Welcome to the 2018 Dayton Hamvention
Amateur Radio... Serving the Community

On behalf of our sponsor, The Dayton Amateur Radio Association and all the volunteers making up the Dayton Hamvention® 2018 team, we want to welcome you to our second year at the Greene County Fairgrounds and Exposition Center. We have worked hard to review and improve on last year’s show and we think we have succeeded in creating an event you will remember and want to come back to, year after year.

We have one additional building for our use. We have increased the number of Forums again this year. Both Inside Exhibits and Flea Market have sold out of booth space. We have expanded the food options beyond the excellent variety we had last year. We are using the clearspan tents this year to eliminate some of the problems we had. We are creating roads through the Flea Market to help eliminate the mud issue. I do recommend using the free offsite parking and free busing. We have a claim check area where you can store your new toys and then pick up your vehicle and come back to claim them. Traffic has been thoroughly looked at and any issues have been resolved.

Reflecting upon last year’s weather with all of Mother Nature's worst events taking place around the world, we have focused on a specific area of Amateur Radio for our theme, Amateur Radio… Serving the Community! Please visit the Forums and learn something new about Emergency Communications. These forums are planned to give you new ideas and let you walk away with the facts and motivation to become more involved. Do not forget the EmComm Display area to learn how the other guy does it.

Assistant General Chair Jack Gerbs (WB8SCT) and I (KD8ENJ) thank you for making the trip to Dayton! We hope you enjoy the show as there is much to see and do. Please thank our many volunteers as they make this show happen. Visit with old friends and make new friends from around the world and make plans to come back and visit with us next year.

Ron Cramer KD8ENJ
Hamvention General Chair 2017-2018

Ron Cramer, KD8ENJ
General Chairman

Jack Gerbs, WB8SCT
Assistant General Chairman
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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 .......................... Charles Wright, K8MDB
Asst. Chair ............... Linda Kalter, W8AAV
Proofreaders .......... Ron Cramer, KD8ENJ
........................................ Linda Kalter, KD8YQU
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.

Future Hamvention Dates
May 18, 19, & 20, 2018
May 17, 18, & 19, 2019
May 15, 16, & 17, 2020

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
Activities & Times

FRIDAY ACTIVITIES
9:00 a.m. - 6:00 p.m. Flea Market open. Bus service runs 7:00 a.m. - 7:00 p.m.
9:00 a.m. - 6:00 p.m. Inside Exhibits open, prizes on display.
9:15 a.m. - 5:00 p.m. Forums and scheduled activities.
10:00 a.m. - 3:00 p.m. Amateur Radio License Exams.
10:00 a.m. - 5:00 p.m. Hourly prize drawings.

SATURDAY ACTIVITIES
9:00 a.m. - 5:00 p.m. Flea Market open. Bus service runs 7:00 a.m. - 6:00 p.m.
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.
10:00 a.m. - 4:00 p.m. Amateur Radio License Exams.

SUNDAY ACTIVITIES
9:00 a.m. - 1:00 p.m. Flea Market open. Bus service runs 7:00 a.m. - 4:30 p.m.
9:00 a.m. - 1:00 p.m. Inside Exhibits open, prizes on display.
10:00 a.m. - 11:00 p.m. Hourly prize drawings, must be claimed by noon.
9:15 a.m. - 12:00 p.m. Forums and scheduled activities.
1:00 p.m. Award Winners’ Presentation.
1:00 p.m. Prize Drawing (unclaimed hourly prizes, followed by main prizes).
Bus Service will be available for a short time after the main prize drawing.

2018 Hamvention Souvenir Lanyard & Patch

NEW This Year Souvenir PATCH
The DARA AMATEUR RADIO Boy Scout Venturing Crew 73 is proud to announce a 2018 souvenir patch. These are in limited supply and could sell quickly!

We also will be offering the “DAYTON HAMVENTION 2018” souvenir lanyards.
2018 Souvenir Lanyards ........................................... $4.00 ea.
All lanyards include laminating your Dayton Hamvention admission ticket.
2018 Souvenir PATCH ............................................. $4.00 ea.
Red-White-Blue striped or Royal Blue lanyards $3.00 ea.
We will also laminate other items for you for a nominal fee.

<table>
<thead>
<tr>
<th>Hours</th>
<th>Outside Tent</th>
<th>Inside</th>
</tr>
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<tbody>
<tr>
<td>Friday &amp; Saturday</td>
<td>7:30 am - 3 pm</td>
<td>9:00 am - 4 pm</td>
</tr>
<tr>
<td>Sunday</td>
<td>Closed</td>
<td>9:00 am - noon</td>
</tr>
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Stop by with your children and have them get a surprise that will make them feel they are “little hams.”

While Supplies Last

Thank you for supporting the DARA AMATEUR RADIO Boy Scout Venturing Crew 73.
Services

INFORMATION/DARA MEMBERSHIP
Information Booths are located inside the main pedestrian gate, outside the main pedestrian gate and at the entrance to the flea market. DARA membership is located in Building 4, “Volta”. (See map on pages 27).

EMERGENCY MEDICAL CARE
Hamvention will have medical staff on site during show hours. Emergency care is also available from the following:
Greene Memorial Hospital
1141 N Monroe Dr, Xenia, OH 45385

LOST & FOUND
The Information Booth inside the main pedestrian gate will accept lost items. Items can be retrieved at this location the day the item is lost.

MESSAGE CENTER
Leave a message for your friends by submitting their call sign and message at the Prize Booth. Prize monitors throughout the arena complex will periodically list “message holding” by call sign.

LICENSE EXAMS
Have you been thinking about upgrading your license? Take a short ride across the street and visit the Hamvention License Exams. We are ready to assist you in taking that big step to a new license.
Free Laurel VEC license exams will be given across the street from Hamvention at Memorial United Presbyterian Church, 343 West Ankeney Mill Rd. Testing for all amateur license classes will be available on Friday, May 19th and on Saturday, May 20th. Hours for testing both days will be 10:00 a.m. until 3:00 p.m. There will be no testing on Sunday. Free shuttle vans are provided from the Hamvention site to the testing location and back. Shuttle service will pick up and drop off near the main Hamvention gate. Exams will be given on a first-come, first-served basis. There is no pre-registration. Large print exams will be available at all test sessions as well as assistance for those who may have special needs. All are encouraged to come and take a test since there is no fee for these exams.
Each applicant must have the following:
1) Applicants must have an FCC Registration number (FRN as we no longer accept Social Security Numbers.) An FRN may be obtained by visiting the FCC Universal Licensing System at:
https://apps.fcc.gov/coresWeb/publicHome.do

From this page click on the REGISTER button and follow the instructions to apply for an FRN. You can also use this page to check and see if you already have an FRN. Be sure to print or copy down the FRN number you are issued and bring it with you to the testing location.
2) A copy of their current license (original copy, Reference Copy or Official Copy, if applicable).
3) The original of any CSCE or other paperwork which will be submitted for element credit.
4) Identification (can be any of the following):
   • a government-issued photo ID (e.g. driver's license, passport, CAC),
   • a non-government issued photo ID (e.g. student ID),
   • a non-photo ID (e.g. birth certificate).
Applicants may wish to bring a basic calculator for use during the exam. Cell phone calculators may not be used during the exam. There will be a limited number of basic calculators available to borrow.

SHIPPING SERVICE
The US Postal Service offers freight service from their booth in Watt Hall 6311 and 6312. Postal dropoff available during regular show hours.
Freight hours are as follows:
   Friday  11:00 a.m. - 6:00 p.m.
   Saturday 11:00 a.m. - 5:00 p.m.
   Sunday  10:00 a.m. - 1:00 p.m.
(Hours may vary: check at the booth for changes)

SPECIAL EVENT STATION
The 2018 Dayton Hamvention Special Events Station will be located in Building #2 in spaces 2706 & 2707 using station call W8BI.
The station will feature the custom built station tables that will have one station each.
Station One will feature either the Icom 7300 or 7610 Transceiver.
Station Two will feature the Kenwood 590 Transceiver.
Supporting the stations will be SWR metering. Monitors will be at each station to show station activity in an audio and visual manner.
The antennas will again be the Radio Wavz Sentinel Hex Beam using a 40 Meter Linear element for Station One.
The antennas are going to be supported by the P&R Communications Mobile Antenna Trailer, set up just outside of Building 2.
A visitor friendly station layout will be used this year to encourage patrons and operators use in a more comfortable and open environment.
Station operating hours will be Hamvention show hours each day.

TALK-IN FREQUENCIES
For directions and assistance in the Dayton area during your visit to Hamvention, contact
Transportation & Parking

“Talk-In” on the DARA Repeater 146.94 (-) with a backup frequency of 146.985 (-) pl 123.0
In addition, we will have a bulletin system transmitting on 145.525 where attendees and vendors can hear the latest information and updates and get answers to the most frequently asked questions. Please tune in to the bulletin and then return to the Talk-In frequency if you have other questions or need more detailed information.

TRUCK & TRAILER PARKING
Semi-trucks (except Vendor Semi-Trucks with pass and other parking instructions) and/or other oversized vehicles will park in the impound/tour bus/taxi lot. Use Gate 4 entrance and be directed to parking spot. If that becomes full, you will be redirected to a nearby lot within shuttle distance. Monitor Talk-In for early notice if lot is full. No overnight parking or camping is permitted. All vehicles must be removed by 9:00 p.m. The Greene County Sheriff and Greene County Parks Ranger will enforce the No Overnight Parking Rule.

CAMPER PARKING
On-site camping is managed by Greene County Fairgrounds office at 937-372-8621. No tent camping is permitted and no overnight camping is permitted in the flea market or the parking lot. Contact Greene County CVB (937-429-9100) or Montgomery County CVB (800-221-8235) for other available locations.

TEMPORARY LOADING PASS
A “Temporary Loading Pass” is available for guests to check heavy or large purchases at the Flea Market Will Call area and return with their vehicle to pick them up. The Will Call area is located along the front fence, next to Gate 1, across from the Flea Market Office. These passes act as a “Claim Check” and will be dated. Pass holders MUST return to the Will Call area via Gate 2 and must pick up their equipment before 6:00 pm on the day the pass was issued. Passes must be forfeited upon picking up the equipment. Once the equipment has been picked up, the guest(s) will be directed to exit through Gate 1. IMPORTANT NOTE: The Dayton Hamvention, Dayton Amateur Radio Association or any of their volunteers are not responsible for any items/equipment checked that are left over night.

Golf Cart Services
The Golf Cart Committee continues to provide no-cost shuttle rides and golf cart rides for customers to/from the ADA parking area and the general parking areas from 7:00 a.m. - one hour after closing. The golf carts can take you to the Flea Market Entrance. For safety reasons, we do not take passengers in and out of the Flea Market area.

The Analog Discovery
Ham Radio Workbench Bundle

“Every ham radio workbench needs an oscilloscope, waveform generator, voltmeter, data logger, logic analyzer, and spectrum analyzer. The Analog Discovery 2 includes all these and more in a compact USB-connected device.”
- George Zafiropoulos, Ham Radio Workbench Podcast

Visit the Digilent booth for more information and a special Hamvention exclusive promotion!

Scootaround Mobility Product Rentals

SCOOTERS
Are you planning on attending? An electric scooter or wheelchair will ensure that you are able to see as much of the convention as possible.

While ScootAround will make every effort to accommodate all needs, you are encouraged to reserve in advance! To reserve your equipment call toll free (888) 441-7575 or complete the information form at the link listed below. We are happy to accept Visa and MasterCard for all rentals!

