes.....	Chairman.....	Holmes Tom.....	N8ZM
Prizes.....	Co-Assistant Chairman.....	Pitsch Bob.....	KD8YRI
Prizes.....	Co-Assistant Chairman.....	Nies Jim.....	WX8F
Programs & Publications.....	Chairman.....	Miller Jerry.....	WD8QAI
Programs & Publications.....	Assistant Chairman.....	Holmes Barb.....	N8EYW
Security.....	Chairman.....	Murphy Greg.....	KB8SWM
Security.....	Assistant Chairman.....	Apple Larry.....	N8MYQ
Special Event Station.....	Chairman.....	Bodey Jerry.....	N8OWV
Special Event Station.....	Assistant Chairman.....	Force Marvin.....	KB8MUV
Talk-In.....	Chairman.....	Lunsford Rob.....	KB8UEY
Talk-In.....	Assistant Chairman.....	Gibbs Rob.....	KD8HSV
Transportation.....	Chairman.....	Peterson David.....	K0DHP
Transportation.....	Assistant Chairwoman.....	Peterson Stacey.....	
Visual Information.....	Chairman.....	Koogler Steve.....	K8DZ
Visual Information.....	Assistant Chairman.....	Forbes Dave.....	KD8FO
Webmaster.....	Chairman.....	Rieben Richard.....	KE4WLE
Webmaster.....	Assistant Chairman.....	Rieben Craig.....	W7CLR
Membership (DARA).....	Chairman.....	DeVoe Jeff.....	K8JTD
Membership (DARA).....	Assistant Chairman.....	Serrato William.....	KD8GIK



First Row Left to Right Kneeling:

Joe Sheline, Art Stauber, Jim Shaw, Marvin Force, Bob Baker, Dave Tritch, and Jack Gerbs.

Second Row, Left to Right Sitting:

Jim Tiderman, Ross Brown, Nancy Krodel, Hazel Everetts, Susan Jebens, Janey Ruminski, Joe Gavin, Gary DesCombes, Steve Coy, and Tom Reynolds.

Third Row Left to Right Standing:

Jeff Everetts, Jerry Cornett, Steve Koogler, Jim Nies, Jerry Bodey, Chuck Wright, Stan Leeds, Mike Kaler, Mike Buehler, Chris Jebens, Ron Cramer, Mark Mattix, Dan Puckett, Henry Ruminski, Jeff DeVoe, Dave Crawford, Rob Lunsford, Dave Hendricks, and Terry Scott.



Exhibitors

10-10 International Net, Inc	BA0409
AA Computer Warehouse	EH0564, EH0570
ABR Industries	HA0076
Air Chair	EH0577, EH0578
ALEXLOOP	HA0027
Alfa Radio	NH0193, NH0205
Algoram	HA0077, HA0075
ALINCO / REMTronix Inc	HA0054, HA0055
Alpha Antenna	HA0011, HA0012, HA0013
Amateur Television Network	NH0236
American Morse Equipment	BA0486
American Radio Relay League	BA4000
Ameritron	HA0081, HA0082
AMSAT (Radio Amateur Satellite Corp.)	BA0444, BA0445, BA0446, BA0433, BA0434, BA0435
Andromace Enterprises	NH0229, NH0230, NH0231
Array Solutions	EH0606, EH0607, EH0608, EH0613, EH0614, EH0615, EH0620, EH0621, EH0622
Arrow Antenna	BA0442
Aventas / Winradio	EH0640, EH0644
Aventrade	NH0199
Batteries America	NH0121, NH0122, NH0127, NH0128
Battleship New Jersey Amateur Radio Station	SA0351
Begali Keys	BA0467, BA0466, BA0473, BA0474
Bird Technologies Group / TX RX Systems	BA0413, BA0414
BlueMax49ers	EH0547
Bonito Radiocom Wavecom Computer INTL	HA0048
BRIDGECOM SYSTEMS, INC	SA0316
Buckmaster Publishing	SA0333
Buddipole	HA0016, HA0017
Byonics	NH0223
Capitol Electronics, Inc	EH0585
Civil Air Patrol - WPCS	BA0419
Coaxial Dynamics	BA0401
Collins Collectors Association	EH0508, EH0509
Comet Antenna / Daiwa Meters	HA0056, HA0057, HA0058
Connect Systems Inc	BA0437
Courage Kenny Handiham Program	SA0330
Cushcraft Amateur Radio Antenna	HA0014, HA0015
CW Operators Club	BA0443
Davey Holdings LLC	BA0418
Davis Instruments	NH0238, NH0239
Dayton Chapter of the American Red Cross	SA0317
Dayton Skywarn	SA0320
DC Power LLC	SA0352, SA0353
Debco Electronics	NH0132, NH0133, NH0134, NH0135
Dedicated RF, LLC	EH0540
Diamond Antenna	BA0477, SA0365, SA0364
Dishtronix	EH0628
DMR-MARC	BA0449
Dollar Dude	NH0179, NH0180, NH0191, NH0192
DX Engineering	HA0000, HA0001, HA0002, HA0003, HA0004, HA0005, HA0006, HA0007
DZKit	NH0220, NH0221, NH0232, NH0233
Ears To Our World	BA0411
ELAD USA Inc	EH510
Electcraft Inc	NH0184, NH0181, NH0182, NH0183
Electro Mavin	NH0258, NH0259
Electronic Associates	NH0202, NH0214
Electronic Products Design	BA0478
ELECTRONIC RAINBOW IND., INC	NH0235
Emergency Radio Service Inc	AA0099
EMP Solutions	EH0541
Engelhaupt Embroidery	SA0359, SA0360
Escitec	EH0536
ETA International	BA0429, TESTING ROOM
Expert Linears America LLC	EH0525, EH0526
ExpertAmps USA	BA0458, BA0447
EZ Hang Inc	EH0588
EZNEC Antenna Software	EH0514
Fists CW Club	NH0136
Flash USB Depot	EH0630, EH0631
Flexradio Systems	SA0323, SA0324, SA0325, SA0312, SA0313, SA0314
Follrod Sales	EH0643, EH0645, EH0629
Forbidden Knowledge	EH0652
Force 12 Inc / InnovAntennas America	SA0340, SA0341
Foundation for Amateur Intl Radio Service	NH0222
Futronics	HA0030
GAP Antenna Products	AA0114, AA0115
GigaParts (Apache Labs)	NH0116, NH0117, NH0118, NH0119
Gold Medal Ideas	NH0241
G-QRP Club	EH0530, EH0531
Green Heron Engineering	AA0106
Ham Nation	HA0100
Ham Radio Class	AA0100, AA0108
Ham Radio Deluxe / W4PC Software	HA0020, HA0021, HA0022, HA0023
Ham Radio Outlet	HA0049
Ham World, Inc	EH0518
HamRadioSchool.com	EH0544, EH0545, EH0546
Hamsource	EH0625, EH0626
HamTestOnline	AA0101, AA0102, AA0103, AA0104, AA0105
Heil Sound LTD	EH0648, EH0649
Hilberling USA	BA0408
Hip Ham Shirts	NH0164
HobbyPCB	HA0024, HA0025, HA0026
Hy-Gain	EH0527, EH0528, EH0539
Hytech Marketing	HA0033, HA0034, HA0035, HA0036, HA0037, HA0008, HA0009, HA0010
ICOM America Inc	NH0175, NH0176
ICOM America Inc	BA0457
Information Radio	SA0303
Import Communications	BA0488
Infatech	NH0260
Infratech	HA0028, HA0029
INLogis Inc	BA0455
International Antenna Company	BA0430
Internet Labs, Inc	HA0059, HA0060, HA0061
iPortable	SA0322
Jericho Prints	EH0566, EH0567, EH0572, EH0573
Jetstream	NH0187
JJ Surplus	NH0190
JK Antennas	BA0440
JT Communications	HA0050, HA0051, HA0052, HA0053, HA0054, HA0070, HA0071, HA0072, HA0073
KB3IFH	EH0519
Kent Morse Keys	EH0554, EH0555
Kenwood USA Corporation	EH0627
Kenwood USA Corporation	EH0575
Kessler Engineering LLC	EH0576
KF7P Metalwerks	NH0262
LeafFilter Gutter Protection	NH0206, NH0207
Lido Mounts	NH0201
Lightning Bond Adhesives	
Little Giant Ladder System	
LnR Precision Inc	
Lunar-Link International	

