

HAMVENTION[®]

DAYTON

INNOVATION!

2023



Welcome!

Dayton
Hamvention®
to GREENE
COUNTRY

The Greene County Convention & Visitors Bureau would like to welcome Dayton Hamvention to Greene County and wish them the very best success. To find out more about Greene County stop by our booth and pick up a FREE Visitors Guide or visit our website at greencountyohio.org



Stop by our booth and pick up a FREE souvenir collectors pin!

GREENE COUNTY, OHIO

CONVENTION & VISITORS BUREAU

greencountyohio.org

1221 Meadow Bridge Drive, Beavercreek, OH 45434 • 937.429.9100

Welcome to the 2023 Dayton Hamvention

This Year's Theme: Innovation

Welcome and thank you for joining us at HV2023. Since our move to Greene County, we have continued to make improvements and changes to the event. The facilities continue to be improved, and we learn more each year. This year, we are partnering with the community to provide further options to attendees for food service. A bus route has been established permitting access to local restaurants. If you need a break, feel free to take advantage of this new offering and support the local businesses.

The theme “Innovation” describes our hobby. Each year, new modes and capabilities of contacting other amateurs become available. There is something for everyone as the opportunities are boundless. New ideas and refinements are the basis for advancement and invention. When the hobby started, everyone had to make their own equipment and discover ways to make it work. Today, we have a lot of equipment available and combining elements leads to innovation. Curious about a subject? Someone has probably researched it and can help you learn. While the traditional modes of contact still exist and are even more active today, we should always be inquisitive and forward-thinking to new possibilities.

My challenge to you is to find a new area in our hobby and go for it! Life long learning keeps our amateur radio hobby alive and vibrant.

On behalf of all our many volunteers, the Dayton Amateur Radio Association Board of Directors and my Assistant General Chair, Brian Markland, N8UDQ, thank you for being part of Hamvention history.

Jim Storms, AB8YK
Hamvention General Chair 2023

Jim Storms, AB8YK
General Chairman



Brian Markland, N8UDQ
Assistant General Chairman



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Souvenir Program Committee

Chair Charles Wright, K8MDB
 Asst. Chair Linda Kalter, W8AAV
 Proofreaders Linda Kalter, W8AAV
 Jim Shaw, AL7BA

Design and Layout

Program created by Charles Wright, K8MDB



More program information is available on the ARRL Events App and Hamvention.org. Find more details about **forums, exhibitors, flea market, prizes, and affiliated events**. Find detailed **maps, the vendor list, services, affiliated events, and forums listings** on the ARRL Events App, and at Hamvention.org

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.

Hamvention.org

FRIDAY HOURS

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.
 9:15 a.m. - 5:00 p.m. Forums and scheduled activities.
 9:00 a.m. - 2:00 p.m. Amateur Radio License Exams.
 10:00 a.m. - 4:00 p.m. Hourly prize drawings.

SATURDAY HOURS

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.
 9:15 a.m. - 5:00 p.m. Forums and scheduled activities.
 9:00 a.m. - 4:00 p.m. Hourly prize drawings.
 9:00 a.m. - 2:00 p.m. Amateur Radio License Exams.

SUNDAY HOURS

9:00 a.m. - 1:00 p.m. Flea Market open.
 Bus service runs 7:00 a.m. -
 After Prize Drawing
 9:00 a.m. - 1:00 p.m. Inside Exhibits open.
 10:00 a.m. - 11:00 p.m. 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 in
 Forums 1 & 2.
 1:00 p.m. Prize Drawing in Forums 1 & 2.
 Bus Service will be run for a short
 time after the main prize drawing.

2023 Hamvention Patches & Lanyards

The DARA BSA Venture Crew 73
 Located just outside the main gate and
 down the aisle from the Prize Booth at 4010
 2023 Souvenir Patch \$5.00
 2023 Souvenir lanyards with ticket lamination \$5.00

Hours

Outside Tent	Booth 4010
Fri 8am-4pm	Fri 9am-4pm
Sat 8am-4pm	Sat 9am-4pm
Sun Closed	Sun Closed

Stop by with your children and they will receive a surprise suitable for "little hams"!

Hamvention Phone Numbers

Emergency (937) 276-6930
 Inside Exhibits (937) 276-6931
 Flea Market (937) 276-6932
 Prizes (937) 668-5311

Services

INFORMATION

Information Booths are located inside the main pedestrian gate, outside the main pedestrian gate and rear walking gate to the flea market.

DARA MEMBERSHIP

DARA membership is located in Building 4, “Volta” Booth 4007. (See map pages.)

EMERGENCY MEDICAL CARE

Hamvention will have medical staff on site during show hours between buildings 4 & 5. 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. Items can be retrieved at this location on Friday between 9am and 5pm, Saturday between 9am and 5pm, and Sunday between 9am and 1pm.

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.

FREE 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 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 2:00 p.m.** There will be no testing on Sunday.

Free shuttle vans are provided from the Hamvention site to the testing location and back. Shuttles 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.

Each applicant must have the following:

1) An FCC Registration number (FRN)

An FRN may be obtained by visiting the FCC at <https://www.fcc.gov/wireless/support/knowledge-base/universal-licensing-system-uls-resources/getting-fcc-registration>

Be sure to copy down the FRN number you are issued and bring it with you to the testing location.

2) Their current license (original copy, Reference Copy or Official Copy) if applicable.

3) The original and a copy of any CSCE or other paperwork (expired licenses, FCC letters, etc.) being submitted for element credit.

4) Identification (One 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 as we have a limited number of basic calculators to loan. Use of smartphones and programmable calculators is prohibited.

TEMPORARY LOADING PASS (PACKAGE PICKUP)

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.

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.

SPECIAL EVENT STATION

Work the world from Hamvention as w8bi at the 2023 special event station! There is no license requirement to participate.

The station, located in the Tesla building – E2 in spaces 2706 and 2707 will be operating during normal Hamvention hours.