Website Rental Form: http://locations.scootaround.com/DaytonHamvention
NEW THIS YEAR!
SHERIFF’S DEPT. TEXT MESSAGING SYSTEM
For traffic, weather, and other emergency messages:
Text “Hamvention18” to 888777

Mesh Networks
Hosted By
The Miami Valley Mesh Alliance

On Air: Channel -2 at 10 MHz  SSID: AREDN-10-v3
Forum: Andre Hansen K6AH - Sat 1:30 PM, Room 2
Booth: Building 1, #1001

AREDN Classes  At Booth – See Booth for Schedules
• Introduction to Mesh Technology
• Mesh Implementation Techniques
• Network Planning and Link Performance Estimation
• VOIP Applications for Rapid Deployment
• Mesh Network Applications for EmComm
• Network Performance Metrics and Tools
• How to “Un-Brick” a Mesh Node
• WinLink integration with Mesh
• Live streaming video cameras
• Using MeshChat
• How to Setup Node Location Data

www.miamivalleymesh.org      www.aredn.org

ADVERTISING
Hamvention always welcomes new advertisers. If you are interested in advertising with us in future years please contact program@hamvention.org
Be sure to enjoy the Greater Dayton area restaurants, attractions, and shops while you’re here!

For more information contact us today at 800.221.8235 or daytoncvb.com.

@daytoncvb
#DaytonHamvention  #DiscoverDayton
Remembering Jerry Miller, WD8QAI, SK

Hamvention/DARA lost an astonishing friend and dedicated volunteer this past February. Jerry Miller, WD8QAI has been a prime mover within our club and Hamvention for many years. He was the lead board member spearheading the design and construction of our beautiful club house. Jerry is the long time publisher of the Hamvention program as well as our monthly newsletter. He served many years on the DARA board and successfully chaired other Hamvention and DARA functions. He also chronicled years of club activities by always being there with his camera. Losing Jerry has left a huge void we scramble to fill. He was someone we could count on as a friend and guide; someone who researched outcomes thoroughly. He was a respected man of integrity and vision, job well done, Jerry! The Amateur Radio Community is grateful for your service.
De.. W8CI Michael Kalter
Welcome

May 17-19, 2018

Greetings from the Office of the Mayor

On behalf of the City of Xenia, welcome to the Xenia community! It is an honor to once again be the host city for Hamvention.

Xenia is known as the “City of Hospitality.” With that in mind, I’d like to personally invite you to take advantage of the Xenia area resources and visit the local businesses, where you have worked hard to prepare for your visit, and they are excited to showcase their establishments to you.

Xenia also boasts being the bicycle capital of the Midwest. Whether on a bike or taking a walk, it’s easy to enjoy the nationally recognized trails and parks throughout the community. Also, don’t forget to explore landmarks such as the Charles Young Buffalo Soldiers National Monument, the National Auto-American Museum, and the Greene County Ohio Historical Society.

Hamvention has a full schedule, but I do hope you are able to take some time to enjoy our community! Xenia is proud to be the City of Hospitality, and we look forward to living up to our name!

Again, welcome to Hamvention, and don’t forget to Explore Xenia!

Sincerely,

Sarah L. Maree
Mayor, City of Xenia, Ohio
Hamvention Represented Around the World

In 2012 the DARA Board wanted to reciprocate the European presence at Dayton Hamvention. Since then we have been sending a team to Friedrichshafen, Germany to set up a booth and work the Ham Radio International event there. We take information about Dayton Hamvention and about DARA. Last year we had 57 countries from all around the globe in attendance at Dayton Hamvention.
DARA is spreading the word with a booth and a team of our members taking advantage of plenty of international networking opportunities in both Germany at Friedrichschafen’s Ham Radio and in Japan at Tokyo’s Ham Fair!
Affiliated Events

Multi-Day Events

FDIM (Four Days in May)
May 17-20
Holiday Inn, Fairborn, Ohio
-Thur, May 17 QRP Symposium
-Thur, May 17, 8-10 pm
Vendor Night. Free of charge
-Fri, May 18, 8-10 pm
QRP Club Night. Free of charge.
Homebrew Contest (entries 7-8pm)

Contest Super Suite
Wed, May 15 – Sat, May 19, 7:00 pm – 2 am
Crowne Plaza Dayton, 33 East 5th St, Dayton, OH 45402
2nd floor – Harding, McKinley, Garfield and Harrison rooms
Wednesday, May 16
Contest University registration from 8pm to 10 pm
Pizza party in the Harding Room sponsored by Mad River Radio Club (MRRC), Frankford Radio Club (FRC) and the North Coast Contesters (NCC) 10:30 pm
Thursday, May 17
Pizza and Wing party in the Harding Room sponsored by K3WW, K3LR and The Society of Midwest Contesters (SMC) 10:30 pm
Friday, May 18
“Working by Numbers Band” Live in The Presidential Ballroom, 2nd floor of The Crowne Plaza 10:00 pm
Pizza Party in the Harding Room sponsored by The Potomac Valley Radio Club (PVRC) 11:00 pm
Saturday, May 19
Pizza Party in the Harding Room sponsored by The Yankee Clipper Contest Club (YCCC) 11:00 pm
http://www.contestsupersuite.com

Winlink RMS eMail Server
The Ohio ARES District 3 Winlink Radio Message Server (RMS) Gateway, W8GCA is available to Hamvention Participants on 445.01 MHz.

Amateur Satellite Demonstrations
Amateur Satellite operation demonstrations will be held every day outside the main Maxim Hall (Building 1 or E1) entrance. AMSAT will be demonstrating actual contacts with the operational amateur satellites. We especially 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 and in the demo area.

Friday Affiliated Events

AMSAT Dinner
The 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 17, 7am – 5pm
Crowne Plaza Dayton, 33 East 5th St., Dayton, OH 45402
Contest University will be held on Thursday May 17, 2018, from 7:00 am to 5:00 pm., at the Crowne Plaza Hotel in Dayton, Ohio. This is the day before Hamvention officially opens. Don’t miss this rare opportunity to gain knowledge from some of the top contesters, 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 winner’s circle today! Advance registration is needed.
http://contestuniversity.com

AMSAT/TAPR Banquet
Friday, 18 May 2018, 6:30pm-9pm
The twelfth annual AMSAT/TAPR Banquet will be held at the Kohler Presidential Center on Friday 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.

We are pleased to announce that Jeri Ellsworth, AI6TK will be our speaker. Jeri will present her innovative ideas and adventures in Amateur Radio. Jeri is an American entrepreneur, self-taught engineer, and an autodidact computer chip designer and inventor.

In 2016, she passed all three amateur radio exams, earned her Amateur Extra license, and received the AI6TK callsign. This has now launched new adventures into Amateur Radio. She has been featured in January 2017 QST and in YouTube videos from Quartzfest earlier this year. Jeri has been given a fairly free hand to speak on whatever topic she wishes (as long as it’s amateur radio, somewhat).

Tickets ($37 each) may be purchased from the AMSAT store. The banquet ticket purchase deadline is Tuesday, May 15th. Banquet tickets must be purchased in advance and will not be sold at the AMSAT booth. There will be no tickets to pick up at the AMSAT booth. Tickets purchased on-line will be maintained on a list with check-in at the door at the banquet center. Seating is limited to the number of meals reserved with the Kohler caterers based on the number of tickets sold by the deadline.

26th Annual Dayton Contest Dinner
Sat, May 19 Presidential Ballroom, 5:30 pm social hour, 6:30 pm dinner
Crowne Plaza Dayton, 33 East 5th St, Dayton, OH 45402
The North Coast Contesters are proud to announce The 26th Annual Dayton Contest Dinner. Master of Ceremonies is John Dorr, K1AR. The 2018 CQ Contest Hall of Fame Inductions will be formally announced by Dave Siddall, K3ZJ. The keynote dinner speaker will be WRTC Chairman, Chris Janssen, DL1MGB. Space is limited, however, you can reserve tables for 10 or 12. Reservations in advance only.
http://www.contestdinner.com

ATV Friday Night dinner.
The ATV Friday Night Dinner will be at China Garden Buffet restaurant starting at 6:30PM on 112 Woodman Drive in Dayton, Ohio 45431 (Airway Shopping Center). Buffet Dinner $11.99 (937-781-9999). We have dinner then presentations about various ATV topics and door prizes concluding about 9:30PM. All are invited.

SWODXA Dinner
Friday, May 18, 6 PM
The Dayton Marriott
1414 S. Patterson Blvd. Dayton, Oh 45409
Cash bar- 5:30-11 pm
info@swodxaevents.org
Affiliated Events

Saturday Affiliated Events

Annual CW Pileup Competition
Kansas City DX Club Hospitality Suite
Dayton Crowne Plaza Hotel - Suite 525
Saturday nights beginning at 8pm.

Contest Dinner – 26th Annual event
Sat, May 19 Presidential Ballroom, 5:30 pm social hour, 6:30 pm dinner
Crowne Plaza Dayton, 33 East 5th St, Dayton, OH 45402
http://www.contestdinner.com

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!
At DARA (W8BI) we have members who are passionate about utilizing our fantastic club-house and keeping our station on the air. If you hear us on the air be sure to make contact. You could see your QSL card printed in the program in future years. Here are just a few of the contacts W8BI made over the past 12 months!
2018 Dayton Hamvention Committee

Row 1 (Left to Right): George Iwings WD8NHI, Gary Mullins K8UW, Jim Simpson WB8QZ, Rob Gaider WD8CXY, Thomas Gross KDGVL, Hazel Everetts K8PTL, Janey Ruminski KB8PM, Linda Kantler W8AAV, Nancy Krodel KC8RMT, Mike Beuhler N8XGA, Susan Jebens KD8FP, Melissa Markland KD8LZH

Row 2: Don Parker KB8PSL, Joe Bickley KD8YXY, John Lombardo KD8EMV, William Serrao W6CAN, Jim Storms AB8YK, Bill Sarda N8NI, Jeff Ullery KD8SHF, Dave Forbes KD8FO, Randy Midkiff WB8ART, Jim Frey WB8ZS, Ron Crand KD8ENJ

Row 3: Larry Sack N8QNM, Terry Scott NV8E, Jim Thuermer KB8SQ, Bob Baker N8ADO, Steve Coop A8UD, Andrew Anderson N8YJ, Jeff Everetts N8IBW, Frank Beforet WS8B, Chris Beforet KD8CNY, James Tiderman N8IDS, Bob Pitsch KC8UYG, James Tiderman N8IDS

Row 4: Charles Wright K8MID, Jim Schottinger W8PILZ, Dave Tricht N8YFO, John Brown AC8UW, Henry Ruminski W8JR, Charles Kaiser KD8IZK, Ed Collins KB5NUL, Ron Moorefield W8HL, Dave Crawford K5KWW, Brian Matland N8UDQ, Minnix K8YMC, Robben Meeks W8GUC, Michael Kalter W8CI, Stan Leeds KC7EH, Rick Durrenberg K6OMM, Rick Alnutt WS8G, Joe Machnio N8QOD
2018 Dayton Hamvention Committee

Administration
General Chairman Ron Cramer, KD8ENJ  Assistant General Chairman Jack Gerbs WB8SCT

Admin ................................................................. Special Asst. To Gen. Chair .................... Shaw Jim ........................................... AL7BA
Finance ............................................................. Chair ........................................ Kalter Michael ....................................... W8CI
Finance ............................................................. Assistant Chair ............................. Beford Frank ...................................... W8BF
Incoming Mail ..................................................... Chair ........................................ Yager Keith ....................................... KD8UYT
Information-Phone Line ..................................... Co-Chair ..................................... Roberts Lynn ....................................... N8JK
Information-Phone Line ..................................... Co-Chair ..................................... Roberts Shirley ....................................... N8LX