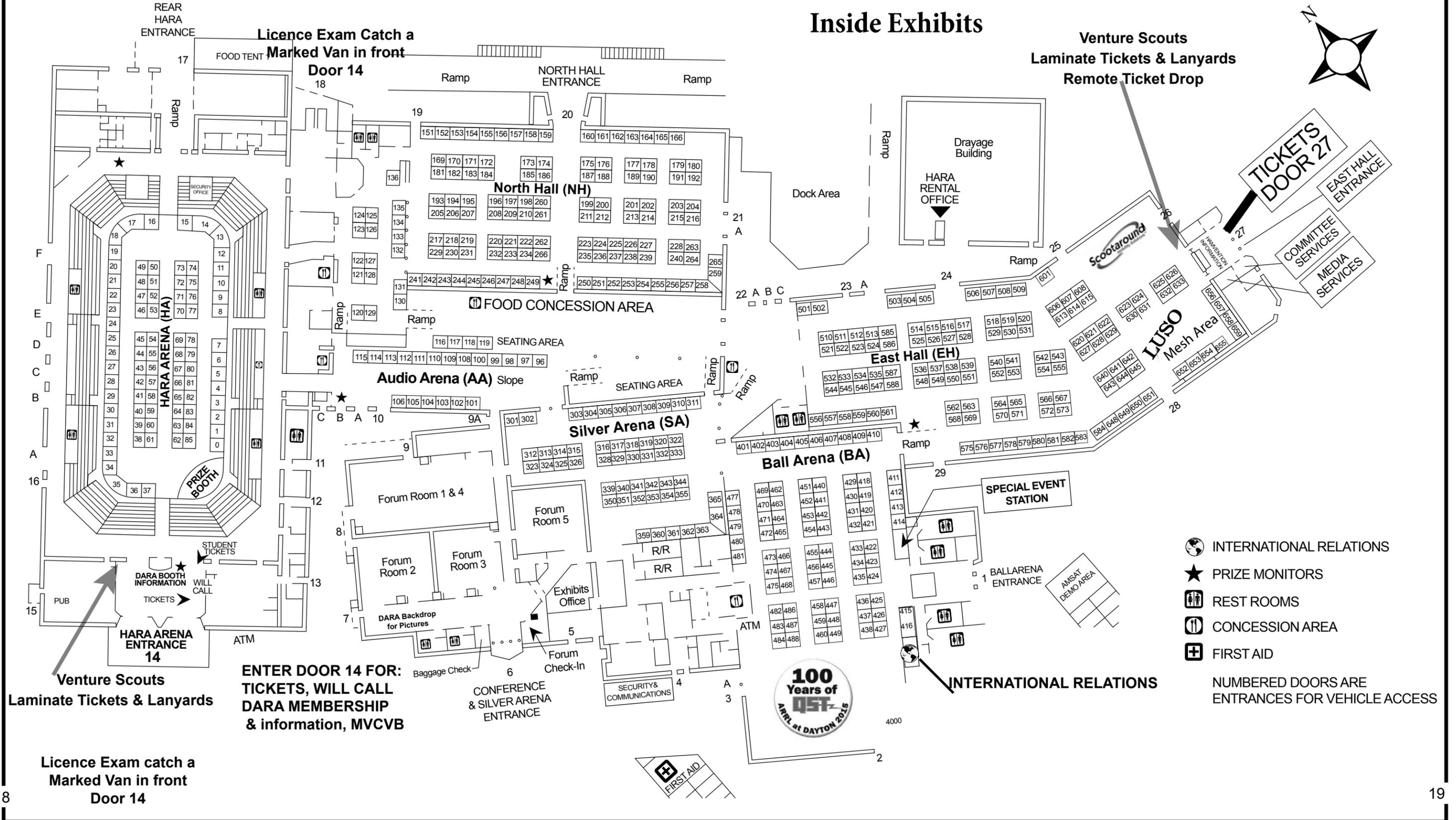
Exhibitors

LUSO Super-Techno	EH5000
M2 Antenna Systems, Inc	EH0650, EH0651
Main Trading Company	NH0196, NH0197, NH0208, NH0209, NH0261, NH0198
MARAC	Refund Issued
MARCO - Medical Amateur Radio Council	BA0448
MARS, Combined MARS	SA0318, SA0319
Mastrant	EH0543
Matrix Circuits	EH0520
MCM Electronics	SA0307, SA0308, SA0309, SA0310, SA0311
Messi & Paoloni Srl	BA0483
MFJ Enterprises, Inc	HA0062, HA0063, HA0064, HA0065, HA0066, HA0067, HA0083, HA0084, HA0085
Miami Valley Mesh Alliance	EH0655, EH0656, EH0657, EH0658, EH0659
Michigan QRP	NH0242
MicroLog by WA0H	SA0339
Midwest VHF/UHF Society	SA0332
Millner-Haufen Tool Company	NH0200
Mini-Circuits	BA0482
Mirage/Vectronics	HA0080
Morse Telegraph Club, Inc	SA0306
N3ZN Keys, LLC	BA0422, BA0423, BA0424
N4PY Software	NH0228
National Federation of the Blind & The Unseen Bean	SA0305
National Voice of America Museum of Broadcasting	NH0244
New-Tronics	HA0031, HA0032
Northern California DX Foundation	NH0253
Nuts & Volts / Servo Magazine	HA0045
NW Digital Radio	EH0515
Ohio Area Repeater Council	BA0404
OMISS	BA0441
Origami Owl	NH0188
Palstar Inc	EH0583, EH0584
Peet Bros. Company, Inc	NH0151, NH0152, NH0153
Pignology LLC	BA0407
Portable Rotation	EH0529
Pro Audio Engineering	NH0195
Qatar Amateur Radio Society	BA0415, BA0416
QRP Works	NH0194
QRP-ARCI	NH0243
QSK, LLC	SA0331
QSO Radio Show	BA0403
Quarter Century Wireless Association	SA0328
Quicksilver Radio Products	BA0462, BA0463, BA0464, BA0465, BA0469, BA0470, BA0471, BA0472
R&L Electronics	HA0038, HA0039, HA0040, HA0041, HA0042, HA0043, HA0044
R.A.I.N / 160 Meter G.R.N./Newsline	SA0329
Rabbit Laser USA	EH0501, EH0502
Radio Amateur Callbook (ITFM)	HA0046, HA0047
Radio Amateurs of Canada	BA0436
Radio City	EH0537, EH0538
Radio Club de Provins F6KOP	BA0459, BA0460
Radio Works	BA0431, BA0432
Rayfield Communications, Inc	BA0487
RC TOYS SALES AND SERVICE	NH0177, NH0178
Refurble Inc	EH0557
RF Parts	SA0363
RFinder - The Worldwide Repeater Directory	NH0246
Rig Expert	BA0456
RIGOL / EQUIPMENT.NET	EH0511, EH0512, EH0513

RKR Designs / Alpha Amplifiers / Ten-Tec	EH0548, EH0549, EH0550, EH0551
RM Italy & Sirio Antenna	EH0641, EH0642
Rohn Products, LLC	NH0124, NH0125
Rotor Concept, Inc	EH0556
RT Systems	NH0247, NH0248
SATERN	SA0350
Scanner Master Corp	BA0402
SCO Inc Software/Log Window	BA0405
Scotaround Inc	EH5010
SeedStudio	SA0342
Select Computer Resources	BA0484
Sierra Radio Systems	BA0406
Siglent Technologies USA, Inc	EH0504, EH0505
Sign Man of Baton Rouge	EH0568, EH0569
Sign Man of Ohio	NH0219
Silver Tip Antennas	BA0468, BA0475
Sinbad Glue	BA0438
SKCC Straight Key Century Club	NH0254
Society of Amateur Radio Astronomers / Radio Jove	BA0420, BA0421
Solar24	NH0129
SteppIR Antenna Systems	HA0068, HA0069, HA0078, HA0079
Super Antenna Systems Corp	BA0481
Suspender Man	BA0479, BA0480
TAPR (Tucson Amateur Packet Radio)	BA0451, BA0452, BA0453, BA0454
Tarheel Antennas	NH0157, NH0158, NH0159
Telepost Inc - N8LP	EH0516, EH0517
Tennadyne / Cubex	EH0552
The American Legion Amateur Radio Club	NH0245
The Competition	NH0263
The R.F. Connection	NH0154, NH0155, NH0156
The Radio Club of America	NH0225, NH0226
The Whistler Group	SA0343
The Wireman, Inc	NH0160, NH0161, NH0162, NH0163
Timewave Technology, Inc	AA0109
TOP-BEAM SYSTEMS INC	EH0653, EH0654
Totally Unique Enterprise	BA0410
Tower Electronics	NH0173, NH0174, NH0185, NH0186
Transel Corporation	SA0315, SA0326
Uncommon USA Flagpoles	EH0565
Universal Radio Inc	EH0506, EH0507
UPS Store	NH0165, NH0166
US Tower Corp	HA0018, HA0019, PL0001
VA2FSQ	NH0189
Vibroplex	NH0250, NH0251, NH0252
VIS Amateur Supply	NH0211
Vortex Antenna Systems	EH0563
W&W Manufacturing Co	EH0559, EH0560, EH0561, EH0558
W2IHY Technologies	AA0110, AA0111, AA0112, AA0113
W5YI Group - Gordon West Radio School	SA0355, SA0344
WA5KUB	SA0302
WA8JBT	EH0623
WB0W Inc	NH0169, NH0170, NH0171, NH0172
Webster Communications Inc	BA0425, BA0426, BA0427
West Mountain Radio	EH0579, EH0580, EH0581, EH0582
Western Case Company	NH0249
Wild Sage Native American Jewelry	EH0562
Yaesu - Vertex Standard	EH0521, EH0522, EH0523, EH0524, EH0532, EH0533, EH0534, EH0535, EH0586, EH0587
YLRL/Buckeye Belles	NH0234
Youth DX Adventure	SA0304