Frequencies (+/- qrm) will be: 40m, 20M , 17m ,10m.

CW will be tried on the hour as conditions permit. The station will have paddles for CW.

To operate the station you must have a copy of your license available.

TALK-IN FREQUENCIES

For directions and assistance in the Dayton area during your visit to Hamvention, contact “Talk-In” on the DARA Repeater 146.94(-) with a backup frequency of 146.985(-) pl 123.0. 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.

2023 Dayton Hamvention Committee



From the top, Row 1: Chris Rismiller N8PEM, Glenn Rodgers KE8LZD, Shawn Prall, Joe Muchnij N8QOD, Terry Scott NV8E, Chris Jebbins KZ8XU, Michael Kalter W8CI, Mark Tessneer KB8ZR, Dave Crawford KF4KW

Row 2: Karl Colon KC2GTR, Rob Lunsford KB8UEY, Steve Keller AE8AT, Robert Pitsch AC8SL, Dan Pucket W8AAU, Larry Sack N8QNM, Dave Trich N8YFQ, Dave Gordley K8DEG, Steve Coy K8UD

Row 3: Joe Sheline KD8AQH, Mike Berger WD8OMX, David Gscheidle WB8RRQ, Jack Gerbs WB8SCT, Susan Jebbins K8STJ, Rob Gauder WD8CXV, Phil Brown AC8UW, Mark Atwell WX8A, Steve Siwecki KD8NUC

Row 4: Henry Ruminiski W8HJR, Jim Gifford KD8APT, Keith Yarger AD8DC, Randy Midkiff WB8ART, Jeff Everetts N8IBW, Jim Simpson KF8J, Hazel Everetts N8PTL, Diane Allnut NS8Z, Bob Baker N8ADO, Elizabeth Kline KE8FMJ

Row 5: Jeff DeVoe K8JTD, Sandy Harger WA8DOC, Gary Hollenbaugh NJ8BB, Jon Thuerner KB8SRQ, Jim Storms AB8YK, Brian Markland N8UDQ, Jane Deeter KD8UPX, Nancy Kordell KC8RMT, Linda Kalter W8AAV, Janese Brooks KD8DGB, Melissa Markland KD8RTR, Tim McElfresh AA8TI

Not pictured: Chuck Wright K8MDB, Logan Rickert W8XEN (operating camera), Bill Pell K8BP, Phill Greg KC8GLA, D.J. Ziegler KD8CPI, Paul Morton KG8XY, Shirley Roberts N8LX, Lynn Roberts N8LXK, Sam Sammons W9SAM, Bill Brown WB8ELK, Frank Beafore WS8B, Rick Allnut WS8G

2023 Dayton Hamvention Committee

Administration

General Chairman Jim Storms, AB8YK | Assistant General Chairman Brian Markland, N8UDQ

COMMITTEES

Agency Liaison / Contracts	Chair	Sack	Larry	N8QNM
	Assistant Chair	Cramer	Ron	KD8ENJ
Finance	Chair	Kalter	Michael	W8CI
Incoming Mail	Chair	Yarger	Keith	AD8DC
Information-Phone Line	Co-Chair	Roberts	Lynn	N8LXK
	Co-Chair	Roberts	Shirley	N8LX
Camping Liaison	Co-Chair	Everetts	Hazel	N8PTL
	Co-Chair	Everetts	Jeff	N8IBW
EMCOMM	Chair	Gary	Hollenbaugh	NJ8BB
Booth Tracker	Chair	Coy	Steve	K8UD
Committee & Volunteer Services	Co-Chair	Everetts	Hazel	N8PTL
	Co-Chair	Everetts	Jeff	N8IBW
DARA Membership	Chair	DeVoe	Jeff	K8JTD
	Assistant Chair	Yarger	Keith	AD8DC
Information-Booth	Chair	Thuermer	Jon	KB8SRQ
	Assistant Chair	Siwecki	Steve	KD8NVC
Open House	Chair	Lunsford	Rob	KB8UEY
IT Infrastructure	Chair	Gerbs	Jack	WB8SCT
Flea Market	Chair	Tritch	Dave	N8YFQ
	Assistant Chair	Coy	Steve	K8UD
Inside Exhibits	Chair	Berger	Mike	WD8OMX
	Assistant Chair	Gscheidle	David	WB8RRQ
	Assistant Chair	Berger	Mark	KE8TAU
	Inside Manager	Markland	Melissa	KD8RTR
	Inside Liaison	Gauder	Rob	WD8CXV
Advance Registration	Chair	Storms	Jim	AB8YK
	Assistant Chair	Midkiff	Randy	WB8ART
Outgoing Mail	Chair	Tessneer	Mark	KB8ZR
Marketing	Chair	Wright	Chuck	K8MDB
Media	Chair	Gifford	Jim	KD8APT
	Assistant Chair	Ruminski	Henry	W8HJR
Social Media	Chair	Klinc	Liz	KE8FMJ
Programs & Publications	Chair	Wright	Chuck	K8MDB
	Assistant Chair	Kalter	Linda	W8AAV
Talk-In	Chair	Klinc	Liz	KE8FMJ
	Assistant Chair	Pell	Bill	K8BP
Webmaster	Chair	Markland	Brian	N8UDQ
	Assistant Chair	Ruminski	Henry	W8HJR
	Assistant Chair	Jebens	Susan	KD8AFP
Live Streaming	Chair	Pucket	Dan	W8AAU
	Assistant Chair	Rickert	Logan	KE8NTI
Awards	Co-Chair	Beafore	Frank	WS8B
	Co-Chair	Kalter	Michael	W8CI
Balloon Launch	Chair	Muchnij	Joe	N8QOD
	Assistant Chair	Brown	Bill	WB8ELK
	Chair	Rismiller	Chris	N8PEM
Forums	Assistant Chair	Kalter	Mike	W8CI
	Assistant Chair	Allnutt	Rick	WS8G
International Relations	Co-Chair	Morton	Paul	KG8XY
	Co-Chair	Allnutt	Diane	NS8Z
License Exams	Chair	Jebens	Chris	KZ8XU
	Assistant Chair	Crawford	Dave	KF4KWW
Prizes	Chair	Atwell	Mark	KD8DGH
	Assistant Chair	Gordley	Dave	K8DEG
Special Event Station	Chair	Ziegler	Dave	KD8GEH
	Assistant Chair	Ziegler	D.J.	KE8CPJ
	Assistant Chair	McElfresh	Tim	AA8TI
Youth Tech	Chair	Deeter	Jane	KD8UPX
	Assistant Chair	Mullins	Gary	K8UW
Communications	Chair	Baker	Bob	N8ADO
	Assistant Chair	Brooks	Janese	KD8DGB
Golf Carts	Chair	Sheline	Joe	KD8AQH
	Assistant Chair	Greg	Phil	KC8GLA
	Assistant Chair	Kordell	Nancy	KC8RMT
Signs and Fences	Chair	Brown	Phil	AC8UW
	Assistant Chair	Harger	Sandy	WA8DOC
	Assistant Chair	Terry	Scott	NV8E
Parking	Chair	Keller	Steve	AE8AT
	Assistant Chair	Sammons	Sam	W9SAM
Security	Chair	Prall	Shawn	TBD
	Assistant Chair	Colon	Karl	KC2GTR
Executive Committee	General Chair	Storms	Jim	AB8YK
	Assistant General Chair	Markland	Brian	N8UDQ
	Member	Cramer	Ron	KD8ENJ
	Member	Kalter	Michael	W8CI
	Member	Gerbs	Jack	WB8SCT
	Member	Allnutt	Rick	WX8F
Special Projects		Simpson	Jim	KF8J