COMMITTEES

Booth Tracker ..................................................... Chair ......................................... Coy Steve .......................................... K8UD
Committee & Volunteer Services ................................ Chair ............................... Everetts Jeff ........................................ N8IBW
Committee & Volunteer Services ................................ Chair ............................... Everetts Ron .......................................... KD8DJ
Fairgrounds ........................................................... Liaison ................................. Cramer Ron .......................................... KD8ENJ
Golf Carts ............................................................... Assistant Chair ....................... Buehler Mike .......................................... N8XGA
IT Infrastructure ........................................................... Chair ............................. Beford Chris .......................................... KD8UYG
IT Infrastructure ........................................................... Assistant Chair ....................... Ewing George .......................................... WD8NH
Visual Information .......................................................... Chair ............................ Koogler Steve .......................................... K8DZ
Visual Information ........................................................... Assistant Chair ....................... Forbes Dave .......................................... KD8FO
Visual Information ........................................................... Assistant Chair ....................... Schoettinger Jim .......................................... W8PLZ
Flea Market ............................................................... Co-Chair ......................................... Trite Dave .......................................... N8RAT
Flea Market ............................................................... Assistant Chair ....................... Coy Rick .......................................... K6GOOM
Inside Exhibits .......................................................... Chair ...................................... Markland Brian ......................................... N8UDQ
Inside Exhibits .......................................................... Assistant Chair ....................... Leeds Stan .......................................... KC7EHJ
Inside Exhibits .......................................................... Inside Liaison ......................... Gauder Rob .......................................... WD8C6V
Inside Exhibits .......................................................... Inside Manager ....................... Markland Melissa ........................................ KD8LZH
Advance Registration .......................................................... Chair ............................ Storms Jim .......................................... KD8YK
Advance Registration .......................................................... Assistant Chair ....................... Midkiff Ron .......................................... W8IZ
Ambassador-at-Large .................................................... Ambassador at Large .................... Moorefield Ed .......................................... N8NI
DARA Membership ..................................................... Chair ....................................... Devoe Jeff .......................................... K8JTD
DARA Membership ..................................................... Assistant Chair ....................... Serrato William .......................................... W8C4N
Information-Booth .......................................................... Chair ............................... Thuermer Jon .......................................... K8B8RQ
Information-Booth .......................................................... Assistant Chair ....................... Jebeens Susan .......................................... KD8AFP
Golf Cart Mail .............................................................. Chair ...................................... Kaiser Linda .......................................... N8PAV
Outgoing Mail .............................................................. Assistant Chair ....................... Frey Chuck .......................................... K8PMB
Marketing .............................................................. Chair ........................................ Wright Henry .......................................... W8HR
Media ................................................................. Chair .......................................... Ruminia Dan .......................................... KD8YN
Programs & Publications ............................................... Chair ........................................ Wright Chuck .......................................... K8PMB
Programs & Publications ............................................... Assistant Chair ....................... Kalter Lisa .......................................... KD8AV
Talk-In ................................................................. Chair ........................................ Mullins Gary .......................................... K8UW
Talk-In ................................................................. Assistant Chair ....................... Sammons Gary .......................................... W8SAM
Webmaster ............................................................... Chair ........................................ Markland Brian ......................................... N8UDQ
Webmaster ............................................................... Assistant Chair ....................... Ruminia Henry .......................................... W8HR
ARRL Relations .......................................................... Liaison ................................. Tessner Mark .......................................... K8B8Z
Live Stream ............................................................... Chair ........................................... Pitch Bob .......................................... AC8SL
Live Stream ............................................................... Assistant Chair ....................... Simpson Jim .......................................... W8BQZZ
Awards ................................................................. Co-Chair ..................................... Beafons Tom .......................................... KD8VLS
Awards ................................................................. Co-Chair ..................................... Kalter Jeff .......................................... KD8SHF
Balloons ................................................................. Chair ........................................ Muchnij Joe .......................................... N8QOD
Forums ................................................................. Chair ........................................ Scott Terry .......................................... NV8E
Forums ................................................................. Assistant Chair ....................... Meeks Reuben .......................................... W8GUC
International Relations ................................................... Chair ...................................... Alnutt Rick .......................................... W8NG
International Relations ................................................... Assistant Chair ....................... Morton Paul .......................................... KG8XY
License Exams .............................................................. Chair ...................................... Jebeens Chris .......................................... K8U
License Exams .............................................................. Assistant Chair ....................... Crawford Dave .......................................... K4KWW
Open House .............................................................. Chair ........................................ Lunsford Rob .......................................... KB8EUY
Prizes ................................................................. Chair ........................................ Serra Bill .......................................... N8NRT
Prizes ................................................................. Assistant Chair ....................... Nies Jim .......................................... WX8F
Special Event Station .......................................................... Chair ...................................... Mathis John .......................................... WA5PAC
Special Event Station .......................................................... Assistant Chair ....................... Lamb Charlie .......................................... W4JKZ
Special Event Station .......................................................... Assistant Chair Local ........................................... Tom .......................................... KD8VLS
Youth Tech .............................................................. Chair ........................................ Ullery Jeff .......................................... K8DUO
Youth Tech .............................................................. School Outreach ......................... Hong Jeremy .......................................... K8B8GL
Communications .......................................................... Chair ...................................... Crawford Mike .......................................... K8B8GL
Communications .......................................................... Assistant Chair ....................... Baker Bob .......................................... N8ADO
On-Site Signs and Fences .......................................................... Chair ...................................... Brown Phil .......................................... AC8UW
On-Site Signs and Fences .......................................................... Assistant Chair ....................... Binkley Joe .......................................... KD8PY
On-Site Signs and Fences .......................................................... Assistant Chair ....................... Apple Larry .......................................... N8MYQ
Parking ................................................................. Chair ........................................ Cross Tom .......................................... KD8LS
Parking ................................................................. Assistant Chair ....................... Parker Don .......................................... KB8PSL
Security ................................................................. Chair ........................................ Lombardo John .......................................... KD8EM
Security ................................................................. Assistant Chair ....................... Sack Larry .......................................... N8QM
Off-Site Signing ........................................................... Chair ........................................ Sack Larry .......................................... N8QM

2018 Dayton Hamvention Committee Administration
General Chairman Ron Cramer, KD8ENJ  Assistant General Chairman Jack Gerbs WB8SCT
2018 DARA Local Scholarship

In the fall of 2011 the Dayton Amateur Radio Association (DARA) saw a need to help young local radio amateurs attend college. They created a scholarship program for local students and a committee was created to supervise the local scholarship program. Thus far we have awarded 12 scholarships. The $1500.00 scholarships are to be used for tuition, books or other related expenses. The student is required to be an active DARA member with a minimum of one year membership history and must hold an FCC Amateur Radio License. The scholarship must be used for continuing education in a math or science related field in an accredited two or four year university program.

Future Scholarships

The ARRL Foundation will be announcing the recipients of DARA 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. See this year’s winners on pages 56 and 57.

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

1. Rader's Ice Cream
2. Louisiana Grill
   Bourbon Chicken
3. The Tin Cup Tea Cart
4. R + B Food
   Breakfast Sandwiches
5. Hawkins Family BBQ
6. Greene Co. Cattlemen
7. Down's Cajun Food
8. Steak on a Stick
9. Cork & Bottle
   Grilled Pork Chops
10. Granny Framers Noodles
11. Pizza
12. Sausage
13. Corn Dog, Chicken
    & Fries
14. Jean's Home Cooking
15. Kettle Corn &
    Cheesecake on a stick
16. Hamburgers &
    Breakfast Sandwiches
17. Steak on a Stick
18. Soft Serve Ice Cream
19. Fish Caboose
20. Rib-in-it-ribs
21. Los Marchese's
    Mexican Food
22. Beer Tent
23. Mr Mojo coffee
24. Young's Cheese Curds
    & Ice Cream
25. Lions Club - water
    Flea Market Infield
<table>
<thead>
<tr>
<th>Exhibitor Name</th>
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Overview Map of Grounds

Inside Exhibits
- E1 Maxim - 1000's
- E2 Tesla - 2000's
- E3 Marconi - 3000's
- E4 Volta - 4000's
- E5 Hertz - 5000's
- E6 Watt - 6000's

Flea Market
- FF Front Lot
- FW West Infield
- FE East Infield
- FG Grandstand

Forums
- F1 Forum 1
- F2 Forum 2
- F3 Forum 3
- F4 Forum 4
- F5 Forum 5
ARRL Exhibit & Activities Guide

ARRL EXPO – Welcome!
ARRL, the national association for Amateur Radio®, welcomes all members and friends to Hamvention®, the 2018 ARRL Great Lakes Division Convention. Use this handy guide to find ARRL-sponsored activities, exhibits and program representatives.
ARRL EXPO is a large exhibit area located in “Tesla” Building 2.
   Rick Roderick, K5UR – ARRL President
   Dale Williams, WA8EFK – Great Lakes Division Director
   Thomas Delaney, WB8WTD – Vice Director
   Scott Yonally, N8SY – Ohio Section Manager

Special Guests
ARRL welcomes these volunteers to Hamvention, recognized for their leadership throughout the response by Amateur Radio operators to the devastating 2017 hurricanes in Caribbean.
   Andy Anderson, KP4AAN – ARRL and American Red Cross volunteer
   Valerie Hotzfeld, N7VL – ARRL and American Red Cross volunteer
   Oscar Resto, KP4RF – ARRL Section Manager, Puerto Rico
   Fred Kleber, K9VV – ARRL Section Manager, US Virgin Islands

ARRL Store
Visit the HUGE ARRL bookstore to join, renew or extend your ARRL membership, and get the latest publications, supplies, and official ARRL merchandise.
   - FREE Gift when you join, renew, or extend your ARRL membership at the show.
   - FREE Gift for ARRL Life Members when you stop by the ARRL Store.
   - FREE ARRL EXPO 2018 Button!

2018 ARRL Field Day and International Grid Chase – Get in the Chase! This year, many groups and participants may choose to combine 2018 Field Day with ARRL’s yearlong operating event, the International Grid Chase (IGC) – working stations in as many grid squares as possible and uploading log data to ARRL’s Logbook of The World (LoTW). ARRL Field Day is June 23-24, 2018. Gear up for these popular on-air events with official shirts, pins, hats, and more!

Meet the Authors – Meet ARRL authors and editors who are inspiring today’s radio experimenters, operators and innovators. (see schedule in the ARRL exhibit area)

ARRL Exhibits...
   - ARRL Public Service – featuring ARRL Ham Aid.
   - ARRL Collegiate Amateur Radio Initiative. We Want U to help advance ham radio among college and university students.
   - Learning... with ARRL. Meet ARRL Education & Technology Program Instructors and explore the resources available for introducing radio science and wireless technology to everyone! Find ways to make, discover, experiment, explore, and build.
   - Radiosport and DXCC. DXCC Card Checking; ARRL Contests and Awards; The ARRL Logbook of the World (LoTW); QSL Bureau; and featuring the 2018 ARRL International Grid Chase.
   - ARRL Development and ARRL Foundation
   - ARRL Field Organization Volunteers – Visit this gathering area for ARRL Field Organization networking, hosted by the ARRL Ohio Section.
   - ARRL Visa® Card – U.S. Bank
   - The International Amateur Radio Union (IARU) – Meet representatives from the IARU.
Training Track: Public Service Communications
(Room 3; see forum schedule)

The theme for this year’s Hamvention is “Amateur Radio...Serving the Community.” Attend three or more of the ARRL-sponsored Public Service Communications forums, and earn an ARRL certificate in recognition of your commitment to ham radio public service training and development.

Friday May 18, 2018
#1: Getting Started in Public Service Communications
#2: Building Partnerships

Saturday May 19, 2018
#3: Panel Discussion
#4: Stories from the 2017 Hurricanes

ARRL Stage: Spotlight on Public Service Communications
Drop-in to enjoy short public-service-themed presentations throughout the convention. The nearby Public Service exhibit will include a display of ARRL Ham Aid equipment, which received much attention and significant donor support following last year’s hurricanes. (see schedule posted near the ARRL Stage in the ARRL exhibit area)

Presentation: The 2018 ARRL International Humanitarian Award
Saturday May 19 – 1:30 PM (Room 3)
The ARRL Board of Directors has conferred the 2018 International Humanitarian Award jointly on the radio amateurs of Puerto Rico and the US Virgin Islands, for the efforts made by many hams who aided in relief and recovery after a punishing 2017 hurricane season in the Caribbean.