Inside Exhibits

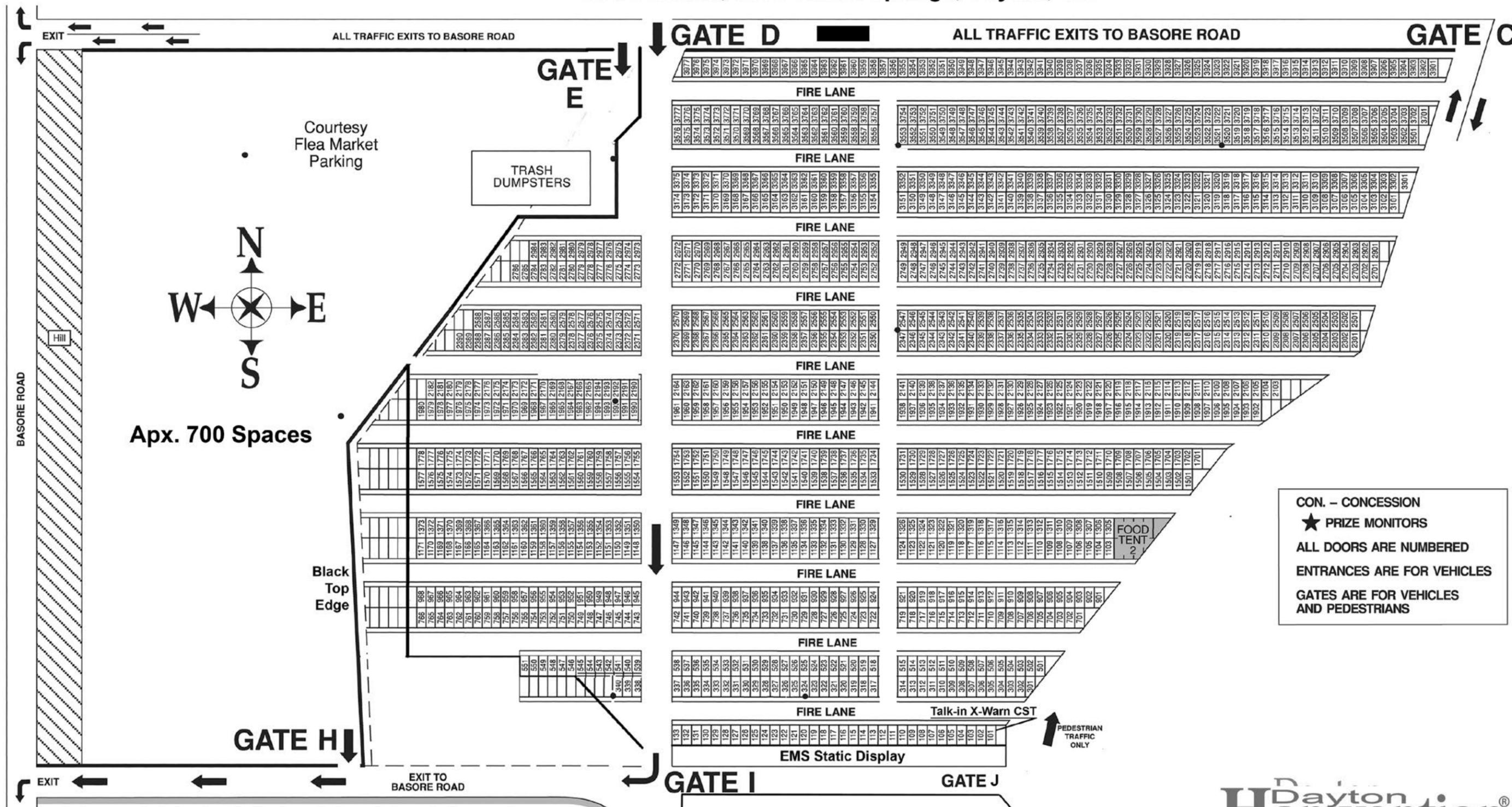


Maps

Maps

West Flea Market

HARA Arena, 1001 Shiloh Springs, Dayton, OH



CON. - CONCESSION
 ★ PRIZE MONITORS
 ALL DOORS ARE NUMBERED
 ENTRANCES ARE FOR VEHICLES
 GATES ARE FOR VEHICLES AND PEDESTRIANS

Dayton
Hamvention[®]
 Sponsored by Dayton Amateur Radio Association
 Since 1952

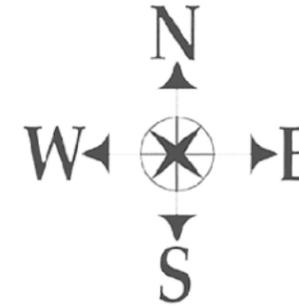
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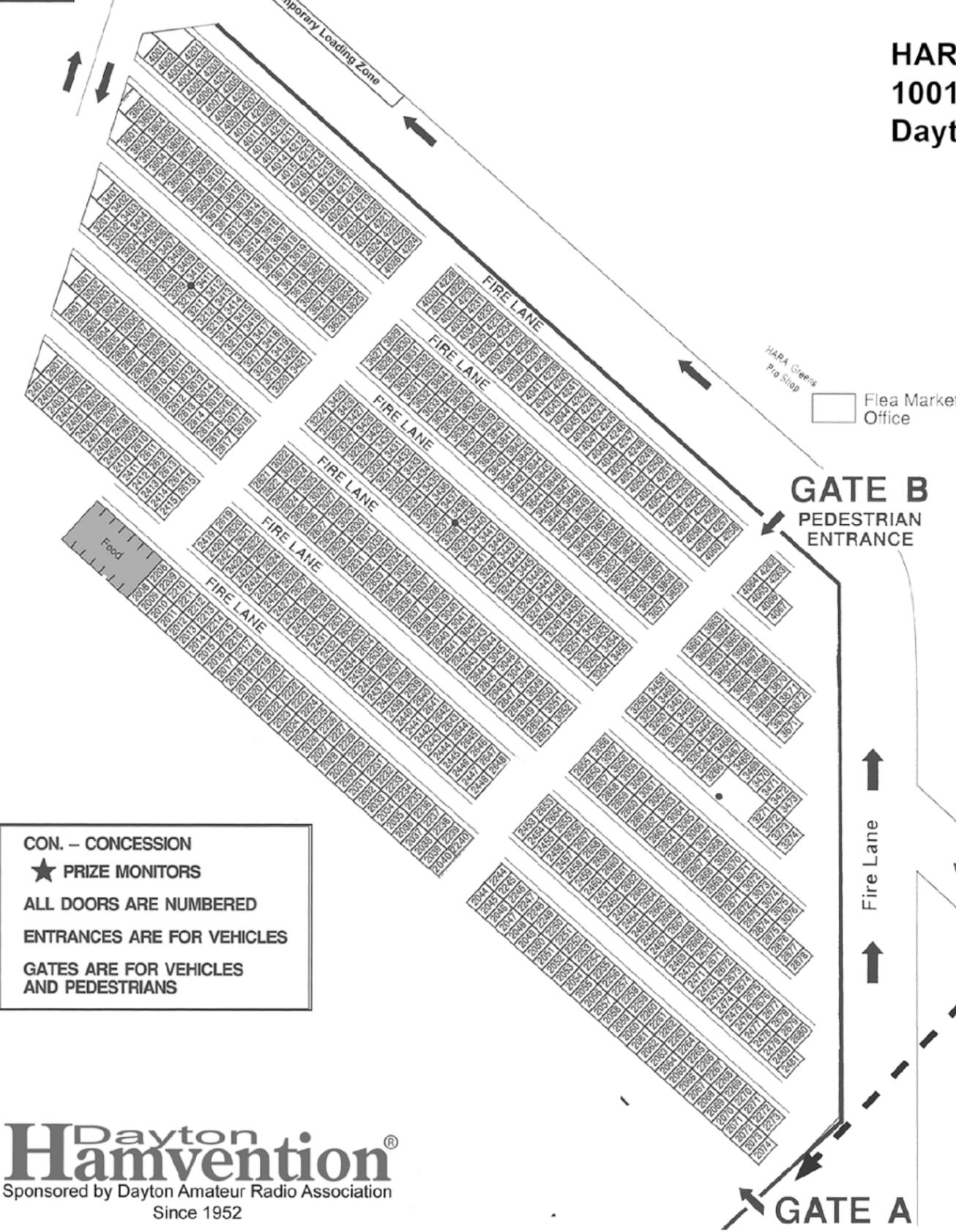


East Flea Market

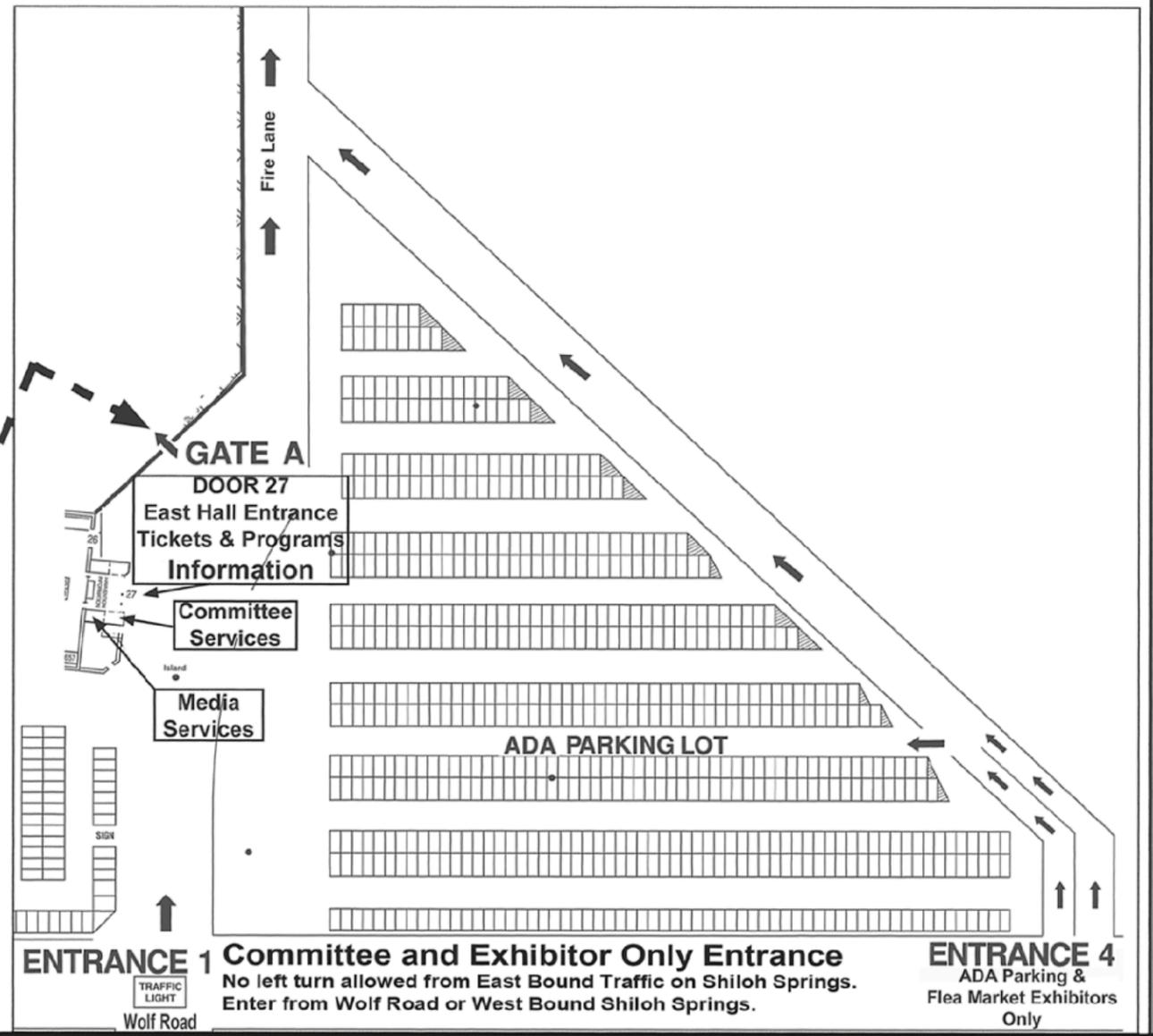
HARA Arena
1001 Shiloh Springs
Dayton, OH 45415



GATE C



Dayton Hamvention
Sponsored by Dayton Amateur Radio Association
Since 1952



Maps





ARRL EXPO 2015

Dayton Hamvention®

ARRL Exhibit & Activities Guide May 15-17, 2015

ARRL EXPO – Welcome!