Welcome



Board of Commissioners

Richard D. Gould, CPA
Tom Koogler
Richard G. Perales

35 Greene Street
Xenia, Ohio 45385-3101

Phone: (937) 562-5006
Fax: (937) 562-5331
Administrator: (937) 562-5062
Clerk: (937) 562-6166
www.greencountyohio.gov

March 16, 2023

Dear Hamvention® Attendees:

Welcome back to Greene County! We are delighted and thrilled to be your host for the amateur radio event of the year.

Just as Hamvention® is rich in history and progress, so is Greene County. Within our borders, you will find museums and historic sites, culture/entertainment, restaurants, shopping, and outdoor adventures including our wonderful paved trails. We hope you can take some time to enjoy the many sites and scenes our region has to offer.

Local businesses, government entities, the schools, and many others throughout the County have been preparing for your visit to ensure you have an enjoyable time.

Thank you for coming to our community to revitalize friendships and showcase your community of amateur radio operators. We are so ecstatic to be a part of the 71st reunion of Dayton Hamvention®!

Sincerely,

The Greene County Board of Commissioners



Rick Perales, President



Richard D. Gould, Vice President



Tom Koogler, Commissioner



2023 Hamvention

Greetings Dayton Hamvention® Attendees:

The Greene County Exposition Center is pleased to welcome you back once again! We are hoping to leave the uncertainties of COVID behind us and continue to move forward each year. We are honored once again to be the host facility for the Dayton Hamvention® held in beautiful Greene County. Our dedicated team has enjoyed working with the Dayton Hamvention® organizers again this year. We strive to continue to grow in order to make improvements and prepare for thousands of amateur radio enthusiasts to visit our region for three very special days in May.


We thank you for making the Greene County Exposition Center your home and look forward to many more years of continued partnership.

We hope you enjoy your visit and as always, stay safe.

Sincerely,

Rodney Keadle

Rodney Keadle
Greene County Exposition Center Manager



OFFICE OF THE MAYOR

107 E. MAIN STREET • XENIA, OHIO 45385 • PHONE (937) 376-7232 • FAX (937) 374-1818

Greetings & Welcome to the City of Xenia!

Welcome, Hamvention attendees, to Xenia, Ohio! It is a great privilege and honor to welcome each of you to my hometown of Xenia, the City of Hospitality!

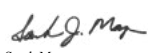
As you begin to plan your time at Hamvention and in Xenia, I want to personally invite you to spend part of your time in the Xenia community. One of our most treasured assets is our trail system, which is great for biking, roller blading, walking, and running. This county seat was once a railroad hub, and it has become a trail hub with the opening of Xenia Station in 1998. Located on the site of an old depot, Xenia Station features classrooms, a visitor information center, restrooms, and a bicycle patrol headquarters in a replica of a 19th century railroad building. The non-profit group, Friends of Xenia Station, provides invaluable support to the city with maintenance of the Station and have undertaken many activities since its inception. On September 5, 2014, Xenia became an official Buckeye and North Country Trail Town.

The American Hiking Society has named Xenia a Charter Member of the Trail Town USA Hall of Fame and a Top 10 Trail Town, and Health Magazine once named Xenia as one of "America's 10 Fittest Cities for Women" based on the availability and safety of an outstanding network of scenic walking and biking trails.

After enjoying time on the bike paths, don't forget to stop at any of our local establishments such as Coffee Hub, Glazed Donut Eatery, Flour Bakery, the Flour Box Giftshop, Sweets Boutique, Kava Haus, Devil Wind Brewery, Acapulco, One Bistro, Roosters, Nick's, Los Mariachis, Xenia Shoe & Leather, Carson's Treasures, Rusty 'N Chippy's, and our own unique Route 68 Vintage Toys and Collectibles! We are proud of our local shops, and I hope you have time to enjoy them too!


For trail guides, questions about Xenia, or where to spend your time locally, visit ExploreXenia.com for more information about this community, and again, welcome to Hamvention!