ARRL-sponsored Forums (see forum schedule)
Friday May 18, 2018
- ARRL International Grid Chase 2018 -- Get In the Chase!

Saturday May 19, 2018
- ARRL Member Forum
- ARRL Collegiate Amateur Radio Initiative

Sunday May 20, 2018
- Reaching the Public with Ham Radio

Thank you!
ARRL expresses its gratitude to the 2018 Hamvention® Committee, Dayton Amateur Radio Association, and all the volunteers who contributed to the success of ARRL EXPO 2018 in Xenia, Ohio.
Major Prize Donor List for 2018

Alfa Radio
American Radio Relay League
Belden Wire
Capitol Electronics
DX Engineering
Ham Radio Deluxe

Icom
Kenwood
RFinders
RT Systems
SteppIR Antenna Systems
Universal Radio
Yaesu

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

2018 Dayton Hamvention Major Prizes

- Alfa Antenna Rotor
- ARRL Gift Certificates
- Belden Wire Gift Certificates
- DX Engineering HF-9V
- DX Engineering TW-5
- HRD Software Suites
- IC-7610
- IC-7300
- ID-51A
- ID-5100A Deluxe
- ID-4100A
- ID-2730A
- IC-2300H
- Kenwood Radios
- K1DU Radio and subscription from RFinders
- RT Systems Gift Certificates
- SteppIR Antenna
- Universal Radio Assorted Prizes
- FT-991A
- FT-891
- FT-400XDR Three Radios
- FT-70DR Six Radios
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<th>Prize Donor List 2018</th>
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<td>Air Chair</td>
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<td>ALFA Radio</td>
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<td>Alpha Antenna</td>
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<td>Amateur TV Quarterly</td>
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<td>American Radio Relay League</td>
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<td>AMSAT</td>
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<td>Array Solutions</td>
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<td>ARISS - Amateur Radio on International Space Station</td>
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**Forums**

**Friday, May 18th**

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<tr>
<th>Time</th>
<th>Room</th>
<th>Event</th>
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| 9:15-10:30    | Room 1 | **TAPR Forum**  
**Moderator: Scotty Cowling, WA2DFI**  
Scotty was first licensed in 1967 and has been continuously active since that time. He is active while mobile on HF CW and on APRS. Scotty is an advisor for Explorer Post 599, a BSA affiliated ham club for teens in the Phoenix area.  
9:15 – 9:25AM Introduction by Steve Bible, N7HPR, TAPR President  
9:25 – 9:30AM Write for QST/QEX by Steve Ford, WB8IMY QST Editor  
9:30 – 9:55AM “SDR vs Legacy Radio” by Adam Farson, VA7OJ/AB4OJ  
9:55 – 10:20AM “Collecting Solar Eclipse Data using SDR, plus a Low Noise VHF/UHF Synthesizer” by John Ackerman, N8UR  
Abstract: Using an SDR to collect data during the “Great American Eclipse” on August 21, 2017, and a Versatile Low-Noise VHF/UHF Synthesizer.  
10:20 – 10:30AM “What is HamSCI?” by Nathaniel Frissell, W2NAF  
Bio: Nathaniel Frissell, W2NAF, is a research professor with the New Jersey Institute of Technology Center for Solar-Terrestrial Research. Nathaniel’s interest in ionospheric science began in middle school when he was introduced to amateur radio through scouting. |
| 9:15-10:15    | Room 2 | **Remote Access to your Amateur Radio Station**  
**Moderator: Mark Aaker K6UFO**  
Speaker: Ria Jairam N2RJ, FlexRadio Systems Community Elmer.  
Remote access makes your station more useful and enjoyable. Let’s get you online quicker, and avoid the common problems, with an overview of remote access methods being successfully used today. We’ll also feature a remote operator speaking about the new SmartLink remote access software released from FlexRadio Systems and shipped with their SmartSDR 2.0 software. And yes, we’ll save time for your Questions and Answers!  
Extra Class license and the General Radiotelephone Operator’s License. His on-the-air interests include emergency communications, contesting, and digital modes. He is the author of the National Interoperability Field Operations Guide (NIFOG), which is widely used by public safety and emergency communications professionals across the country.” |
| 9:15-10:30    | Room 3 | **ARRL Public Service Communications**  
Presenter: Ken Bailey, K1FUG, ARRL Emergency Preparedness Assistant and Continuing Education Program Administrator Amateur Radio operators have a history of helping their communities by providing radio communications in good times and in bad. You need to prepare yourself. Preparedness is about training so you will be ready when called upon. Being ready is about believing it can happen and taking steps needed to act properly when things go bad.  
This forum is for the newly licensed ham, and for those new to public service and emergency communications who want to learn how to do more for their community. Sponsored by ARRL, the national association for Amateur Radio. |
| 9:15-10:15    | Room 4 | **SHARES HF EMCOMM**  
**Moderator Ross Merlin WA2WDT** |
SHARES (SHAred RESources) is a Federal government HF radio program for backup communications and interoperability among Federal agencies and Federally-affiliated entities that have a need to send or receive national security or emergency preparedness communications such as state agencies, county emergency management agencies, and critical infrastructure / key resources providers (telecommunications, energy, healthcare, transportation etc.). This session will include both an introduction to SHARES for potential users and an open forum for audience members to discuss program issues with the SHARES Program Office staff.

Ross Merlin, WA2WDT, is the SHARES Program Manager. He holds an Amateur Extra Class license and the General Radiotelephone Operator’s License. His on-the-air interests include emergency communications, contesting, and digital modes. He is the author of the National Interoperability Field Operations Guide (NIFOG), which is widely used by public safety and emergency communications professionals across the country.

**9:15-10:30 Room 5**

**Parks On The Air**

**Moderators: W8TAM Thomas Martin & K8VOX Julie Martin**

Like many, Thomas and Julie began their love affair with portable operating with the National Parks on the Air program. To date, they have activated over 100 parks in nearly a dozen states.

Why Parks On The Air?

How to be a conscientious participant.

Gear, techniques, planning, and execution.

Friends and pileups await you on the bands. Join in the fun!

**10:45-11:45 Room 1**

**APRS Forum**

APRS continues to expand into more areas. Bob Bruninga, WB4APR will give an update on the state of APRS and the opportunities for APRS via the several Amateur Satellites in orbit and in work. Don Arnold, W6GPS will talk about the new Kenwood TH-D74 combined APRS and Dstar radio and Bryan Hoyer K7UDR will talk about the APRS-of-Things and Sterling Coffey N0SSC will talk about all the APRS tablet and phone applications. Others will update on their APRS projects and as time permits, other APRS topics from the floor are welcome.

**10:30-11:30 Room 2**

**Combined MARS Forum Hamvention 2018 (UNCLASSIFIED)**

**Presentations to be given by David McGinnis and Dave Stapchuk.**

Paul English, A CIV US ARMY NETCOM(US)The Military Auxiliary Radio System is a Department of Defense sponsored organization the trains FCC licensed amateur radio volunteers in military communications procedures and digital messaging protocols in order to provide contingency HF communications support to the Department of Defense and Military Services. The MARS forum this year will focus on lessons learned from contingency support provided by our MARS volunteers during the 2017 hurricane season in both Texas and Puerto Rico. Presenters will demonstrate the newest military HF radio, the PRC-160 tactical wide band HF radio that will soon be fielded to military units worldwide. Additionally, presenters will discuss the latest developments in the MARS RADIO phone patch network which supports the
military services with HF phone patch.

10:40-11:40 Room 3 Antennas for Emergencies Forum
Frank J. Beafore, WS8B
This presentation will be in forum style with everyone participating in the
discussion. The forum will look at emergency situations, currently off the
shelf (COTS) products available and homebrew solutions based on simple
antenna theory. Participants should be better prepared for a variety of
emergency situations after attending this forum.

10:30-11:30 Room 4 2018 Hamvention Instructors’ Forum
Moderated by Carole Perry WB2MGP
This forum is for teachers and instructors to share techniques and new ideas
for the classroom and ham radio youth groups. There will be an emphasis on
suggestions for teaching youth about emergency preparedness and how to tie it
in to geography, social studies, and amateur radio skills.
There will be excellent opportunities for networking along with great door prizes.
Speaker will be Charles Kirmuss W0CBK who is an RCA Youth Activities
volunteer as well as Director of Rampart Search and Rescue for Adams,
Lincoln and Morgan Colorado Counties Sheriff’s Department.
Topic: Teaching Emergency Preparedness through radio communications;
including weather watching, navigation with maps and gps, environmental
observations, first aid, search techniques, etc; Discussion on how to organize
teenagers into volunteer emergency programs (CERT, SAR, ARES).

12:00-1:45 Room 1 Homeland Security Forum
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 at this year’s forum and learn about the nationally recognized, NIMS/
ICS compliant, AUXCOMM course. In this forum you will learn about the
latest changes for COMU training (aka COMU 2.0) and be updated about the
new COMU courses that are currently in development and are expected to be
deployed in the not so distant future. Additionally, OEC will bring in subject
matter experts that were on the ground and directly involved with deployment
and operations of AUXCOMM operations during last year’s hurricanes. This
forum is filled with new information that will be beneficial to all those who
provide emergency communications support to the Public Safety community. Moderator for this Forum: John Peterson (N4KEA), from the Office of Emergency Communications in Washington, DC, will be the lead for this information packed forum.

11:45-1:00 Room 2 D-Star
Moderator Robin Cutshaw, AA4RC
New devices. New software. Join Robin Cutshaw (AA4RC) and more for updates on D-STAR.

11:50-1:05 Room 3 ARRL Public Service Communications #2: Building Partnerships
Presenters: Mike Corey, K11U, ARRL Emergency Preparedness Manager
Sarah Byrne, Community Partners Specialist, External Affairs, FEMA
Solid, collaborative, and mutually beneficial partnerships are key to successful disaster and emergency response. Amateur Radio public service groups rely on such partnership when serving their communities. This session will address how to build and grow partnerships of different levels of complexity, across a wide range of interests and organizations -- from Voluntary Organizations Active in Disasters (VOADs), to other non-profits and businesses. Sponsored by ARRL, the national association for Amateur Radio.

11:45-12:45 Room 4 Kit Building
Moderator/Keynote Speaker: Joe Eisenberg, K0NEB
Kit Building Editor, CQ Magazine “Kit Building Techniques for Success”
A look at ideas for making your kit building experience go better and give you the highest chance for success. This forum is designed for both beginning and experienced builders. Topics to be covered include choosing the correct soldering iron and not break the bank, choosing the best type of solder and desoldering tools, how to handle winding toroids, sorting parts, and what spare parts to have on hand. If possible, onsite sources for these items will be given. Speaker: David M Cripe, NM0S Engineer, Rockwell Collins and designer of many 4-State QRP kits.
Introducing the new 4SQRP kits for 2018 and what is coming in the future, and using printed circuit boards to make the cases, including the design and assembly hints.

11:45-1:15 Room 5 BalloonSat Forum Program
Moderators: Bill Brown WB8ELK and Doug Loughmiller W5BL
Great Plains Superlaunch Pico Balloon Race -Bill Brown WB8ELK
Solar Eclipse Balloon Flight- Paul Verhage KD4STH (talk presented by Bill Brown WB8ELK). National Scout Jamboree Balloon Flights-Keith Kaiser WA0TJT and Mike Yammime KB8CMS. Promoting STEM with High Altitude Balloons and Drones- Brian Tanner, Spaceport Indiana. A Pico Balloon Race will be launched after the BalloonSat Forum

1:15-2:30 Room 2 National Weather Service Forum
Working With Amateur Radio ... To Save Lives During Severe Weather
Moderated By: Brandon Peloquin, Warning Coordination Meteorologist,
National Weather Service Wilmington OH
NOAA’s Weather–Ready Nation initiative is about building community resilience in the face of increasing vulnerability to extreme weather and water events. To achieve this, the National Weather Service (NWS) strives to develop and strengthen partnerships with those who contribute to this initiative. This presentation will describe the partnership between Amateur Radio operators and the NWS and how they work together to help communities be better prepared for severe weather.