ARRL, the national association for Amateur Radio®, welcomes all members and friends to Dayton Hamvention®. Use this handy guide to find ARRL-sponsored activities, exhibits and program representatives. ARRL EXPO is a large exhibit area located in the Ballarena Hall (near the 400-numbered booths).

Kay C. Craigie, N3KN – ARRL President Dale Williams, WA8EFK – Great Lakes Division Director
Thomas Delaney, W8WTD – Vice Director Scott Yonally, N8SY – Ohio Section Manager

100 Years of QST – Special Commemorative Reissue

Help us celebrate 100 years of ARRL's membership journal, QST. First published in December 1915, QST is the most widely read Amateur Radio magazine in the world. A century later, QST remains true to its original design as source of ideas, information, innovation and exploration—devoted entirely to Amateur Radio. The celebration has included winning photos from members on 2015 covers, and articles, columns, and cartoons republished from vintage issues. **Join us for the celebration by picking-up a commemorative reissue of the first QST—the December 1915 issue.** The special reprint is free when you join, renew, or extend your ARRL membership at Hamvention® (at the ARRL Store). The reprint is also free for ARRL Life Members. Additional copies are \$9.95 each.



ARRL Store

Visit the HUGE ARRL bookstore to purchase popular ARRL publications, join, renew or extend your ARRL membership, and pick up official ARRL merchandise.

- FREE Gift when you join, renew, or extend your ARRL membership at the show.
- BONUS Commemorative Reissue of the December 1915 issue of QST when you join, renew, or extend your membership at the show. **Free for ARRL Life Members.**
- FREE ARRL Dayton 2015 Button!

2015 ARRL Field Day Supplies – ARRL Field Day is June 27-28, 2015. Gear up for the most popular on-the-air operating event in Amateur Radio. Official T-shirts (choose from 2 colors), pins, hats, mugs, and posters are available.



Special Guest

Edward Michael “Mike” Fincke, KE5AIT – NASA Astronaut

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. **You can meet and greet Mike in the ARRL exhibit area (times and locations will be posted). Mike has also been confirmed as a Hamvention® forum speaker.**

ARRL Exhibits...

- ARRL Laboratory: Get Your Handheld Radio Tested!
- ARRL Development and ARRL Foundation
- TravelPlus for Repeaters™ software and ARRL Repeater Directory® mobile app demonstration.
- ARRL Volunteer Examiner Coordinator
- Public Service
- ARRL Media and Public Relations
- Support HR-1301 – Show your support for The Amateur Radio Parity Act of 2015.
- ARRL Education & Technology Program
- Reaching Out!—Learning with Amateur Radio – This interactive exhibit is presented by the West Chester Amateur Radio Association / National Voice of America Museum of Broadcasting WA8VOA.
- Radiosport and DXCC – DXCC Card Checking; ARRL Contests and Awards; QSL Bureau
- The ARRL Logbook of the World (LoTW)
- Ham Radio and Scouting
- ARRL Field Organization Volunteers – Visit this gathering area for ARRL Field Organization networking, hosted by the ARRL Ohio Section.
- National Traffic System (NTS)
- ARRL Visa® Card – U.S. Bank
- Home & Auto Insurance – Liberty Mutual Insurance



Meet representatives from the following organizations and national Amateur Radio societies in the ARRL EXPO exhibit area.

- The International Amateur Radio Union (IARU)
- Deutscher Amateur Radio Club (DARC) – Germany
- Japan Amateur Radio League (JARL)
- Qatar Amateur Radio Society (QARS)
- Radio Society of Great Britain (RSGB) – United Kingdom

ARRL-sponsored Forums (see forum schedule)

Friday, May 15

- ARRL Presents: Ham Radio and the Law: Getting Antennas Up and Keeping Them Up

Saturday, May 16

- ARRL Member Forum
Moderator: Dale Williams, WA8EFK, ARRL Director, Great Lakes Division
- ARRL Presents: The Doctor is In
Moderator: Joel R. Hallas, W1ZR, Contributing Editor, QST
- ARRL Presents: Astronaut Mike Fincke, KE5AIT

Sunday, May 17

- ARRL Presents: Engaging Youth in Ham Radio through Informal Education Opportunities
Moderator: Larry Kendall, K6NDL, Instructor, ARRL's Teachers Institute on Wireless Technology

THANK YOU!

ARRL expresses its gratitude to the 2015 Dayton Hamvention® Committee, Dayton Amateur Radio Association, and all the volunteers who contributed to the success of ARRL EXPO 2015 in Dayton, Ohio.

Major Prize Donor List for 2015

ARRL	Kenwood USA	Top-Beam Systems
Dayton Hamvention	M-2 Antenna	US Tower Corp
DX Engineering	Palstar	WB0W / Tarheel
Elad USA	RT Systems	WB0W Inc
ICOM America	SteppIR Antenna	Webster Alinco
JK Antennas	Times Micro Wave	Yaesu USA

The Major Prize Donor list recognizes donors whose aggregate donations exceeded \$600. We thank them for their generosity!

2015 Dayton Hamvention Prize Donors

AA Computer Warehouse	Comet Antenna / Daiwa Meters
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American Radio Relay League	DX Engineering
America's Chapter of Fists CW Club	ELAD USA Inc
AMSAT (Radio Amateur Satellite Corp.)	Escitec
Andromace Enterprises	ETA International
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Batteries America	Expert Linears America LLC
Begali Keys	EZ Hang Inc
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Byonics	FAIRS
Capitol Electronics, Inc/Times Microwave	Follrod Sales
	Forbidden Knowledge

Prize Donor List 2015

Green Heron Engineering	NW Digital Radio
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International Antenna Company	RT Systems
JJ Surplus	Sign Man of Ohio
JK Antennas	Silver Tip Antennas
JT Communications	Sinbad Glue
KB3IFH	Society of Amateur Radio Astronomers / Radio
Kenwood USA	Jove
Kessler Engineering LLC	SteppIR Antenna Systems
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LnR Precision Inc	TAPR (Tucson Amateur Packet Radio)
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Morse Telegraph Club, Inc	WB0W Inc
N3ZN Keys, LLC	Webster Communications Inc
N4PY Software	Yaesu USA
Nuts & Volts / Servo Magazine	



Friday, May 15th

9:15 - 11:15

Room 1 TAPR

Moderator: Scotty Cowling, WA2DFI, past TAPR Director and past TAPR Vice President

Speakers: Steve Bible, N7HPR, TAPR President

Steve Ford, WB8IMY, QST Editor, Write for QST/QEX

Bill Curtice, WA8APB, and Bob Dixon, W8ERD, Hamnet Mesh: Consider the Possibilities! High speed, digital, microwave mesh networks offer hams an exciting array of new communications possibilities supporting experimentation, remote sensing and control, and emergency communications. Mesh is the ultimate "experimenter's sandbox", serving as an ideal host for a wide variety of "maker" projects and applications. This presentation will introduce mesh, describing what it is, how it works, and how it's deployed. We will then address a variety of mesh applications, to include those hosted by Raspberry Pi and similar processors. Bryan Fields, W9CR, High Speed IP Radio A presentation on High-Speed IP radio with an emphasis on building regional highly available networks. Utilizing the same techniques which enable the Internet, Amateur Radio networks may be built; connecting projects to the Internet or other sites. These networks form a resilient backup to cable, DSL and phone commercial internet connections.

Chris Testa, KD2BMH, Whitebox Project: New Charlie Prototype Come check out the third prototype of the Whitebox handheld SDR project. This is a software-defined transceiver that will be FCC-legal and can communicate using essentially any mode and protocol up to 1 MHz wide on frequencies between 50 and 1000 MHz. It pairs with your smartphone, and runs all Open Source Software on an embedded uClinux system.

Mike Ossmann, Spectrum Monitoring with Software Defined Radio Many of the current crop of SDR platforms support a very wide range of operating frequencies covering more than a GHz of bandwidth, but most users of those platforms find themselves looking at waterfall displays showing a few MHz at most. Let's look at how we can use SDR to monitor activity over several GHz of spectrum and visualize the results over both short and long periods of time.

9:15 - 10:15

Room 2 Homeland Security Training

Moderator: John Peterson

The Department of Homeland Security's (DHS) Office of Emergency Communications (OEC) forum is geared toward auxiliary emergency communicators who volunteer to provide backup emergency radio communications support to public safety and emergency response agencies. Typically they are amateur radio communicators from groups such as MARS, ARES, RACES, SATERN and other amateur radio groups. Volunteer emergency communications operators/groups have been providing back-up emergency communications to the public safety community for nearly a century. They are routinely used by event planners and emergency managers at all levels of government. Today nearly all the States/territories have incorporated some level of participation by amateur radio auxiliary communication operators into their communications interoperability plans.