Sincerely,



Sarah Mays
Mayor, City of Xenia
smays@ci.xenia.oh.us
(937) 603-5643

EXPLOREXENIA.COM



Xenia Township

Board of Trustees - Greene County
8 Break Hollow Road - Xenia, OH 45385
(937) 374-3839 FAX (937) 374-3449
www.xeniatownship.ohio.gov

GREY BROWN
WARD 12-20-2023

TRUSTEES:
CHRISTOPHER BARKER
JENNIFER BARKER
ALAN BARKER

ERIC J. COLE
City of Xenia

BRADY DILLI
BRIANNA J. JONES

Greetings Hamvention 2023 Friends!


The Xenia Township Board of Trustees would like to extend the warmest welcome to you all in what will be another memorable Hamvention in Greene County! It is always a pleasure to see you and especially to be able to engage into more face-to-face encounters. With each passing year we hope you continue to explore beyond your usual places of convenience so you can feel the very special "local experience" you will find here among us.

While you are away from home during your stay here you will find you are in a region with a positively distinctive feel. We are confident you will enjoy yourselves in your interactions with friendly residents, while you dine at unique eateries, and as you explore the natural beauty of this area.

After Hamvention do not be surprised if you are drawn back here to see some destinations that show our rich historical heritage. Take the time to see our three Historical Black Colleges and Universities, and the many places of development of first flight to defending our states of a national defense. Perhaps you will extend your stay to enjoy the biggest, longest paved walking and biking trail system in the United States, or to enjoy the beauty of one of the most popular areas of State Parks.

Come grow with us in this innovative location as you foster friendships and develop new relationships. Although you might have arrived in Greene County meeting strangers, we know you will leave as friends looking forward to your annual return.

We are glad you are here.



Alan B. Seibert
Xenia Township Administrator



Ron Cramer, KD8ENJ

Ron is remembered as a kind friend and dedicated servant leader. DARA President, DARA Vice President, General Chair of Hamvention, and a liaison with Greene County are some of the roles he performed for the Dayton ham community. His unlimited commitment to the needs of all club members and Hamvention fans is greatly missed by the amateur radio world.



Mike Crawford, KC8GLE

Mike was a major contributor to DARA and Hamvention. He served as Hamvention Security Chair, DARA Emergency Van coordinator and helped on numerous committees. His valuable leadership and advice are a great loss to Hamvention, DARA and the amateur radio community.



Mike Buehler, N8XGA

Mike was passionate about getting things done for DARA and Hamvention. As a past president of DARA and most recently as the Hamvention Golf Cart Chairman, Mike was dedicated to serving both members of DARA and guests of Hamvention.



Mark Mattix, WA8NGY

Mark was always willing to take on assignments for Hamvention. A long-standing volunteer he most recently served as the Hamvention Ticket Chairman. His pleasant personality and dedication infused his work for DARA and Hamvention.



Dave Ziegler, KD8GEH

Dave loved Amateur Radio and Hamvention. He served as the Special Events Chairman and strived to produce the best possible station at Hamvention. Dave's tireless work for DARA and Hamvention and his knowledge and positive energy exemplified the role of ham volunteer.

Exhibitors

NOAA - National Weather Service.....	4308	DARA Membership.....	4007-4008
10-10 International Net, Inc.....	3810	DARA Special Event Station.....	2706-2707
405 Laserworks LLC.....	1907	DARC - German Amateur Radio Club.....	2503
ABR Industries.....	3211	Dayton Convention & Visitors Bureau (Montgomery).....	4306
ADSBexchange.com.....	1402	Dayton Skywarn.....	4308.
Airspy.US.....	1201-1202	Diamond Antenna.....	3401-3406
Alfa Radio Ltd.....	2106,2206	DX Engineering.....	
Alinco Inc.....	3007-3008	1207-1210,1307-1311,1407-1411,1508-1511	
Alpha Antenna.....	3207,3107	DZKit.....	1604-1606
Alpha RF Systems \ Dishtronix \ Ten-Tec.....	1807-1808	E-Blox Inc.....	4305
Amateur Radio Digital Communications.....	1302	Elecraft, Inc.....	1707-1711
Amateur Television Network.....	1003-1004	FAIRS Amateur International Radio Service ..	4207
American Contingency.....	1206	Fast Track Ham Radio Books & Presentations .	1908
Ameritron.....	1803-1804	FIRST Robotics.....	4004
AMSAT.....	1007-1010,1107-1110	Flagpoles by Uncommon USA Inc.....	3204
AREDN Amateur Radio Emergency Data Network (MVMA).....	1205	FlexRadio Systems2007-2009,2107-2108,2207-2208	
ARISS-USA.....	4301-4302	Futronics.....	1801
ARRL, The National Association for Amateur Radio.... 2001-2004,2101-2104,2201-2204,2301-2304,2401-2404		GigaParts Live Demo.....	3607-3611,3708-3711
Arrow Antenna.....	1106	Gold Medal Ideas.....	2701-2704
Barrett Communications / Royal Comm Inc.....	4109	Greene County Conv. & Visitors Bureau.....	5311
Batteries America.....	3808	GUOHETEC.....	1611
Begali Keys.....	2307-2308,2407-2408	Halibut Electronics.....	3011
BHI Ltd.....	1911	Ham Community.....	1809
BRIDGECOM SYSTEMS, INC.....	1103-1104	Ham Radio Deluxe.....	2801-2803
Buckmaster International.....	5106	Ham Radio Outlet.....	3307-3311
Buddipole.....	3003-3006	HamSCI.....	5008
Cable Experts.....	1701-1702	Hamsource.....	3903-3906
Chatt Radio.....	1903-1906	HamStudy.org.....	1901-1902
Chelegance Co. Ltd.....	5303	Hamvention Prize Booth.....	4500
Collins Collectors Association.....	2005-2006	HFSignals Corporation.....	5304
Comet Antenna / Daiwa Meters.....	3304-3306	HobbyPCB.....	1912
COMPACTenna.....	5208	Huntsville Hamfest.....	4110
Courage Kenny Handiham Program.....	5001	Hy-Gain Antennas.....	1806
Cushcraft Amateur Radio Antennas.....	1706	Hytech Marketing.....	3102,3202
Cutco Cutlery.....	5207	ICOM America	2508-2509,2608-2610,2708-2709
CW Operator`s Club.....	5102	Information Station Specialists.....	1002
DARA - International Relations.....	2601	Japan Amateur Radio League, Inc.....	2805
		JT Communications.....	3703