1:15-2:15 Room 3 Collins Radio Association
Moderator and speaker: David Knepper, W3ST, Secretary to the Collins Radio Association
Emergency Preparedness Deployment of Collins Radio Equipment for Public Safety Communications
Collins amateur radio equipment, still has relevance and practicality in providing effective, dependable communications in any natural or man-made catastrophic event. Utilizing its superb capability and dependability, a Collins KWM-2, for example, can still be part of an integrated emergency communication system. This session will describe in detail the packaging of Collins ham equipment that still has relevance and capacity to provide reliable and dependable emergency communications.

1:00-2:15 Room 4 Techniques Of The Best Operators 2018
Mitch Stern W1SJ Tony Pazzola W2BEJ
Now that you’ve bought up all that great stuff at Hamvention, how exactly do you set it all up? Why is working new stations such a struggle? Why does everyone else work the juicy DX but I can’t? Why is it every time I get into a QSO, it ends up getting swallowed up in a blast of QRM? Questions, questions, questions! Our forum today will help you go in the right direction. A good station certainly helps, but knowing WHAT to do and what NOT to do when you get on the air is even more important. We’ll start off with some of the basics of good operating, learn the details for putting together a great station for those portable operations, explore the mysteries of antennas and propagation, dabble with digital, dabble with DX and finally learn how to use contests to become better operators. You won’t be same operator by the end the day and will be a force to be reckoned with on the bands! You will be treated to on-the-air war stories, equipment ideas and super suggestions. Don’t miss it!

1:30-2:30 Room 5 Using KiCad EDA Open Source Design Software
Moderator: Barry Buelow, WØIY. Rockwell Collins
WØIY Retired from 30+ years at Rockwell Collins, plus consulting at NASA, and other aviation manufacturers. Barry spends a great deal of time designing circuits, assembling PCB and tinkering with his 3D printer and toys. He volunteers with the Iowa State Univ Solar Car project and has organized a group of other Collins retirees who do home brewing.
KiCad EDA is one of a very few Open Source Electronic Design Automation suites. It provides tools for schematic capture and PCB layout. The tool is as easy to use as any other design software and provides Gerber outputs which
can go to most PCB shops. It also supports Pick-and-Place operation by providing a component placement file.

2:00-5:00 Room 1 Antenna Forum
Moderator: Tim Duffy K3LR
“A Five Element Parasitic Rotatable Vertical Yagi for 160 meters” by Joel Harrison, W5ZN. Joel will review his installation and operation of his high performance directional antenna system for the 160 meter band. “A Pragmatic Approach to 630 Meter Antennas” by E.M. Tichansky, NO3M Eric will present an overview of practical 630 meter antennas for transmit and receive for all variety of lot sizes. “Near Vertical Incidence Skywave (NVIS) Antenna System Design, Construction and Operation” by Cory Gibson, W3CDG Cory will present a detailed paper using NEC models, construction, deployment and on air validation of NVIS antennas for 40 and 80 meter emergency communications. “Hydro Excavation for Radio Antenna Tower Construction” by Everett Jackson, WZ8P Hydro Excavation is the process of removing or moving soil with pressurized water. An air conveyance or vacuum is then used to transfer the soil or debris to a debris tank. This allows for a non-destructive and more accurate way to excavate soil for tower foundations. There is no need for a backhoe or bulldozer and concrete may be poured more quickly. This allows for a non-destructive and more accurate way to excavate soil for tower foundations. There is no need for a backhoe or bulldozer.

2:45-3:45 Room 2 Ham Radio and the Law
Barney Scholl K3LA
The speaker will address the provisions of The FAA Extension, Safety, and Security Act of 2016 and whether the enacted law will require your current or future antenna support structure to be lighted. The 2016 Act will not affect most radio amateurs, but due to the included definitions, it could affect an existing or future tower. So it is better to be aware of its provisions before you buy that hilltop parcel of land for your future super station.

The speaker is Chester (Barney) Scholl, K3LA. Barney has been a radio amateur for 55 years and is a life member of the ARRL. Barney is now an attorney in private practice. He has represented radio amateurs and cellular companies in tower related matters and currently is solicitor for a local zoning hearing board and a member of a local planning commission.

This session also plans an extended Q & A period for the panel to allow audience members to steer discussions with respect to other topics of interest.

“Legal Liability laws Can Leave You Feeling Naked At Your Next Field Day, Hamfest or Public Event”
Learn how you and your club may avoid poverty and perdition. Adult content, not recommended for the shy or risk adverse. Speaker: The speaker is John Robert Stratton, N5AUS. John, an ARRL Life Member, is the ARRL West Gulf Division Vice-Director and Legislative Director, holds a degree in Aerospace Engineering and is an attorney in private practice specializing in civil litigation.

“Unintended Consequences of the Amateur Radio Parity Act.” Or “What you don’t know may hurt you”.

2018 Dayton Hamvention® Amateur Radio... Serving the Community
Description of presentation. The speaker will address the controversy over the language of the Amateur Radio Parity Act and whether the proposed law will provide any significant relief for radio amateurs living in homeowners associations or under restrictive covenants running with their land. Bob will also discuss the unintended consequences of the proposed law. The Amateur Radio Parity Act will affect many radio amateurs that do not live in a HOA, but are characterized by broad language of the act to be in a community association even if there are no HOA documents or covenants. Also, the proposed statute does not actually guarantee an effective outdoor antenna for many living in an HOA.

The speaker is Bob Famiglio, K3RF. Bob has been a radio amateur for 51 years and is a life member of the ARRL. A graduate electrical engineer, Bob is now an attorney in private practice. He has represented radio amateurs in significant legal disputes involving antennas and HOA restrictions beginning even before the passage of PRB-1.

2:25-3:40 Room 3  ARRL International Grid Chase 2018 -- Get in the Chase!  
Presenter: Bart Jahnke, W9JJ, ARRL Contest Branch Manager  
Come hear an update about ARRL’s year-long on-air event, the ARRL International Grid Chase. Get tips about participating, uploading your log data to ARRL’s Logbook of The World (LoTW), scoring, and awards. Remember, at the end of each month, totals on the Grid Chase leader board reset to zero. Will you be next month’s leader?

2:30-3:30 Room 4  Young Ladies’ Radio League  
Moderator, Anne Manna, WB1ARU  
Young Ladies’ Radio League is sponsoring this Forum for all women, licensed or not. Every woman ham is a “Young Lady” no matter what her age. The forum will provide an opportunity for meeting and networking with others who share our hobby or are interested in finding out more about it. Speakers will provide information on varied interest areas in ham radio including nets, special events, clubs, contests, scouts, emergency preparedness, and more. Bring your questions to the YL Forum and find out about women in Amateur Radio and hear from Young Ladies of all ages! OMs are also welcome to earn awards and are appreciated for their support.

4:00-5:00 Room 2  System Fusion Forum  
Moderator: Mark Thompson, WB9QZB  
Speaker: John Kruk, N9UPC, Sales Manager, Amateur Radio Sales Division, Yaesu USA  
The System Fusion Forum™ will include a presentation & discussion about Yaesu’s System Fusion™ Voice & Data technology designed exclusively for Amateur Radio. The forum will review Yaesu’s System Fusion™ technology including 2m / 70cm Analog FM / C4FM Digital Voice Repeaters and Mobile & Portable radios and WiRES-X™ (Wide-coverage Internet Repeater Enhancement System) & IMRSTM™ (Internet-linked Multi-site Repeater System) VoIP communications linking systems.
Everyone who is using or interested in System Fusion is encouraged to attend and participate to share their experiences & ask your questions about System Fusion.

3:50-5:00  Room 3  Software Defined Radio  
Moderator Stephan Hicks  N5AC  
Multiple speakers will discuss new advances in the world of Software Defined Radio and will form a panel at the end to discuss questions from the audience.  
Moderated by Steve Hicks, N5AC, VP Engineering FlexRadio Systems.

3:45-5:00  Room 4  DMR Networks Forum  
Moderator: John Burningham, W2XAB  
The current state of the DMR networks, radios, and hot spots followed by a short introduction to writing your own code plugs.

Saturday, May 19th

9:15-10:15  Room 1  Drake Equipment  
Moderator: Mark Gilger, WB0IQK  
Supporting user interests and needs for the Drake Equipment  
Resource help with Parts, Documentation, etc. Removal, Disassembly, Cleaning, & Re-installation of the Drake 4-line PTO.  
Tips & Hints - Mark Gilger, WB0IQK  
Speakers: Peter Shilton, VE7PS, Jeff Covelli, WA8SAJ, Mark Gilger, WB0IQK  
Kenwood Legacy Equipment Forum Program Listing  
Kenwood Legacy Equipment ( TS-500 - TS-830 )  
Supporting user interests and needs for the Legacy Kenwood Equipment  
Moderator - Jan Servaites, N8CBX & Mark Gilger, WB0IQK  
Resource help with Parts, Documentation, etc. - Mark Gilger, WB0IQK  
Hybrid relay related problem & fixes - Jan Servaites, N8CBX  
SDR integration into the Legacy line - Mark Gilger, WB0IQK

9:15-12:00  Room 2  Youth Forum 2018  
Moderated by Carole Perry WB2MGP  
Come join the fun and experience the pride by attending our 30th Hamvention Youth Forum.  Bring kids with you to inspire them to join the fun of being a youngster in ham radio. This is where young people will get to meet with other youngsters. Stay tuned for special announcements about fabulous opportunities for young adults in ham radio and at Hamvention. There will be lots of prizes for the speakers, the kids in the audience, and the supportive adults in the audience. You must be present to win! Come and show your support for our talented young hams!

9:15-10:30  Room 3  ARRL Public Service Communications Track #3: Panel Discussion  
Moderator: Mike Corey, K11U, ARRL Emergency Preparedness Manager  
A chance to hear from representatives from Amateur Radio’s largest organizations active during times of disaster and emergency. Sponsored by
HamSCI Forum

Moderator: Nathaniel Frissell, W2NAF
The Ham Radio Science Citizen Investigation (HamSCI) is an organization that allows professional researchers to collaborate with the amateur radio community in scientific investigations. HamSCI aims to advance scientific research and understanding through amateur radio activities, encourage the development of new technologies to support this research, and provide educational opportunities for the amateur community and the general public.

• 9:15- What is HamSCI? (Nathaniel Frissell, W2NAF)
• 9:20- The Bridge Between Radio Amateurs and Space Physicists (Ethan Miller, K8GU and Phil Erickson W1PJE)
• 9:35- After the Storms: Status of the Arecibo Radar/Radio Telescope (Angel Vazquez, Jr., WP3R)
• 9:50- 50 MHz Propagation: Winter Sporadic E and Jet Streams (Joe Dzekевич K1YOW, Presented by Phil Erickson, W1PJE)
• 10:05- Solar Eclipse QSO Party Results (Nathaniel Frissell, W2NAF)
• 10:25- Closing Remarks

Ham Nation

This forum is the meeting place for hundreds of Ham Nation fans. Moderated by Gordon West, Don Wilbanks, Valerie Hotzfeld, Bob Heil and George Thomas they will report on behind the scenes aspect of ham radio’s most popular video web cast which is a part of Leo Laporte's TWIT network. Always a great entertaining forum which brings you lots of news and happenings from the Ham Nation team.

Heil Sound Workshop

Parametric Receive System
After two years of development, Bob Heil will demonstrate how well a perfect designed Parametric equalization system brings new life to any and all receivers. Heil’s specially designed Parametric equalization system drives the 5” woofer and 3” tweeter in a tuned cavity driven by a low distortion 25 watt amplifier. You don’t want to miss experiencing this unique new system.