Come talk with the DHS Communications Unit (COMU) subject matter experts and

learn about this nationally recognized, NIMS/ICS compliant, AUXCOMM workshop and what the future holds for COMU training. This forum will include:

1. John Peterson, OECs team lead for the development of the AUXCOMM course and the AUXCOMM Field Operations Guide
2. George Molner, Statewide Interoperability Coordinator (SWIC) for the State of Nevada and how he uses trained amateur radio operators in their emergency communications planning.
3. Randy Kerr, an experienced COML and an instructor for OECs AUXCOMM and COML courses.
4. Information on OEC's Interoperable Communications Technical Assistance Program
5. How amateurs are incorporated into the National Emergency Communications Plan (NECP)
6. Information on how you can become qualified to teach OECs AUXCOMM course

9:15 - 10:15

Room 3 SATERN's Disaster Response Role

Speakers: Lt. Colonel Carol Busroe, National Liaison for EDS Emergency Disaster Services National Director for White House Relations

Bill Fiest, WB8BZH, Southern Territory SATERN Coordinator

Bill Shillingto, W9ZCL, Central Territory SATERN Coordinator

9:15 - 10:15

Room 5 QRP Challenge

Moderator: Ken Evans, W4DU, is the current president of the QRP Amateur Radio, International (QRP ARCI).

Speaker: Craig Behrens, NM4T, the "Huntsville (Rocket City) QRP Guy" and Founder of The QRP SkunkWerks: A new generation of creative QRPer are actively redefining amateur radio. It makes no difference if you are an occasional low-power radio enthusiast or a die-hard QRP fanatic—it's the 21st century and the rules have changed. This forum is not about your father's version of QRP! Join us as we examine how powerful and (now) affordable technologies are being leveraged to create radio capabilities and extreme radio sport activities that have never been available to us before.

10:30 - 12:00

Room 3 Instructors' Forum

Moderator: Carole Perry, WB2MGP

The Instructors' Forum is designed to inform and share ideas with teachers, instructors and leaders of youth groups that incorporate Ham Radio in their programs with young adults.

Speakers: EMike McCardel, KC8YLD, VP for Educational Relations AMSAT-NA, AMSAT Educational Outreach and New ARISS Proposal Guidelines An overview of educational outreach opportunities and activities available through AMSAT and its educational partners, including the ARRL and ARISS.

Stan Reubenstein, WA6RNU, president emeritus of Radio Club of America and on the RCA Youth Activities Committee, International Efforts to Promote Youth in Ham Radio A discussion of the efforts in recruitment in different countries and motivations to keep young hams involved and engaged in radio.

Ed Engleman, KG8CX, co-founder of Y.A.C.H.T. (Young Amateurs Communications Ham Team) program, Promoting Ham Radio to Youth in a Boys and Girls Club Setting and Creating and Maintaining Activity and Interest through an Echolink Youth Group and Net. All presenters will provide handouts for the audience members.



- 10:30 - 11:30** **Room 5** **IOS & Android Rig Control**
 Internet your Thing. Nick, N3WG, from Pignology, LLC will be giving an overview of a project to build a low-cost, Internet controlled, rig controller. The project uses the Wi-Fi module from Electric Imp to send control signals to/from an Elecraft K3, including remote power-on/off. The concept of using Electric Imp for remote control and sensing can be extended to anything in the shack you might need to actuate with an always on, low-power device. Nick will discuss where this idea came from, the technology in use and give an overview of the circuit board he created for the project.
- 11:00 - 12:00v** **Room 2** **The Evolution of Radio Through the Ages**
 Speaker: Frank J. Beafore, WS8B
 Based on the first chapter of Antennas by John D. Kraus (K8JK/SK), this forum will take the audience from basic scientific discoveries from 600 BC to the present. Along the way, many personalities and their respective contributions to the science of radio communication will be discussed. Some demonstrations will be presented and as in any forum, audience participation will be strongly encouraged.
- 11:30 - 12:30** **Room 1** **APRS**
 Speakers: Bob Bruninga, WB4APR, APRS Operating notes
 Byon Garrabrant, N6BG, Byonics Update
 Allen Lord, AF6OF, Microtrack Update
 Jason Rausch, KE4NYV, RPC Electronics Update
 Don Arnold, W6GPS, AVMAP G6 update
 Andrew Pavlin, KA2DDO, author of YAAC
 Bryan Hoyer, K7UDR, NW Digital Radio
- 11:45 - 12:45** **Room 5** **Kit Building Techniques For Success**
 Building kits can be a lot easier, once you know the best ways to make your kit building experience easier with the right tools. Join us to learn what is new in the kit world and learn tips to make building kits more successful and enjoyable!
 Moderator/Speaker: Joe Eisenberg, K0NEB, Kit Building Editor, CQ Magazine, Kit Building Tips For Both Beginners and Experts
 Speakers: Wayne Burdick, N6KR, Elecraft, What is New and Tips for Builders
 Rex Harper, W1REX, QRP ME, Easy Kits for QRP Fun
- 12:15 - 2:15** **Room 2** **Balloon Sat**
 Moderators: Bill Brown, WB8ELK, & Doug Loughmille, W5BL
 Speakers: Bill Brown, WB8ELK, Miniature Trackers and Long Duration Flights
 Gene Swiech, WB9COY, Arizona Near Space Research Ballooning
 Brian Tanner, Spaceport Indiana STEM Activities
 Keith Kaiser, WA0TJT, Jurassic Pigs and Other Adventures in High Altitude Ballooning, Part 2
- 12:15 - 1:45** **Room 3** **Hams in Space**
 Speakers: Randy Schulze, KD0HKD, and Eddy Paul, KY0F
 You don't need 100W of transmit power nor expensive antenna arrays to work the FM amateur satellites! Many hams already have the necessary equipment to "work the birds." The Hams in Space Presentation will walk you through ALL the steps needed to successfully work ham satellites. An emphasis of "Keep it Simple" and "Have Fun" is stressed throughout.

- 12:45 - 2:15** **Room 1** **D-Star**
 Speakers: Ray Novak, NJ6N, ICOM, John Davis, WB4QDX, Robin Cutshaw, AA4RC, Jim Moen, K6JM, Guus Van Dooren, PE1PLM
 D-STAR continues to grow and change. The speakers this year are experts in the many facets of D-STAR and will be updating attendees with the latest news, radios, and gadgets. New products are always the highlight at the forum.
- 1:00 - 2:15** **Room 5** **Techniques of Best Operators**
 Speakers: Mitch Stern, W1SJ, and Tony Pazzola, W2BEJ
 Why is it such a struggle to work the DXpeditions? Why is working new stations such a struggle? Why is it every time I get into a QSO, it ends up getting swallowed up in a sea of QRM? Now that you've bought up all the great stuff from the Flea Market and got home and set it all up, now what do you do after you turn it on? How do you go about making contacts with others? Why does everyone else work the DX but you can't? It's probably because they attended THIS FORUM in the past!
- 2:00 - 3:30** **Room 3** **Foxhunt / 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. Demonstrations also on equipment used to locate intentional interference.
- 2:30 - 5:00** **Room 1** **Antenna Forum**
 Moderator: Tim Duffy, K3LR
 Speakers: Angel Vazquez, WP3R, A Behind the Scenes Tour - The World's Largest Antenna at Arecibo Angel will describe the operation of the world's largest radio telescope. He will highlight its mission and how amateur radio has a tremendous link to this high technology antenna system.
 Joel R. Hallas, W1ZR, A Look at Antenna Analyzers Joel will give a review of popular Antenna Analyzers highlighting their functions and explaining their features. He will review the operation of the units including things you should be aware of when selecting your next analyzer.
 Dr. Tamitha Skov, The Science of Predicting Space Weather and How it Affects Propagation Dr. Skov will present an overview of her work to understand the Sun's impact on the ionosphere. She will review the tools and research she is involved in as well as discussing her weekly Space Weather updates on spaceweather.tv
 Greg Ordy, W8WWV, Quadcopter Drone Assisted Real World Antenna Pattern Measurements Greg will show how he is using a Quadcopter to measure antenna patterns. He will show his work in this area so far with a signal generator and present some ideas for more work in this area in the future.
- 2:30 - 3:45** **Room 2** **Ham Radio and the Law: Getting Antennas Up and Keeping Them Up**
 Moderator: Fred Hopengarten, Esq., K1VR, Author of "Antenna Zoning for the Radio Amateur"
 Speakers: Jim O'Connell, Esq., W9WU, ARRL Volunteer Counsel; Dan Henderson, N1ND, ARRL Regulatory Information Manager; and Kevin Kaufhold, Esq., W9GKA, ARRL Volunteer Counsel
 ARRL invites you to this discussion by Amateur Radio attorneys on legal issues of interest to hams: avoiding restrictive covenants, presenting your case for a tower



permit, and the latest court rulings on PRB-1 and towers. You'll also enjoy an update on ARRL's proposed legislation, The Amateur Radio Parity Act of 2015 — H.R.1301, introduced in the US House of Representatives to protect hams living under Homeowner Association authorities. This forum is sponsored by ARRL, the national association for Amateur Radio.

- 2:30 - 3:30** **Room 5** **YL Forum**
 Moderator: KC8PKY Linda Metz, President YLRL
 Join members of the Young Ladies' Radio League to find out about this historic club and women in Amateur Radio. Every woman ham is a "Young Lady" no matter what her age. Topics will include: reports on new nets and awards, the YLRL 75th Anniversary convention held last August and last May's International YL Meet in Reykjavik, Iceland, where to find YLs at local events; how to get the YL magazine; and much more. Bring your questions to the YL Forum and find out more about women in Amateur Radio, meet officers in the YLRL and hear from Young Ladies of all ages! OMs are also welcome to earn awards and are appreciated for their support.
- 3:45 - 5:00** **Room 3** **Advances in Software Defined Radio**
 Moderator: Stephen Hicks, N5AC
 Speakers: Scotty Cowling, WA2DFI, The Ins and Outs of Internet Connected Radios
 How would you like to listen to the bands on a triband Yagi at 110 feet, even though you live in an antenna-restricted HOA? It is easier than ever to listen to Internet-connected radios or connect your SDR to the Internet to share with others. Along with your SDR, a moderately performing Linux system and an average broadband connection is all that you need to put your SDR on-line. The requirements are even less if you just want to operate a remote rig. We will cover various client and server software programs that are available, along with the hardware you will need.
- 3:45 - 5:00** **Room 5** **Introduction to Digital Mobile Radio (DMR) and the Amateur Radio DMR Networks**
 Presenter: Dr. John S. Burningham, W2XAB
 This presentation will provide the basics of the DMR terminology, technology and user equipment available along with a description of the network infrastructure used on the Amateur Radio Mototrbo™ Networks.
- 4:00 - 5:00** **Room 2** **County Hunting**
 Moderator: Dr. Timothy Eklin, W8JJ, holds USA-CA #1203 and is currently attempting to work all US counties using CW and is closing in on the MARAC BINGO award. He also enjoys operating mobile to activate needed counties on multiple bands and modes. Tim will serve as host and moderator for again this year's forum.
 Speakers: Bob Voss, N4CD, will discuss going mobile the "county hunter way." Bob is an experienced county hunter having transmitted from all 3077 counties. He will discuss how to get those "last counties" for others working on the various awards including running mobile from Alaska and Hawaii.
 Tim Eklin, W8JJ, will present a slide show detailing his most recent mobile ham radio installation. The presentation will cover bonding, 12 VDC wiring, RF chokes, and innovative radio and antenna mounting solutions for mobile operations. He will conclude with a product review of the Scorpion SA-680 (10-80 meter) antenna for county hunting.