Exhibitors

JVC Kenwood.....	1503-1505,1603	RFinder, LLC.....	4111
K2BSA - ARA & Radio Scouting.....	2205	RigExpert USA.....	1301
K6BP.....	1909	RT Systems.....	3806
KB3IFH QSL Cards.....	4212	RV RADIO NETWORK.....	2105
LeafFilter Gutter.....	3809	Salvation Army SATERN.....	5109-5110
Libre Space Foundation.....	1005-1006	Scanner Master Corp.....	3303
Lido Mounts.....	2506-2507	SCARS Summit County Amateur Radio Society.....	5206
Linux in the Ham Shack.....	5004	Shack-in-a-Box.....	1401
Loop Antenna by I3VHF.....	3009	SignMan of Baton Rouge.....	3701-3702
LUSO.....	3105-3106,3205-3206	SKCC Straight Key Century Club.....	4112
M2 Antenna Systems, Inc.....	3302	Southwest Ohio GMRS Association.....	1802
MARS, Combined MARS.....	1810	SteppIR Communication Systems.....	1501,1601
Mastrant.....	3001-3002	System A.V. Co.....	3010
MFJ Enterprises Inc.....	1703-1705	TAPR (Tucson Amateur Packet Radio).....	5009-5011
Mirage / Vectronics.....	1805	Tarheel Antennas Inc.....	3704-3706
Momobeam.....	5006	The Competition.....	5308-5309
N3ZN Keys, LLC.....	1203-1204	The Wireman.....	3908-3911
National Voice of America Museum of Broadcasting 1910		Tower Electronics.....	3501-3502,3601-3602
NuView Clear.....	3804	Transel Corporation.....	3801-3802
NVIS/Codan Communications Consulting.....	5002	TRRX SYSTEMS, INC.....	5301-5302
OM International Sideband Society.....	2502	Unseen Bean.....	3012
Orlando HamCation.....	4209-4210	US Tower Corp.....	3110-3111
Peet Bros. Company, Inc.....	5202-5204	ve2dx Electronics.....	1506
PreppComm.....	3108,3109	Venture Crew 73.....	4010
QRP - ARCI.....	5107,5108	VHQ HEX.....	3104
QRP Labs.....	2603	Vibroplex.....	1607-1610
QRPworks.....	2804	W5YI Group-Gordon West Radio School.....	2306,2406
Quarter Century Wireless Association, Inc.....	5310	Watts Electronics.....	3103,3203
Quicksilver Radio Products... 3503-3506,3603-3606		Webster Communications Inc.....	3101,3201
R & L Electronics.....	1303-1306,1403-1406	West Mountain Radio.....	3208-3210
Rabbit Laser USA.....	4011-4013	Western Case Company.....	3805
Radio Amateurs of Canada.....	2504	Wild Sage Native American Jewelry.....	4310
Radio Club of America.....	1811	Wolf River Coils LLC.....	1101-1102
Radio Society of Great Britain.....	2305,2405	WRTC 2023.....	1507
Radiosport Headsets.....	4107-4108	Yaesu USA.....	3407-3411,3507-3511
RadioWavz.....	2606-2607	YLRL.....	2505
ReLite.....	1502,1602	Youth DX Adventure YDXA.....	2602
RF-Kit.de.....	3901-3902	Youth on the Air - YOTA.....	4303-4304
		Youth Tech - DARA.....	4001



Gate 2
Package Pickup
Reserved Parking

Gate 1
EXIT ONLY

General Info

- | | | | |
|---------------|----------------|-----------------|---------|
| Prize Booth | Tickets | Robot Arena | Maxim |
| Prize Monitor | Camping | Charging | Tesla - |
| Info Booth | ATM | EmComm Vehicles | Fr |
| Lost & Found | First Aid | Venture Crew 73 | W |
| Restrooms | Package Pickup | | |