RTTY Contesting

1. “Will Digital Contesting Migrate from RTTY to FT8?” Ned Stearns, AA7A
FT8 is a new digital mode introduced this past year and has taken the digital DXing world by storm. Almost instantly FT8 dominated the activity over...
RTTY, JT65 and PSK. The WSJT Developers and DXpedition organizers recognized the potential for high QSO rates under marginal propagation conditions and worked together to develop an “FT8 DXpedition Mode”. What does all of this portend for RTTY contesting?
2. “RTTY Transmit Bandwidth Management”, Ed Muns, W0YK
   Most RTTY signals are far wider than they need to be. This causes unnecessary QRM to other stations and reduces the number of stations that can operate successfully in a given band segment. This presentation will describe the problem and the solutions for both AFSK and FSK.
3. “RTTY Contest Q&A”
   This is an opportunity for attendees to have their questions addressed, either pertaining to the presentations or other topics.

10:45-11:45 Room 4 ATV Forum
   Art Towslee, WA8RMC
   Gordon West, WB6NOA, Warms up the ATV Forum with fun audio sounds, couple of one liners and preview of al excitement Mike, WA6SVT, and team are doing for digital ATV on the West coast.
   Selecting, Buying and Building a Hi-Def Digital ATV Station. With the growing availability of Digital ATV gear, Mel will help determine what is needed to assemble your first station or add capability to an existing one. The latest Modulators, Demodulators, Cameras, Amplifiers, and other video devices will be explored in a fast moving and informative presentation on this ever changing technology.

10:30-11:30 Room 5 Kenwood Equipment Forum
   Moderator: Jan Servaites, N8CBX, Mark Gilger, WB0IQK
   Speaker: Jeff Covelli, WA8SAJ
   Kenwood Legacy Equipment Forum Program Listing
   Kenwood Legacy Equipment (TS-500 - TS-830)
   Supporting user interests and needs for the Legacy Kenwood Equipment
   Moderator - Jan Servaites, N8CBX & Mark Gilger, WB0IQK
   Resource help with Parts, Documentation, etc - Mark Gilger, WB0IQK
   Hybrid relay related problem & fixes - Jan Servaites, N8CBX
   SDR integration into the Legacy line - Mark Gilger, WB0IQK
   Tips & Hints : Mark Gilger, WB0IQK
   Questions and Answer session:
   Jan Servaites, N8CBX, Jeff Covelli, WA8SAJ, Mark Gilger, WB0IQK

11:45-1:00 Room 5 National SATERN
   Moderator: Bill Feist WBBZH
   As technology progresses, the domestic and global communications infrastructure has become increasingly robust and resilient. This has led many to believe that there is little or no possibility that this infrastructure can completely fail. The 2017 Atlantic Hurricane Season proved that it really CAN fail - even catastrophically fail - given the right circumstances.
   This talk will be about HOW it failed - particularly in Puerto Rico, the U.S. Virgin Islands and other places in the Caribbean, how the Salvation Army
Team Emergency Radio Network (SATERN) and the general amateur radio community responded to that failure, and the lessons learned from that response.

12:20-1:10 Room 1 Tropo Ducting On 2M Every July - 2500 Miles! 
Moderator: Gordon West, WB6NQA
July is VHF/UHF tropospheric ducting month, all over the USA. Gordo, WB6NOA, will offer live demos on how local high pressure weather systems will refract VHF/UHF radio waves, over hundreds and thousands of miles, simplex, even on FM. Hear the record breaking sounds of this every-July phenomenon, where even a handy talky can work the DX! Hot day, no wind, smoke on the horizon - work tropo! Gordo shows you how.

12:15-1:45 Room 2 Foxhunting & Amateur Radio Transmitter Hunting (ARDF) 
Speakers Bob Frey, WA6EZV and Brian DeYoung, K4BRI
Topics include demonstration and discussions on a variety of equipment and techniques used for VHF and HF mobile, on foot, and ARDF style transmitter hunts. On Saturday afternoon we will be having an on foot foxhunt with multiple transmitters in a local park.

12:00-1:15 Room 3 ARRL Member Forum 
Moderator: Dale Williams, WA8EFK, ARRL Director
Great Lakes Division ARRL is the national association for Amateur Radio in the US. ARRL members help advance the art, science, and enjoyment of Amateur Radio. ARRL publishes the popular monthly journal QST, coordinates an extensive all-volunteer field organization, and serves members as Amateur Radio’s representative voice in regulatory and legislative matters. Hear from local and national ARRL officials on key areas of membership interest. Find out how ARRL supports dozens of ways to get involved, get active, and get on the air. Members and prospective members are all welcome!

12:00-1:00 Room 4 QCWA Forum - 2018 | Ken Oelke, VE6AFO - QCWA President
Reaching Out To Amateur Radio Youth
Celebrating Amateur Radio operators achieving 25 years in Amateur Radio, and developing resources to assist young Amateur Radio operators in furthering their education through the QCWA Scholarship Program. This year we are inviting all past, and hopeful future, recipients of a QCWA scholarship to join and tell us about your activities and achievements, and how the scholarship has assisted you with your education. If you are reading this, please introduce yourself at our forum.
Plan to attend this exciting forum to learn about QCWA Youth Activities and a new QCWA/RCA Youth initiative, as well learn of our support for the ARISS Program and Dave Kalter Memorial Youth DX Adventure. This year we will be holding the Annual Members’ Meeting in conjunction with our forum. Learn of our past achievements, financial and membership growth. This is your forum, so be prepared to become engaged in QCWA’s future! Plan to participate in a lively ‘Question & Answer’ session.
Forums

1:20-3:05 Room 1  Contesting Forum
Moderator: Doug Grant, K1DG
“The Reverse Beacon Network turns 10” - Pete Smith, N4ZR
Ten years ago, Skimmer technology gave rise to the Reverse Beacon Network, changing contesting forever. Nowadays, the RBN is used for numerous purposes both during and outside contests. N4ZR will examine some of the ways the RBN is being used and how you can use it to improve your contest scores.
“Countdown to WRTC2018” - Christian Janssen DL1MGB
The WRTC2018 Opening Ceremonies will be held 54 days from today in Wittenberg, Germany. The teams and referees have been chosen, the sites have been selected, the volunteers are being trained, and the committee is looking after all the details to make the event a success, including both the competition and the opportunity for contesters from around the world and their families to share the excitement.
“What has the WWROF been up to lately?” - John Dorr, K1AR
The World Wide Radio Operators Foundation was formed in 2009 to help improve the skills of amateur radio operators around the world, utilizing education, competition, advancement of technology and scientific research, promoting international friendship and goodwill, and preparing them to better serve society in times of communication need. Current and recent projects include funding the log-checking infrastructure, managing awards programs, a successful Webinar program, and most recently, providing generators for amateurs in Puerto Rico who were left without power after two devastating hurricanes.
“Winning a contest using a remote station” - Chris Hurlbut, KL9A; Kevin Stockton, N5DX; Nate Moreschi, N4YDU
As remote stations have become commonplace, some of them have been used for contesting. While some operators have questioned whether remote stations would be capable of winning contests, others took up the challenge and have been very successful. Today’s panelists have won major contests operating both “in-person” and remotely, and can offer some interesting observations on remote contesting.

1:30-2:30 Room 3  ARRL Public Service Communications #4: Stories from the 2017 Hurricanes
Firsthand accounts from volunteers who supported Amateur Radio’s response to the 2017 hurricanes in Puerto Rico, US Virgin Islands, and across the Southeast US. Sponsored by ARRL, the national association for Amateur Radio.Panelists:
Mike Corey, KI1U, ARRL Emergency Preparedness Manager (moderator)
Oscar Resto, KP4RF - ARRL Public Service (guest)
Fred Kleber, K9VV - ARRL Section Manager, US Virgin Islands (guest)
Andy Anderson, KP4AAN - ARRL Public Service (guest)

1:15-2:30 Room 4  VHF/UHF/Microwave Forum 2018
Moderator: Tony Emanuele K8ZR
CQMagazine VHF+ Column editor.
1. “Are the Bands Hot or Not: The VHF+ Remote Beacon Network.” John Ackermann, N8UR. There’s a propagation monitoring tool that VHFers aren’t taking advantage of. Learn how the VHF+ Reverse Beacon Network can spot
openings and help increase activity.
2. “Roving: A Beginners Experiences in VHF Contesting” Mark Kerhlikar, WD9HBF.
3. “Some of My Favorite Test Gear Comes from China.” Michael Davis, KB1JEY VHF enthusiasts have observed that new test equipment can often cost more than our car and legacy models can strain our backs. The good news is that good quality yet inexpensive signal generators, spectrum analyzers and other pieces of test gear manufactured overseas are readily available. This presentation will offer some tips on how to secure these values.

### 1:15-2:15 Room 5

**Robots in The Classroom’ Forum**
**Moderator, Kerry Hicks**

Teams, coaches, and mentors from around Ohio will discuss the various FIRST programs that introduce kids of all ages to robotics, programming, and “gracious professionalism.” They will be there to talk about the programs, how they benefit the kids (and the adult mentors as well), and how the programs have spurred interest in STEM. Of course, THERE WILL BE ROBOTS to show off!

### 2:00-3:15 Room 2

**AREDN – Amateur Radio Emergency Data Network**
**At The Center Of Emergency Preparedness**

Andre, K6AH, the AREDN Project Manager, will discuss why delivering mesh networking as part of your group’s EMCOMM services will produce a paradigm change for the disaster services community you serve. Hams such as yourselves, are now building or have already implemented AREDN networks in their own cities and counties throughout the US. Learn how hams are utilizing this exciting technology to meet the expectations of served agencies by providing them access, through a high-speed network, to applications they already use. Andre will also describe how you can get involved, what equipment you should consider, and how to assemble your go kit. Finally, Andre will discuss the amazing tools you will be providing first responders and disaster service agencies such as the ARES/RACES (AUXCOM), EOCs, CERT, and the Red Cross.

### 3:30-5:00 Room 2

**Digital Modes Forum**
**Moderator: Mel Whitten, K0PFX**

Ron Ochu, KO0Z

**Developing Emcomm Rural America**

Seven years ago, CQ columnist and Illinois Macoupin County Emergency Coordinator, Ron Ochu, KO0Z moved from suburban living near St. Louis to rural Illinois. Ron will share Emcomm lessons learned on exploring ways for ham radio operators to gain access into the “inner circle of trust” in rural America’s bureaucratic structure. Change isn’t easy, but it is possible if you have the will, the means and something to offer.

Mark Miller, N5RFX

**“Mobile Repeaters for DMR”**

Setting up a digital repeater for emergency communications. Examples
Forums

Saturday (Continued)

include: 1. Motorola XPR 8300/8400. 2. How to select a transceiver for Home brew digital repeater. 3. Configuring a homebrew DMR repeater for emergency use.

Bruce Perens, N6BP

“2018 Digital Voice and Open Source Update”

Bruce Perens is showing off! There are new development in digital voice, digital modems and protocols, new and amazing hardware, space and satellites, even rules and regulations! Bruce Perens K6BP is one of the founders of the opens Source movement in software, a digital voice proponent, and has helped steer Amateur Radio toward the future for two decades. Come and hear what’s going on. Time will be allotted for attendees to ask questions.

2:45-3:45 Room 3 HamRadio Workbench Build Projects
Moderator: George Zafiropoulos

George and Jeremy from the Ham Radio Workbench Podcast will talk about the latest show build projects along with tips and tricks for setting up your own workbench. If you are new to home brewing, want a deeper technical understanding of all things radio or are an experienced hands-on DIY type, this session is for you. We will touch on popular projects including portable HF antennas, portable power, home brew station accessories, DMR hotspots and repeaters, pocket sized test equipment and more.