- 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** **2015 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.
- 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 Town Hall Meeting**
 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 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, KP4AQL, VSWR: Why It Does Not Mean As Much As You Think (For ATVers)
 Mike Collis, WA6SVT, ATV in Southern California, Overview

continued on page 38

Amateur of the Year Award Tim Duffy, K3LR



Tim Duffy, K3LR, of West Middlesex, PA, has a long history of giving back to Amateur Radio. He is founder, promoter and chairman of the successful Contest University (CTU) which has helped to teach radio sport contest operating with excellent volunteer professors. The first CTU was held in Dayton in 2007. Since then more 3,700 radio sport enthusiasts have attended 25 CTU's held in eight different countries under his watchful guidance.

Special Achievement Award Thomas C. Medlin, W5KUB



The Dayton Hamvention Special Achievement Award recognizes the 14 years of service that Tom Medlin, W5KUB, has provided through W5KUB.com, a worldwide webcast of live ham radio events. From his start as "Helmet Cam" man, he has grown the webcast to cover all aspects of amateur radio from events like the Dayton Hamvention to field day, vendor tours, special technical discussions, and special events such as K6H from the stage of "Last Man Standing" in Hollywood. The webcast recently added a weekly live amateur radio program which remotely brings in guests from around the world. The W5KUB.com viewer base has reached approximately 50,000 unique operators in about 150 countries.

Technical Excellence Award Reverend George Dobbs, G3RJV



Rev. George Dobbs, G3RJV, has helped many amateur radio operators build their own equipment. Currently G3RJV writes a monthly practical construction column, "Continuing the Practical Way" for the Practical Wireless magazine and the QRP Column for the Radio Society of Great Britain, (RSGB) magazine Radio Communication. He authored the book "QRP Basics" and jointly compiled the "International QRP Collection" for the RSGB.

Club of the Year Orlando Amateur Radio Club



The Orlando Amateur Radio Club, (OARC) with the club call of W4PLB, is the largest and oldest amateur radio club in Central Florida with consistently over 300 members. It is an American Radio Relay League, (ARRL) Special Service Club, and offers many outlets for amateur radio enjoyment and growth. The members of the Orlando Amateur Radio Club take great pride in planning for the future of amateur radio and preserving the history of technology. They do this by recruiting, training and helping committed hams to carry on the tradition of amateur radio. They actively support Orange County ARES and Skywarn as well as several community service agencies. They continually provide conduct training and testing for all ages. To keep members informed, a monthly e-newsletter includes meeting information, items of interest and important announcements.



Previous Award Winners

AMATEUR OF THE YEAR

1955 ...William C. Jenney, W8FYW Benjamin S. Zieg, W9EHU, K4OQK	1983....Katashi Nose, KH6IJ
1956....Edmund C. Ryan, W8LRR	1984....Dave L. Bell, W6AQ
1957....Ralph Crammer, W8VHO	1985....John J. Willig, W8ACE
1958Rev. C. Lynn White, K4CC	1986....Roy Neal, K6DUE
1959....Harlow Lucas, W8QQ	1987....Carole Perry, WB2MGP
1960....Paul Woffe, W8IVE	1988....Bill Bennett, W7PHO
1961....Ed Bonnet, W8OVG	1989....Bill Pasternak, WA6ITF
1962....Dana Cartwright, W8UPB	1990....Stephen Mendelsohn, WA2DHF
1963....Chester Funk, K8EUF, K7ZKL	1991....John B. Johnston, W3BE
1964 ...H. Ruble, W8PTF	1992....Richard Baldwin, WIRU
1965....Carl B. Snyder, W8ARW	1993....Harry Dannals, W2HD
1966....Robert K Caskey, W9DNQ	1994....Perry Williams, WIUED
1967....Jack Gray, W8JDV	1995....Rosalie White, WA1STO
1968....Elmer Schubert, W8ALW	1996....William A. Tynan, W3XO
1969....Wayne Walters, W9DOG	1997....Leo I. Myerson, WØGFQ
1970....Kay Anderson, W8DUV	1998....Andrew J. Feldman, WB2FXN
1971....Al Michel, W8WC	1999....Kenneth M. Miller, K6IR
1972 ...Don C. Miller, W9NTP	2000....Martie Laine, OH2BH
1973....Ray E. Myers, W6MLZ	2001....George Jacobs, W3ASK
1974....Barry Goldwater, K7UGA	2002....Alanson "Hap" Holly, KC9RP
1975 ...Richard A. Daniels, WA4DGU	2003....Larry "Tree" Tyree, N6TR
1976....Joseph M. Hertzberg, N3EA	2004....David Kopacz, KY1V
1977....Rafael M. Estevez, WA4ZZG	2005....Alan S. Kaul, W6RCL
1978....Frank Schwab, W8OK	2006....Gordon West, WB6NOA
1979....George G. Batterson, W2GB	2007....Jim Haynie, W5JBP
1980....Wayne Overbeck, N6NB	2008....Ward Silver, NØAX
1981....Eric C. Shalkhauser, W9CI	2009....Wade D. Hampton, K4ITL
1982....Robert G. Heil, Jr., K9EID	2010....Jim Stafford, W4QO
	2011....Shirley Roberts, N8LX
	2012....S. Suri, VU2MY
	2013....None Given
	2014....Dr. Larry E Prince, W4RA

Previous Award Winners (continued)

SPECIAL ACHIEVEMENT AWARD

1977.....South American Moonbounce (EME) Expedition Team of the Mt. Airy VHF Radio Club Inc., Philadelphia, PA Elliott Weisman, K3JJZ Anthony Sousa, W3HMU S. William Olsan, W3HQT Walter Boldman, K3BPP Daniel Mitten, WA3NFU Socrates Martinez, WB3AFY Bohner Aguilar, WB3AOP	1991.....Nate Brightman, K6ØSC
1978.....Ronald Moorefield, W8ILC	1992.....Ned Raub, W1RAN
1979.....Edward Tilton, W1HDQ	1993.....Robert Adams, WA9ZMO
1980.....Joseph Merdler N6AHU	1994.....Russ Kroeker, N7HGE
1981Bill Pasternak, WA6ITF, Bill Orenstein, KH6IAF	1995.....Ed Briner, WA3TVG
1982.....Bruce Humphrys, KØHR	1996.....John Kraus, W8JK
1983.....Lenore Jensen, W6NAZ	1997.....Joseph J. Fairclough, WB2JKJ
1984.....Ethel Smith, K4LMB	1998.....John B. Bellows, Jr., KØQB
1985.....Judith Frye, KG8P	1999.....Paul D. Lieb, KH6HME
1986.....Rev. Michael Mullen, C.M., WB2GQW	2000.....A. Prose Walker, W4BW
1987.....Arthur Gentry, W6MEP	2001.....Frank Bauer, KA3HDO
1988.....Fred Hammond, VE3HC	2002.....Dr. Owen Garriott, W5LFL
1989.....Phil Karn, KA9Q	2003.....Jonathan Taylor, K1RFD
1990.....Paul Thomson, KCØVG	2004.....George S. Wilson III, W4OYI
	2005.....D. Bharathi, VU2RBI
	2006.....Riley Hollingsworth, K4ZDH
	2007.....Ed Hare, W1RFI
	2008.....Emery McClendon, KB9IBW
	2009.....Richard Garriott, W5KWQ
	2010.....Richard "Dick" Ross
	2011.....Fred L. Lloyd, AA7BQ
	2012.....Steve Betza, WZ2V
	2013.....George a. Thomas, Jr, W5JDX
	2014.....David Sumner, K1ZZ

TECHNICAL EXCELLENCE AWARD

1984....Lyle Johnson, WA7GXD	2000....Dr. H. Paul Shuch, N6TX
1985 ...Richard Whiting, WØTN	2001....Peter Martinez, G3PLX
1986....M. E (Doug) DeMaw, W1FB	2002....Allen Waller, K3TKJ
1987....Henry (Hank) Oredson, WØRLI	2003....Steve Dimse, K4HG
1988....Lew McCoy, W1ICP	2004....Barry Sanderson, KB9VAK
1989....Byron Goodman, W1DX	2005....Dr. Jerry Sevick, W2FMI
1990....Bob McGwier, N4HY	2006....Richard Illman, AH6EZ
1991....Lou McFadin, W5DID	2007....David Cameron, VE7LTD
1992....Gerald Cromer, K4NHN	2008....Thomas C. McDermott, N5EG
1993....Dick Jansson, WD4FAB	2009....Cophorne Macdonald, VY2CM
1994....Dick Newell, AK1A	2010....Simon Brown, HB9DRV
1995....Philip Ferrell, K7PF	2011....Roy W. Lewallen, W7EL
1996....William Orr, W6SAI	2012....Joel R. Hallas, W1ZR
1997....Al Ward, W5LUA	2013....David Rowe, VK5DGR
1998....Robert E. Bruninga, WB4APR	2013....David M. Whitten, II, KD0EAG
1999....Alfonso R. Torres, KP4AQI	2014....David Freese Jr, W1HKJ



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.
 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 Forum

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 Zafiroopoulos, 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.