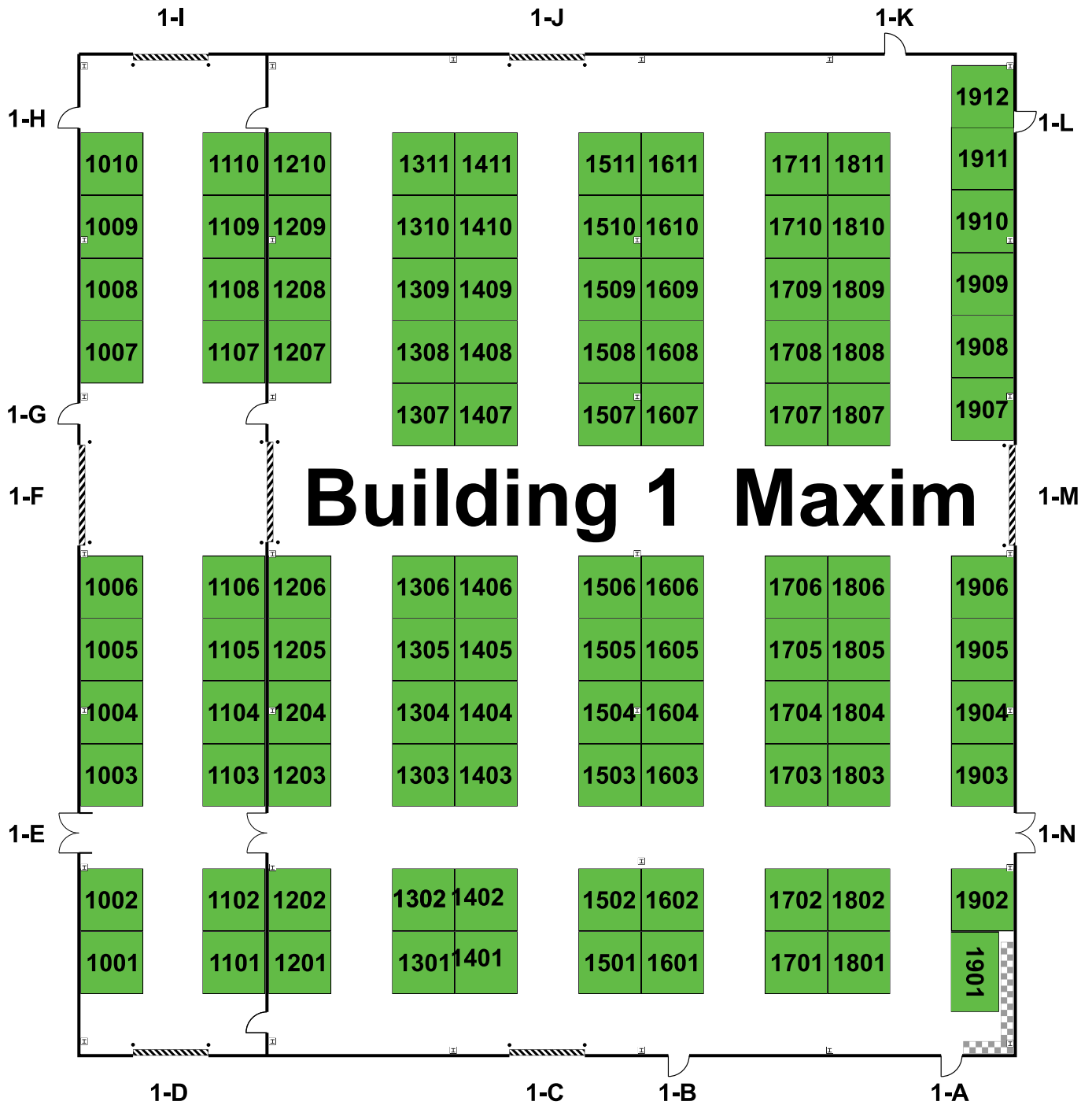
Flea Market Map

Inside Exhibits		Forums	
1000's (E3)	Marconi - 3000's (E5)	Hertz - 5000's (F1)	Forum 1
2000's (E4)	Volta - 4000's	(F2)	Forum 2
Flea Market		(F3)	Forum 3
Front Lot (FE)	East Infield	(F4)	Forum 4
West Infield (FG)	Grandstand		