2:45-3:45 Room 4 AMSAT Status Report
Moderator: Keith Baker, KB1SF / VA3KSF

“AMSAT Status Report” Joseph Spier, K6WAO, AMSAT-NA President, will highlight recent activities within AMSAT and discuss some of our challenges, accomplishments, projects, and any late breaking news.

“AMSAT Engineering Program” Jerry Buxton, N0JY, AMSAT-NA Vice President for Engineering, will talk about the Fox-1 and Golf (Greater Orbit Larger Footprint) Projects.

“ARISS Report 2018” Frank Bauer, KA3HDO, AMSAT-NA Vice President for Human Spaceflight will discuss ARISS “Next Generation ARISS Radio System” on the International Space Station.

2:45-3:45 Room 5 New Product Showcase
Moderator: Michael Kalter

Dayton Hamvention is hosting a media event allowing companies to formally announce their new products. This is primarily a media event and will be available online following the Showcase. Public seating begins when media seating is satisfied.

3:15-5:00 Room 1 DX Forum
Moderated by Jay Slough, K4ZLE

We welcome anyone interested in DX to attend our forum this year. While we may be one of the last forums on Saturday, we should prove to be most interesting. The forum will consist of three major presentations.

6O6O - Samolia, by Adrian, KD8SCA

DX interest should span more than reports of someone or some group
hailing a bunch of radio equipment to some possibly rare locality, setting
the equipment up and making myriads of millisecond QSOs. This is often
a humanitarian component to some DXpeditions and editorially perhaps there
should be more emphasis on this aspect of our hobby. This expedition was
just such a trip. While Adrian and Ken, LA7GIA, term this a DXpedition,
there was an altruistic purpose to the trip. Adrian will tell us why they went
and about the organization they are supporting by this trip.

3C1L and 3C0L - Equatoria Guinea and Annobon Island, by Yuris, YL2GM
Those of us in the US are familiar with commercials for Eveready batteries
and the Energizer Bunny. “It just keeps going and going and going!” That
describes this two man team and their recent operation. These two top tier
operators were constantly on the air and snapping off contacts like there was
no tomorrow. Little did we know then that this was only a reconnaissance trip
for the 3C3W and 3C0W trip that took place in early 2018. The first trip was
not without its trials and tribulations. Come meet one of the operators first
hand and hear what was involved in making these operations a reality.

3Y0Z - Bouvet, by Bob, K4UEE
While every major DXpedition has its rough spots, none in recent history
has produced more heartache and pain for the direct participants and the DX
community as a whole than this one. Thirty one days at sea in the waters of the
Southern Ocean would be enough, in and of itself, but to see your objective
setting directly in front of you and not being able to fulfill your goal would
break the heart of anyone - especially after the planning and preparation that
went into this trip. Bob was one of the leaders for this trip and will “come out
of retirement”, so to speak, to tell us about that experience.

In addition, to the presentations described above, there will be a Yaesu
transceiver raffled at the conclusion of the forum. Tickets may be purchased
at the forum and the winner does not have to be present to win. One hundred
percent of the proceeds from this raffle are used to help fund DXpeditions like
those above. Here is your chance to help make future trips possible and to
potentially win a nice radio.

ARRL Collegiate Amateur Radio Initiative
A growing number of campus radio clubs and student radio amateurs are
sharing ideas and suggestions on the ARRL Collegiate Amateur Radio
Initiative (CARI) Facebook page. They’re (re)inspiring ham radio among our
nation’s colleges and universities, meeting other students, and developing
career connections. Hear from students, alumni, and faculty. The ARRL
Collegiate Amateur Radio Initiative is sponsored in part by the W1YSM
Snyder Family Collegiate Amateur Radio Endowment.

Andy Milluzzi, KK4LWR, ARRL Public Relations Committee
Tony Milluzzi, KD8RTT, ARRL Volunteer, Collegiate Amateur Radio Initiative

FCC Disaster EmComm Public Workshop
Moderator: Curt Bartholomew, N3GQ, FCC Emergency Manager
Federal Agent | Emergency & Continuity Manager
5 DHS/FEMA Officials, including Ted Okada, K4HNL, Chief Technology Officer
One DHS/OEC Official: John Peterson, N4KEA
One NCC Official: Ross Merlin, WA2WDT,SHARES Program Manager
One American Red Cross Official: TBD
One Winlink Official: Steve Waterman, K4CJX/NCS396
One US Army MARS Official: Paul English, WD8DBY, Program Manager
One USAF MARS Official: TBD
Several ARRL Officials: TBD
One SATERN Official: TBD
One Southern Baptist Disaster Relief Official: TBD

Sunday, May 20th

9:15-10:15 Room 1 West Mountain Radio presents
Exploring Network 105 - The HF amateur packet radio network.
Moderator: Sholto Fisher.
Network 105 has been in continuous operation since 1986 and is a global RF Wide Area Network. It’s a place to chat & make friends, exchange personal mail, experiment with computers & software, and explore the ever evolving network. This presentation is not beginner level but all are welcome to attend.

9:15-10:15 Room 2 Reaching the Public with Ham Radio
Many radio clubs organize displays and exhibits to garner interest for Amateur Radio. They recruit new hams at Maker Faires, school and Scouting events, county fairs, public events, and science and technology conventions. Clubs also setup displays for the general public during ARRL Field Day. Come learn and share different methods for organizing exhibits and engaging the public at non-radio events. Sponsored by ARRL, the national association for Amateur Radio.
Tommy Gober, N5DUX – Instructor, ARRL’s Teachers Institute on Wireless Technology
Bob Inderbitzen NQ1R – ARRL Marketing Manager

9:15-10:15 Room 3 Receiving Antennas
Moderator: Eric Nichols, KL7AJ
Eric P. Nichols, KL7AJ. KL7AJ is a two-time recipient of the William Orr, W6SAI Technical Writing Award, conferred by the ARRL. He is currently technical editor for the W5YI group, working closely with Gordon West. He has written dozens of articles for QST, and is the author of The Opus of Amateur Radio Knowledge and Lore, Radio Science for the Radio Amateur, Propagation and Radio Science, and, Digital Storage Oscilloscopes for Ham Radio. He is currently writing a book on active and passive receiving antennas for ARRL, the topic of this talk.
Receiving antennas are DIFFERENT! Almost every amateur radio station can benefit from having a separate receiving antenna. Eric Nichols, KL7AJ will discuss the profound differences between the requirements of transmitting and receiving antennas, and how to optimize antennas for reception. As the overall noise floor in the HF band steadily increases, the deployment of well designed, low-noise receiving antennas will be increasingly important. Exciting new technologies make small, effective receiving antennas possible and practical.
Bicycle Mobile Hams of America (The 28th Annual forum at Hamvention)
Moderator: Mike Nickolaus, NF0N
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.
Mike Nickolaus: NF0N : Review of 2018 BMHA Bicycle Trail Ride
Steve D’Amico: KC8QVO : Bicycle setup and overview of some of his trips.
Steve will have his bike and demonstrate his gear and show ergonomic tips for all day trips. He will show some pictures of the trips he has done. We plan to have bicycle mobile displays and demonstrations of each will be conducted.

Secure Energy Forum
Speaker: Bob Bruninga, WB4APR
Solar, wind, batteries and electric cars are revolutionizing the home energy considerations for the Radio Amateur. Just in the last ten years, home grid-tie solar now costs less than half the utility, The average cost of the 35 Electric Cars now on the market with incentives now costs several thousand dollars less than the average gas car. And with the Tesla Gigafactory, now energy storage for the home is becoming practical. These all contribute to energy security for the home and ham shack but it is not your father’s 60 Hz legacy iron boat anchors any more. For example, the engine/generator in a simple Prius is rated at 50,000 Watts. Home solar is typically 5 to 10 kW.. Come learn about what you can do to incorporate new energy into your home and shack.

The “Portable Magnetic Loop Antenna” Forum
Antenna Seminar Schedule
100 MHz to 1 GHz | PY1AHD ALEX - Alexandre Grimberg
Magnetic Loop antennas have existed for more than 100 years and Alex decided to design the Portable Magnetic Loop Antenna for a simpler-than-ever outdoor antenna, and as the ultimate solution for the antenna restricted hams. For over 15 years of intense work Alex was challenged to break five unbeatable technical paradigms to create the first Portable Magnetic Loop Antenna-The world famous AlexLoop.
All those 15 years of the Portable Magnetic Loop Antenna research and development challenges will be compacted on a 50-minute presentation which will bring to the audience technical information and a lot of fun. Five short duration videos will be presented including some exotic projects such as the Coke Loop - http://www.alexloop.com/artigo36.html.
## Forums Overall Schedule

### SATURDAY May 19, 2018

<table>
<thead>
<tr>
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<td>10:00 AM</td>
<td>The Evolution of High Altitude Ballooning</td>
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Award Winners

The Hamvention Awards committee is very excited and pleased to announce the winners of the four Hamvention 2018 awards. Co-chairs Michael Kalter, W8CI, and Frank Beafore, WS8B, said, “We would like to thank everyone who nominated a candidate. The process is always difficult and the Awards Committee reached agreement on the following winners. Please join us in congratulating these outstanding 2018 winners.”

Club of the year: The Portage County Amateur Radio Service

The Portage County Amateur Radio Service (PCARS) was established in November of 2005. It is an ARRL Affiliated Club and an ARRL Special Service Club.

PCARS has an average of 43 hours of club activities per month including special interest groups, license training, contests run from our club site, and club social events. Our members cover a wide range of interests that allow us to support public safety organizations, student outreach programs and activities focused on growing our hobby. We love to share our experiences and have a requirement that our events be filled with a lot of fun. Members have joined PCARS because of all the activities and fun we have.

We have created our own contests and events including our annual Freeze Your Acorns Off in February and Ohio State Parks on the Air that was used as a model for the ARRL’s NPOTA contest. We have also donated time and money to our community including over $6,000 in 2017.

We have several “Build Days” each year where we have projects covering home built transceivers, antennas, and digital equipment to allow members to inexpensively grow into new areas of the hobby. Each month we have at least one GOTA (Get On the Air) day where members and non-members can use club site equipment to learn about HF and new modes of operation. It is all about building our hobby, helping our community, building our skills and most of all having fun.
Award Winners

Amateur of The Year: Valerie Hotzfeld, NV9L

Valerie Hotzfeld NV9L, was first licensed in 2006. After being very active in her local amateur radio clubs and ARES, she discovered HF. This is when she became obsessed with DXing and contesting. In the past few years, she has enjoyed inviting new hams to her station to DX or contest.

She is a co-host on the show “Ham Nation” and has created several “how to” videos on YouTube for the ham radio community. She also enjoys delivering various presentations via Skype to amateur radio clubs across the U.S. She’s been the pilot or lead pilot for four major Dxpeditions.

She is currently the treasurer for her contest club and the prize chairman for W9DXCC and SMC-fest. In 2017, she became very active in public service; going to Texas after hurricane Harvey to help rescue small animals as well as being deployed to Puerto Rico with the American Red Cross for three weeks as part of the “Force of 50” providing critical amateur radio communications after hurricane Maria. Amateur radio has enriched her life, because of the challenges and great friends this hobby brings.

Technical Achievement Award: Chip Cohen, W1YW

Chip Cohen, W1YW has been a radio amateur for 52 years. Bitten by the antenna bug, he became a professional radio astronomer and astrophysicist, using the world’s biggest antennas at Arecibo, VLA, Haystack, NRAO, and many others.

While a professor at Boston University, he connected fractal geometry with antennas, pioneering a paradigm shift on how antennas are designed, what they make possible, and has seen fractal antennas enable millions, save lives, and make life easier.

Starting with simple flea market treasures 30 years ago, W1YW bootstrapped fractal antennas with modest gear and employed ham radio exclusively to prove out and report this new technology. Fractal antennas are ham-grown. He started Fractal Antenna Systems, Inc. with WA1ZWT (SK) in 1995, and is presently CEO. An inventor with 41 US patent, W1YW is also known for inventing the invisibility cloak, using fractal antenna techniques to make it possible.