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.
 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

continued on page 43



2015 ARRL/DARA Scholarships

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Available

John A. Crooke, KDØSTX, lives in Springfield, Missouri and graduated John achieved his Technician level license at age 15, and learned Amateur Radio from his father. John says Amateur Radio has helped him, “learn about other cultures, and join a close community of diverse, interesting and kind people” and that Amateur Radio has “broadened my horizons.” At his high school, he connected with other hams, and has worked on radio projects in his Physics Club, where was President, having “jam sessions.”

John’s career choice is influenced by his life-long interest in space. He is especially likes to learn math and science theories, and physics. He hopes to achieve his PhD and do research at a national lab or university, or even NASA.

John’s career choice is influenced by his life-long interest in space. He is especially likes to learn math and science theories, and physics. He hopes to achieve his PhD and do research at a national lab or university, or even NASA.



Jessica E. Lipa, KX8A, is from Saline, Michigan and graduated last year from Saline High School. She is currently holds a 4.0 GPA at University of Michigan where she is studying mechanical engineering.

Jessica holds an Extra Class license. Her older brother became interested in Amateur Radio after reading Hardy Boys and Danny Dunn books, and both Jessica and her dad followed him into the hobby. She achieved her Technician license at the age of 10 and upgraded to Extra four years later. Amateur Radio sparked Jessica’s interest in math and science, has taught her communication skills and geography, and has increased her knowledge of geography and foreign cultures. Jessica is most appreciative though of how Amateur Radio has strengthened

her bond with her brother and all the adventures they have shared through this hobby. They especially enjoy CW and operate in Field Day every year. She has worked 86 countries and 6 continents and hopes to earn DXCC in the future.

In high school, Jessica participated in the U.S. National Chemistry Olympiad Honors Program, placing in several areas. She also played the clarinet in band, and pursued piano as well, volunteers often at her church, and tutored fellow students in math and science.



Kiran A. Shila, KJ4EYN, is from Lutz, Florida and graduated third in his class at Steinbrenner High School. He is attending the University of Southern Florida Honors College and pursuing a degree in Electrical Engineering and Computer Science.

Kiran holds a General license, and is a self-described ‘tinkerer.’ He says he has used every formula learned in Amateur Radio in his physics courses, noting, “Radio has proven to be the focal point in my studies, as everything I am interested in winds up relating back to radio.”

Kiran created an emergency communications system for his high school using Amateur Radio as his Eagle Scout project, attending county commissioner meetings and congressional galas to promote the inclusion of Amateur Radio into public safety programs. He is active in Field days, encouraging his fellow troop members and friends

2015 ARRL/DARA Scholarships

Kiran A. Shila, KJ4EYN continued

to join him. In fact, Kiran teaches the Radio merit badge to other scouts, and always takes his rig when hiking to be connected. He is also active with his county’s ARES/RACES chapter.

Kiran has received the National AP Scholar award, the National AP Scholar with Distinction award and participated in his schools Electronics Club and Model UN. He has also served on his school’s newspaper.



Matthew D. Preisser, KK4NSS, lives in Crescent Springs, Kentucky, and was valedictorian of his graduating class from Dixie Heights High School. He is currently attending Auburn University studying Biosystems Engineering.

Matthew learned about Amateur Radio through his high school’s Amateur Radio club, eventually earning his General license. The club’s teacher taught the students how Amateur Radio works and about different antennas, including how to build your own antenna. Matthew was inspired to go into engineering because his teacher encouraged hands-on activities, which Matthew enjoyed.

Because of his outstanding academic achievements, Matthew has been recognized through multiple awards, including the Deans’ List, National Honor Society, German Honor Society, Kentucky Governor’s Scholars Program, and more. Matthew is also active in his community, volunteering at the Newport Aquarium, as a reading mentor, as a cook for his church’s Christmas dinner and at the Yellow Ribbon Support Center. He was also Captain of his high school swim team, President of the Student Council, and participated on the Superintendent’s Advisory Board. He is also an avid scuba diver.

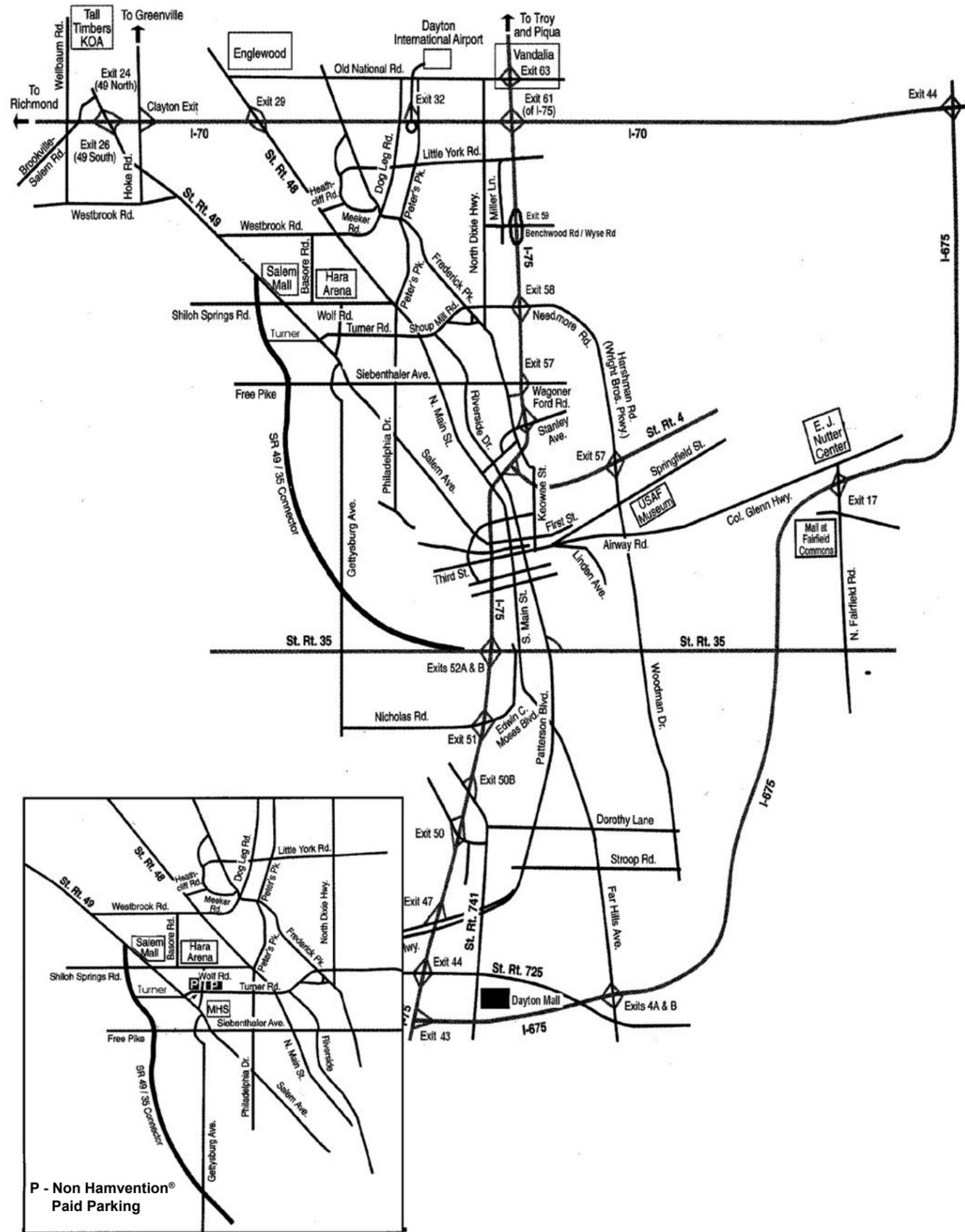
Matthew decided on a career in Biosystems as it combines his passion for both biology and the environment. He hopes to help develop new technologies and systems, and help protect and preserve natural resources.

Future Scholarships

The ARRL Foundation will be announcing the recipients of DARA’s Scholarships for this year after May 15th. To apply for future DARA Scholarships, each applicant must submit a transcript from their high school or college to complete their application. Applications must be submitted via the ARRL website and transcripts should be sent via e-mail. Applications without transcripts will not be considered. Questions concerning the application process should be directed to foundation@arrl.org.

Applications must be submitted no earlier than October 1st and no later than February 1st along with a current academic transcript.





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

Sunday, May 17th

- 9:15 - 10:15** **Room 1** **ARES**
 Moderator: Stan Broadway, N8BHL, SEC Ohio ARES
 ARES as a viable emergency resource for our communities. There will be a report on various activations we've had up to date, and some suggestions for how ARES organizations can improve their relationships with served agencies.
- 9:15 - 10:15** **Room 2** **Rohn Towers**
 Presenter: Mark Allen, W6PC, president of Rohn Tower Co.
 This presentation will enlighten participants concerning problems and risks associated with the erection, maintenance, dismantling and continuing operation of their amateur radio towers and similar structures that support antennas. Many of the structures are 30 or more years old. Common problems, modes of failure, preventive maintenance and related topics will be covered.
- 9:15 - 10:15** **Room 3** **Interactive Forum for HRD**
 moderator: Rick Ruhl, W4PC
 HRD continues to grow after 4 year and has become the default program for hams when they need radio control, logging, digital modes and rotor control. There will be an open Q&A on any subject at the end of the presentation. This will be Ham Radio Deluxe's 4th Hamvention and the live demo can be seen in booths 99-100 in Audio Alley.
- 9:15 - 11:15** **Room 5** **Bicycle Mobile**
 The 25th Annual BMHA forum at Hamvention
 Bicycle Mobile Hams of America got its start in 1989 when a QST article by Hartley Alley, NA0A, 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.



Forums

Moderator: Mike Nickolaus, NF0N
 Speaker: Budd Drummond, W3FF, The Making of the DX Tricycle, Power and Custom Antenna
 Mike Nickolaus, NF0N, The Best of Bicycle Mobile Hams of America, From 1990 – 2015
 Arn Grubbs, KA0NCR: 25 Years of the Dayton BMHA Ride!
 We plan to have bicycle mobile displays and demonstrations of each will be conducted.