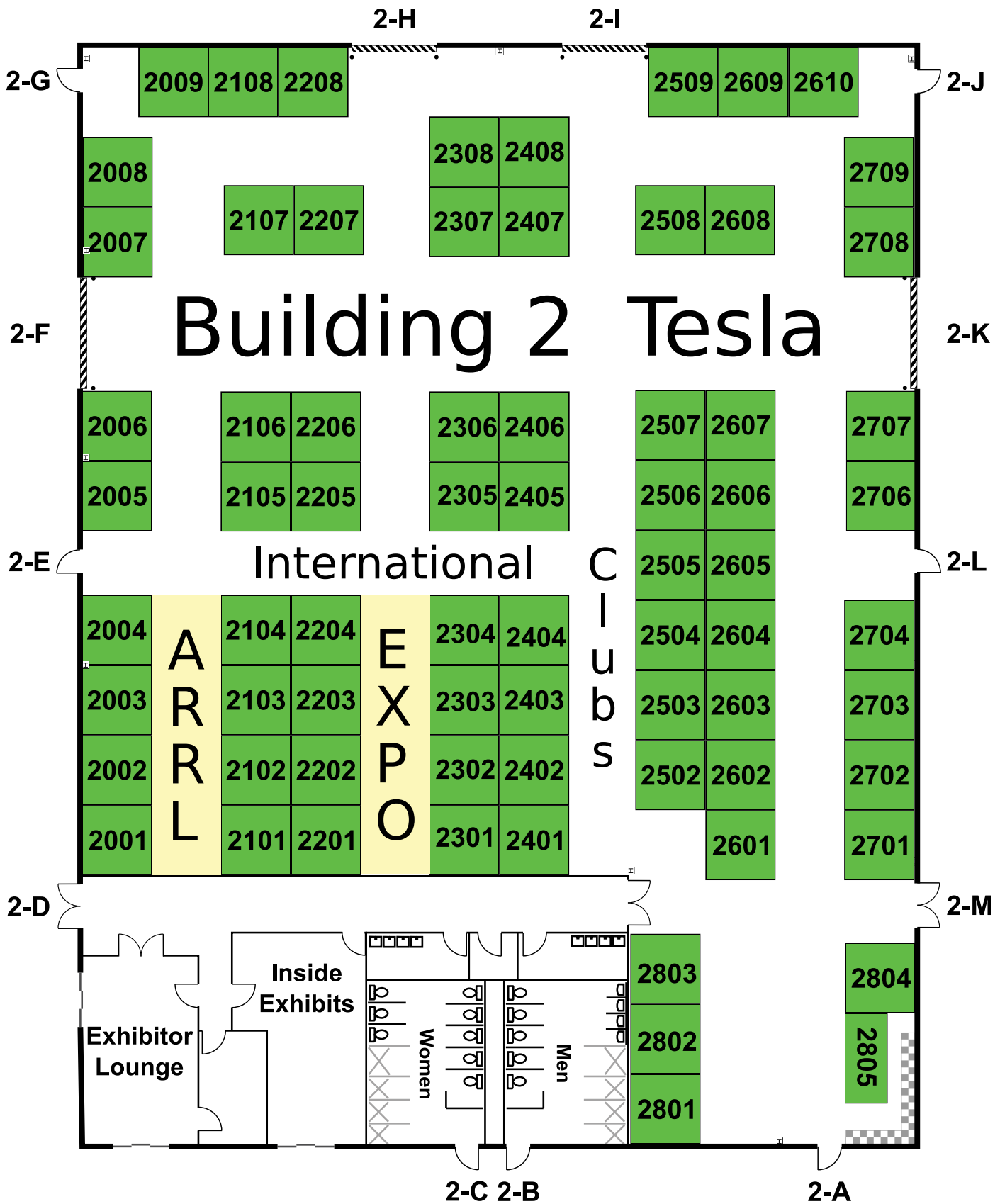
Flea Market Office

Inside Exhibits Map



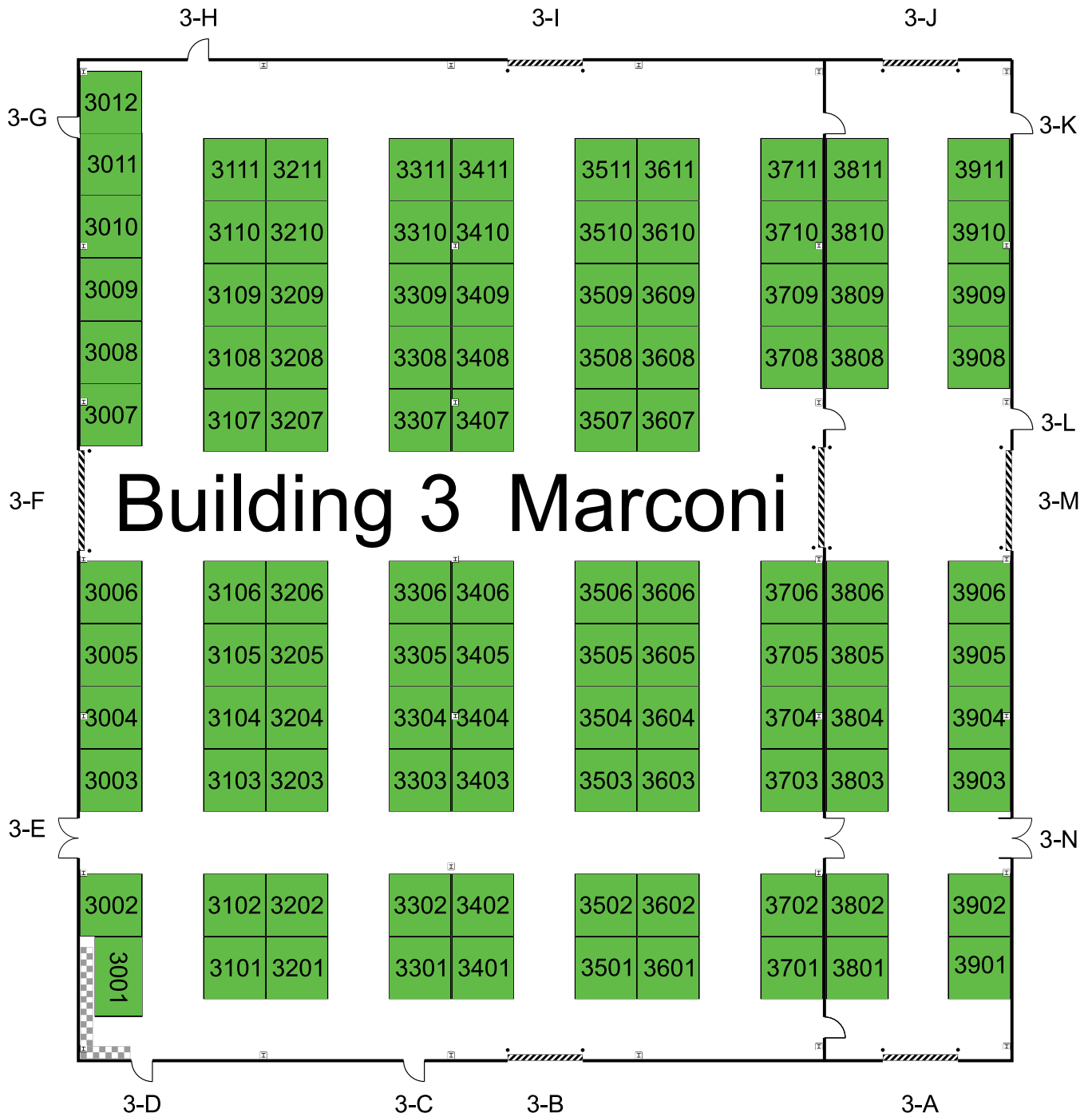
Maps

Inside Exhibits Map