Chip is an avid DXer with 355 countries, DXCC Top of the Honor Roll, and is a strong cheerleader for technical ‘innovation culture’ through ham radio. He is a Life Member of the ARRL, and Fellow of the Radio Club of America, where he served as Vice President and presently as Director.

Special Achievement Award: Heriberto Perez, KK4DCX; Victor Torres, WP4SD and Emilio Ortiz JR, WP4KEY

Puerto Rico was devastated by hurricane Maria, a powerful category 4 storm, the strongest to make landfall in PR in 85 years. It came ashore on Sept, 20, 2017 with 155 mph winds. All the communication services and utilities collapsed.

On Sept. 21, 2017, Ham Radio operator Herb Perez KK4DCX mobilized his radio equipment to the local public broadcasting station Radio Sol in San German, along with Ham Radio Operators Victor Torres WP4SD and Emilio Ortiz JR. WP4KEY. The team immediately set up the gear and began the extraordinary mission of health and welfare traffic to thousands of family members across the continental USA.

Thanks to the support and help of more than 45 Ham Operators across the USA more than 4000 messages were effectively delivered via phone calls to family members in the United States, bringing tearful joy between family love ones.
Previous Award Winners (continued)

Amateur of the Year

1955. William C. Jenney, W8FYW
       Benjamin S. Zieg, W9EHU, K4OQK
1956. Edmund C. Ryan, W8LRR
1957. Ralph Crammer, W8VHO
1958. Rev. C. Lynn White, K4CC
1959. Harlow Lucas, W8QQ
1960. Paul Woffe, W8IVE
1961. Ed Bonnet, W8OVG
1962. Dana Cartwright, W8UPB
1963. Chester Funk, K8EUF, K7ZKL
1964. H. Ruble, W8PTF
1965. Carl B. Snyder, W8ARW
1966. Robert K Caskey, W9DNQ
1967. Jack Gray, W8JDV
1968. Elmer Schubert, W8ALW
1969. Wayne Walters, W9DOG
1970. Kay Anderson, W8DUV
1971. Al Michel, W8WC
1972. Don C. Miller, W9NTP
1973. Ray E. Myers, W6MLZ
1974. Barry Goldwater, K7UGA
1975. Richard A. Daniels, WA4DGU
1976. Joseph M. Hertzberg, N3EA
1977. Rafael M. Estevez, WA4ZZG
1978. Frank Schwab, W8OK
1979. George G. Batterson, W2GB
1980. Wayne Overbeck, N6NB
1981. Eric C. Shalkhauser, W9CI
1982. Robert G. Heil, Jr., K9EID
1983. Katashi Nose, KH6IJ
1984. Dave L. Bell, W6AQ
1985. John J. Willig, W8ACE
1986. Roy Neal, K6DUE
1987. Carole Perry, WB2MGP
1988. Bill Bennett, W7PHO
1989. Bill Pasternak, WA6ITF
1990. Stephen Mendelsohn, WA2DHF
1992. Richard Baldwin, WIRU
1993. Harry Dannals, W2HD
1994. Perry Williams, WIUED
1995. Rosalie White, WA1STO
1996. William A. Tynan, W3XO
1997. Leo I. Myerson, WØGFX
1999. Kenneth M. Miller, K6IR
2000. Marttie Laine, OH2BH
2001. George Jacobs, W3ASK
2003. Larry “Tree” Tyree, N6TR
2004. David Kopacz, KY1V
2006. Gordon West, WB6NOA
2007. Jim Haynie, W5JBP
2008. Ward Silver, NØAX
2009. Wade D. Hampton, K4ITL
2010. Jim Stafford, W4QO
2011. Shirley Roberts, N8LX
2012. S. Suri, VU2MY
2013. None Given
2014. Dr. Larry E Prince, W4RA
2015. Tim Duffy, K3LR
2016. Joe Taylor, K1JT
2017. Frank Bauer KA3HDO
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
Bohnar Aguilar, WB3AOP

1978 ..... Ronald Moorefield, W8ILC
1979 ..... Edward Tilton, W1HDQ
1980 ..... Joseph Merdler N6AHU
1981 ..... Bill Pasternak, WA6ITF,
Bill Orenstein, KH6IAF
1982 ..... Bruce Humphrys, KØHR
1983 ..... Lenore Jensen, W6NAZ
1984 ..... Ethel Smith, K4LMB
1985 ..... Judith Frye, K8BP
1986 ..... Rev. Michael Mullen, C.M., WB2GQW
1987 ..... Arthur Gentry, W6MEP
1988 ..... Fred Hammond, VE3HC
1989 ..... Phil Karn, KA9Q
1990 ..... Paul Thomson, KCØVG
1991 ..... Nate Brightman, K6OSC
1992 ..... Ned Raub, W1RAN

1993 ..... Robert Adams, WA9ZMO
1994 ..... Russ Kroeker, N7HGE
1995 ..... Ed Briner, WA3TVG
1996 ..... John Kraus, W8JK
1997 ..... John B. Bellows, Jr., KØQB
1998 ..... Paul D. Lieb, KH6HME
2000 ..... A. Prose Walker, W4BW
2001 ..... Frank Bauer, KA3HDO
2002 ..... Dr. Owen Garriott, W5LFL
2003 ..... Jonathan Taylor, K1RFD
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
2015 ..... Thomas C. Medlin, W5KUB
2016 ..... Stan Horzepa, WA1LOU
2017 ..... S. Ram Mohan VU2MYH

TECHNICAL EXCELLENCE AWARD

1984 ..... Lyle Johnson, WA7GXD
1985 ..... Richard Whiting, WØTN
1986 ..... M. E (Doug) DeMaw, W1FB
1987 ..... Henry (Hank) Oredson, WØRLI
1988 ..... Lew McCoy, W1ICP
1989 ..... Byron Goodman, W1DX
1990 ..... Bob McGwier, N4HY
1991 ..... Lou McFadin, W5IDID
1992 ..... Gerald Cromer, K4NHN
1993 ..... Dick Jansson, WD4FAB
1994 ..... Dick Newell, AK1A
1995 ..... Philip Ferrell, K7PF
1996 ..... William Orr, W6SAI
1997 ..... Al Ward, W5LUA
1998 ..... Robert E. Bruninga, WB4APR
1999 ..... Alfonso R. Torres, KP4AQI
2000 ..... Dr. H. Paul Shuch, N6TX
2001 ..... Peter Martinez, G3PLX

2002 ..... Allen Waller, K3TKJ
2003 ..... Steve Dimse, K4HG
2004 ..... Barry Sanderson, KB9VAK
2005 ..... Dr. Jerry Sevick, W2FMI
2006 ..... Richard Illman, AH6EZ
2007 ..... David Cameron, VE7LTD
2008 ..... Thomas C. McDermott, N5EG
2009 ..... Cophthorne MacDonald, VY2CM
2010 ..... Simon Brown, HB9DRV
2011 ..... Roy W. Lewallen, W7EL
2012 ..... Joel R. Hallas, W1ZR
2013 ..... David Rowe, VK5DGR
2013 ..... David M. Whitten, II, KD0EAG
2014 ..... David Freese Jr, W1HKJ
2015 ..... Reverend George Dobbs, G3RJV
2016 ..... John S. Burningham, D.I.T, W2XAB
2017 ..... Rob Brownstein K6RB
2018 ARRL/DARA Scholarships

Christopher W. Babineau, KK4QQV

Shortly after Christopher earned his ticket at the age of 14, he spent a large amount of time working the 10-meter band available to Technician-class operators, and logged his first QSO with a ham in Argentina. This contact sparked his interest in DXing, as well as an interest in electronics, computers, and the internet. He also loves to build and tinker with custom computers. Christopher has participated in a number of Sweepstakes, Islands on the Air events at Sunset Beach, NC, the 2013 Pennsylvania QSO Party, the 2014 and 2016 Virginia QSO Party, and the 2015 IARU HF Championship. In high school, Christopher enjoyed working on school theater productions, competing with the varsity swim team, and volunteering in his community. He is now attending Virginia Polytechnic Institute and State University to earn a degree in computer engineering.

Owen Cruise, NØWEN

Owen is completing his freshman year at the University of California, San Diego in La Jolla, California (UCSD). He graduated from Mt. Carmel High School in San Diego with a GPA of 4.2. Owen joined the Mt. Carmel High School Amateur Radio Club (W6SUN) as a high school freshman, and he was very active until graduation, holding the role of club president in his senior year. As a club member, Owen worked with engineer mentors to plan and execute high-altitude balloon launches with various payloads, helped to get a vanity call for the club, assisted with licensing classes, and worked to expand the club membership. Owen also participated in several ARRL Field Days, is an ARRL member and registered VE, and operated the radio station aboard the USS Midway (NI6IW). Owen is now active with the UCSD Amateur Radio Club and is working toward a degree in mechanical engineering. He has interned with Northrop Grumman and currently holds an Amateur Extra-class license.

Marissa Cartwright, KEØBGH

Marissa is attending the Honors Program at Coe College in Cedar Rapids, Iowa, and earned her Technician license in 2014. While in high school, she was in the Honor Society, and was also active in the marching and jazz bands, the symphony, choir, 4-H, multiple sports, and many other activities. Marissa has also participated in ARRL Field Days and several DX activities, and she volunteers at community events, saying she has a deep appreciation for the role Amateur Radio plays in emergencies. She has an avid interest in the environment and is a certified volunteer water tester for Iowa, and is working toward dual-degrees in environmental science and biology.
2018 ARRL/DARA Scholarships

Daniel Guo, KEØCLZ

Daniel is from Omaha, Nebraska, and entered the University of Nebraska-Lincoln this past fall. Daniel was active in his high school Amateur Radio Club, and he also participated in the Engineering and Robotics Clubs and the marching and jazz bands. Daniel says he learned about Amateur Radio through his friends, and the group built their own radio transceivers to talk to each other through Morse code. Besides learning about the science behind radios, Daniel loves to meet interesting people over the air. At the University of Nebraska, Daniel is studying computer science to expand his technological skills and hopes to one day contribute to the advancement of science in our society.

Cami Price, KD8ILG

Cami earned her Technician license when she was just 9 years old with help from her grandfather (N3LWM) and father (K8WFL). She loves being able to talk to people around the world and help her community. Cami said, “When I was younger, I loved mail day because I had a competition with my grandfather to get the most QSL cards.” Cami is an active member of Ohio ARES, participating in drills, nets, and training. She is also a member of ARRL, the Radio Society of Ohio, the Young Ladies Radio League, and has worked ARRL Field Days, portable ops, wires-X, and digital. She is attending Lake Erie College in Ohio to earn degrees in forensic accounting and business.

Nicholas Sileo, K1NRS

Nicholas comes from a family of hams – his father, sister, three uncles, and his grandfather are all licensed. He said, “Amateur Radio is a tradition in our family, and is enjoyed by all of us.” Nicholas attends meetings at a local club with his father. At his high school in Parkland, Florida, Nicholas is an active volunteer in his community, helping at the Fort Lauderdale Museum of Discovery and Science and the YMCA. He is also an outstanding student, having received several academic awards and was in the Math Honor Society. Nicholas also participated in the high school’s marching and jazz bands. Nicholas is currently attending the University of Florida, majoring in engineering and computer science.
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
2015-2016 .......................................................... Jim Tiderman, N8IDS
2017 ................................................................. Ron Cramer, KD8ENJ

* Silent Key
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Dayton Amateur Radio Association

DARA Board

Sam Anderson, N8VES
President

Dan Puckett, W8AAU
Vice President

Nancy Krodel, KC8RMT
Secretary

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Rob Lunsford, KB8UEY

Charles Kaiser, KD8JZR

Carl Rose, K8CPR