10:30 - 11:30 Room 1 System Fusion
 Moderator: Mark Thompson, WB9QZB
 Speakers: Chris Wilson, N0CSW, National Sales Manager, Yaesu
 This is the first System Fusion forum at the Dayton Hamvention. The forum will include a presentation & discussion about Yaesu's new System Fusion Voice & Data technology designed exclusively for Amateur Radio.
 The forum will review the new Yaesu DR-1X 2m/70cm FM/C4FM Digital Voice Repeater and the WIRES-X (Wide-coverage Internet Repeater Enhancement System) VoIP internet communications linking system incorporating both Analog FM & C4FM Digital Voice on the same repeater & network.
 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.

10:30 - 11:30 Room 2 SHARES-Shared Resources HF Emergency Communications
 Representing the National Coordinating Center for Communications-Department of Homeland Security
 Moderator/Presenter: Ross Merlin, WA2WDT

10:30 - 11:30 Room 3 Engaging Youth in Ham Radio through Informal Education Opportunities
 Moderator: Larry Kendall, K6NDL, Instructor, ARRL's Teachers Institute on Wireless Technology
 Larry Kendall, K6NDL, is an Instructor for ARRL's Teachers Institute on Wireless Technology (TI) — an outreach program that sponsors professional development seminars for educators, motivating teachers and schools to use radio electronics and related technologies to inspire students studying Science, Technology, Engineering, and Math (STEM). Larry has been an educator and curriculum developer since 1981 and teaches middle school Technology and Robotics at Sitting Bull Academy in Apple Valley, California. Before becoming a TI Instructor, Larry participated in ARRL's TI-1, TI-2: Space in the Classroom, and TI-2: Remote Sensing workshops. Larry will share some best practices and resources, including experiences from participating in Scouting's Jamboree on the Air (JOTA) through his involvement as a board member of the Victor Valley Amateur Radio Club. This forum is sponsored by ARRL, the national association for Amateur Radio.

Forums Overall Schedule

	Sunday					Saturday					Friday				
	Room 1	Room 2	Room 3	Room 5		Room 1	Room 2	Room 3	Room 5		Room 1	Room 2	Room 3	Room 5	
9:15 am															
9:30 am	ARES Stan Broadway 0915-1015	Rohn Towers 0915-1015	Interactive For HDR 0915-1015			Drake Equipment Evan Rolek 0915-1015	Homeland Security Training John Peterson 0915-1015	SATERN Disaster Response 0915-1015	ORP Challenge Craig Behrens 0915-1015		TAPR Digital Forum Steve Bible 0915-1115				
9:45 am															
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5:00 pm															



Dayton Hamvention Past General Chairs

1952-1955	John J. Willig, W8ACE *
1956-1957	Rudy Plak, W8ZOF (W6TIK) *
1958	Frank J. Schwab, W8YCP (W80K) *
1959-1960	Ed F. Bonnet, W80VG *
1961-1962	Joseph H. McNutt, W8GFN *
1963-1964	Sheemon A. Wolfe, W8WJL *
1965-1966	Edgar A. Smith, W8RKL *
1967	Robert Wilcox, K8EJI *
1968-1969	Jack Ohmart, K8CUA *
1970-1971	Kenneth E. Mills, W8RLY
1972	George L. Shearer, WA8IHC (KE8WJ) *
1973-1976	Ted L. Suarez, K8BSC *
1977	Wallace M. Wright, WA8ZCA (AD8N) *
1978	John Basilotto, W5GI (WA8ZAN) *
1979	Sandford H. Cohen, W8JEZ *
1980-1981	Noel K. McKeown, WB8QQC
1982-1983	Harold A. Judd, K4GZL *
1984-1985	Jack Mitchell, AA8Q
1986-1987	Jim Simpson, WB8QZZ
1988-1989	Bill McNabb, WD8SAY
1990	Ed Hillman, N8ALN
1991-1992	Ross Brown, WA8DQH
1993-1994	Dave Grubb, KC8CF
1995-1996	Ken Allen, KB8KE
1997-1999	Dick Miller, N8CBU *
2000-2002	Jim Graver, KB8PSO
2003	Pat Neff, N8IGS
2004-2005	Gary Des Combes, N8EMO
2006-2007	Jim Nies, WX8F
2008-2009	Carl Rose, K8CPR
2010	Lee Boeckerman, W8LFB
2011-2012	Michael Kalter, W8CI
2013-2014	Charles Kaiser, KD8JZR

* Silent Key

Past DARA Presidents

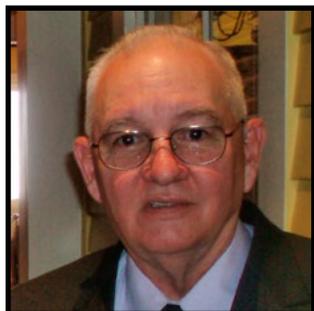
1926	C.A. Petry	8AWN
1927	C.A. Petry	8AWN
1928	Lou Driggs	W8HEQ
1929	Ray Stotts	
1930	Art John	W8DMI
1931	Fred Rawson	W8KKH
1932		
1933	Fred Allen	W8GER /W8FU
1934		
1935	Dan C. McCoy	W8CI/W8DG
1936		
1937		
1938	Emil Henrich	W8OVL
1939		
1940	Russ Gardner	W8TPC
1941		
1942	Cheever Ely	W8LJ
1943	Cheever Ely	W8LJ
1944	Cheever Ely	W8LJ
1945	Hyde E. Ruble	W8PTF
1946	Hyde E. Ruble	W8PTF
1947	Russ Hardy	W8AQT
1948	Clem Wolford	W8ENH
1949	John Willig	W8ACE
1950	Clem Wolford	W8ENH
1951	Frank Schwab	W8YCP/W8OK
1952	Frank Schwab	W8YCP/W8OK
1953	Hyde E. Ruble	W8PTF
1954	Rudy Plak	W8ZOF
1955	Allan D. Gunston	W8GQ
1956	Andrew B. Henderson	W8WYL
1957	Robert G. Siff	W8QDI
1958	Ed F. Bonnet	W8OVG
1959	Joseph H. McNutt	W8GFN
1960	Walter G. Burdine	W8ZCV
1961	Robert F. Zimmerman	W8DPW/W8ZM
1962	Hyde E. Ruble	W8PTF
1963	Richard D. McFadden	K8ERE
1964	Ted Suarez	K8BSC
1965	Robert E. Wilcox	K8EJI
1966	Jim Dakin	K8BPC
1967	Ken Mills	W8RLY
1968	George Shearer	WA8IHC/KE8WJ
1969	George Shearer	WA8IHC/KE8WJ

1970	Owen Vance	WA8PHW
1971	Jules Wittebort	W8SE
1972	Budd Chaney	WA8UUX
1973	Wesley Duckwitz	W8IPT
1974	Ken Mills	W8RLY
1975	Robert O. Wilson	W8JRN
1976	Robert O. Wilson	W8JRN
1977	Melvin L. Levy	WA8YKV
1978	Melvin L. Levy	WA8YKV
1979	William G. Ingling	W8SVI
1980	William G. Ingling	W8SVI
1981	Victor M. Stauder	N8FPF/WA2KOO
1982	Victor M. Stauder	N8FPF/WA2KOO
1983	Thomas Holmes	N8ZM
1984	Victor M. Stauder	N8FPF/WA2KOO
1985	Edgar "Red" Smith	W8RKL
1986	Ray Smith	KR8B
1987	Ray Smith	KR8B
1988	Al Torres	KP4AQI
1989	Thomas Holmes	N8ZM
1990	Thomas Holmes	N8ZM
1991	Ron L. Moorefield	W8ILC
1992	Thomas Holmes	N8ZM
1993	Victor M. Stauder	N8FPF/WA2KOO
1994	Thomas Holmes	N8ZM
1995	Dave Coons	WT8W
1996	Dave Coons	WT8W
1997	Michelle Ervin	KA9FUL
1998	Gary DesCombes	N8EMO
1999	Gary DesCombes	N8EMO
2000	John Phillips	N8ZGT
2001	Reuben Meeks	W8GUC
2002	Reuben Meeks	W8GUC
2003	Mike Buehler	N8XGA
2004	Mike Buehler	N8XGA
2005	Mike Kalter	W8CI
2006	Mike Kalter	W8CI
2007	Jim Simpson	WB8QZZ
2008	Jim Simpson	WB8QZZ
2009	Steve Coy	K8UD
2010	Jim Simpson	WB8QZZ
2011	Steve Coy	K8UD
2012	Don Dubon	N6JRL
2013	Don Dubon	N6JRL
2014	Reuben Meeks	W8GUC



Dayton Amateur Radio Association

DARA Board



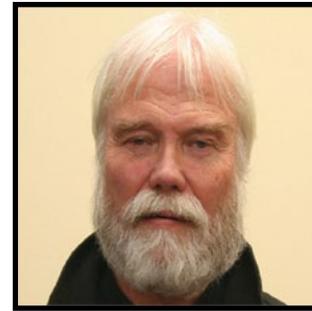
Don DuBon, N6JRL
President



Sam Anderson, N8VES
Vice President



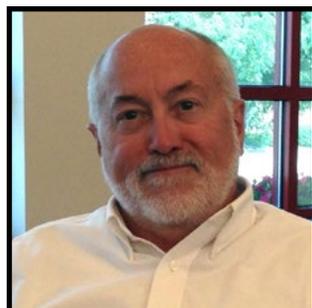
Nancy Krodel, KC8RMT
Secretary



Michael Kalter, W8CI
Treasurer



Rob Lunsford, KB8UEY
Junior Trustee



Jim Simpson, WB8QZZ
Senior Trustee



Jim Tiderman, N8IDS
Hamvention General Chair

Planning Council



Chuck Wright, K8MDB



Lee Boeckerman, W8LFB



Carl Rose, K8CPR