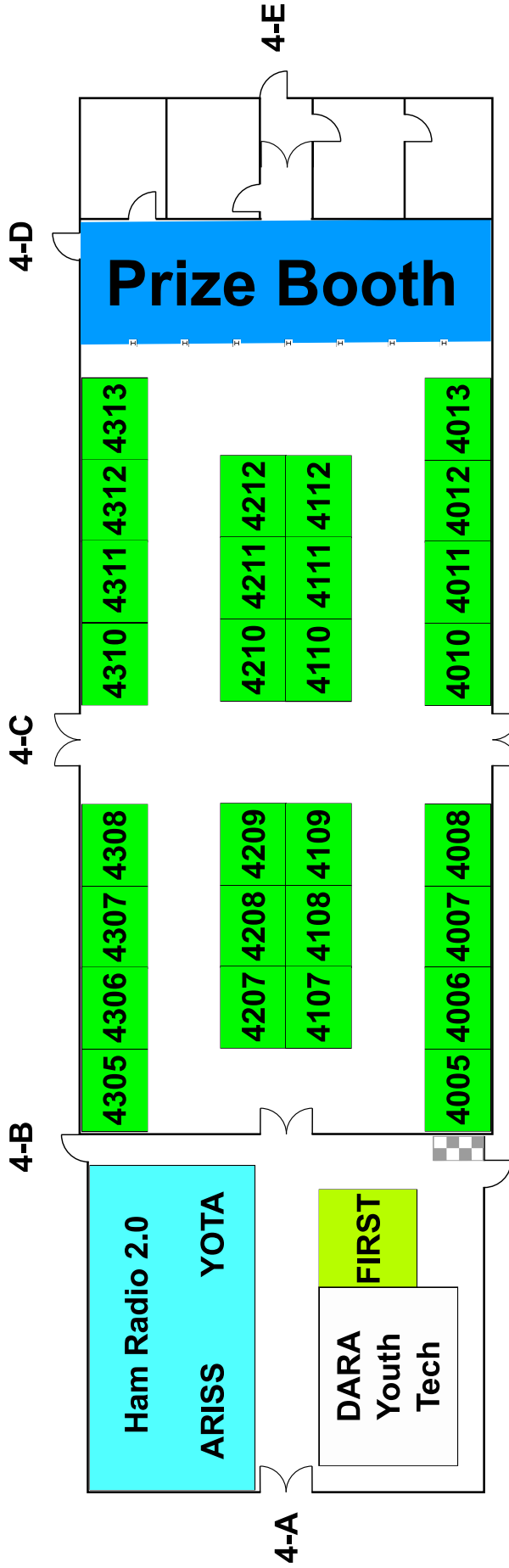
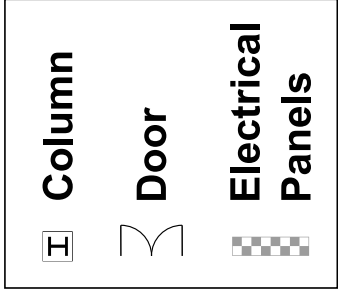
Maps

Inside Exhibits Map



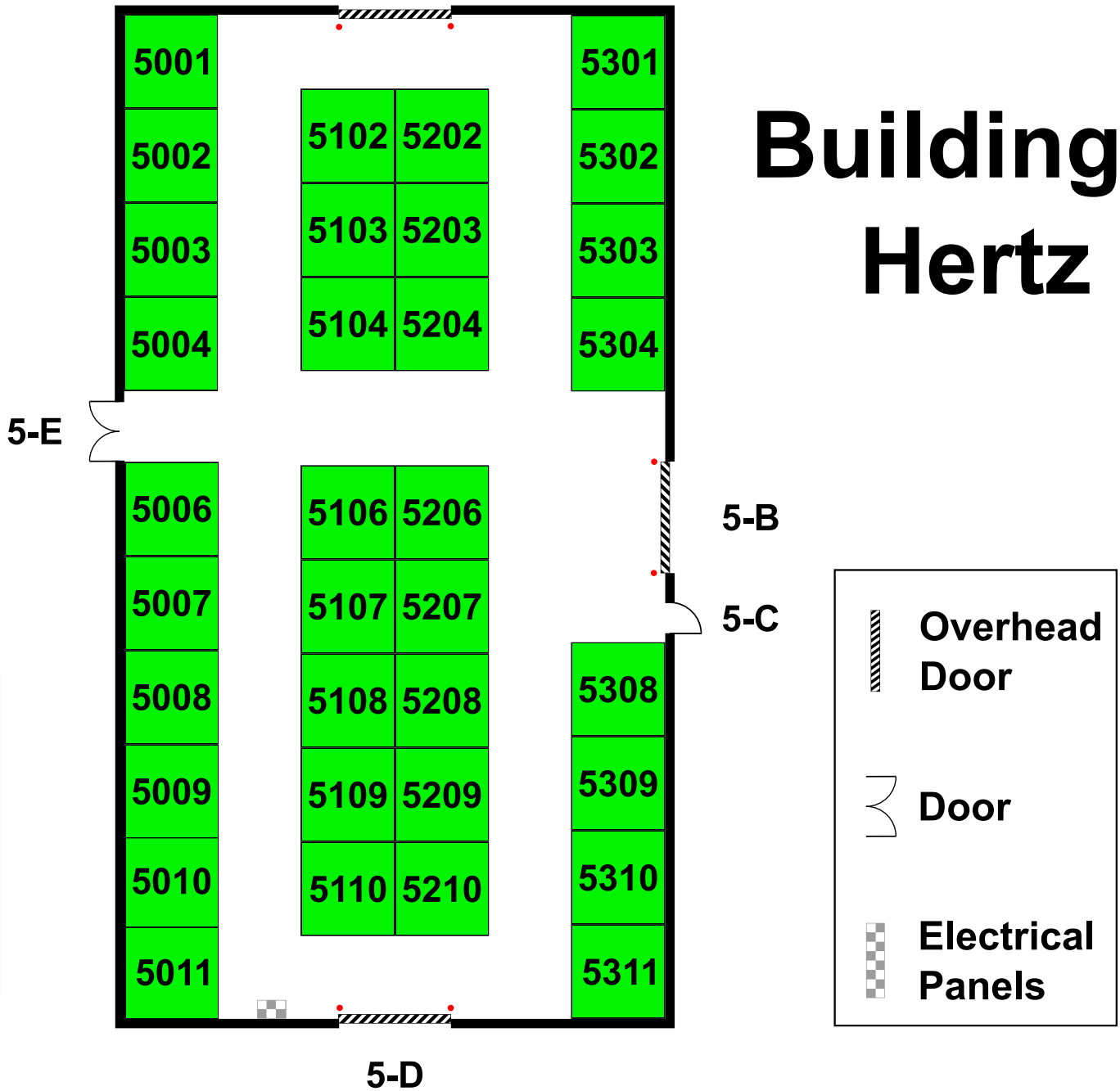
Maps

Building 4 Volta

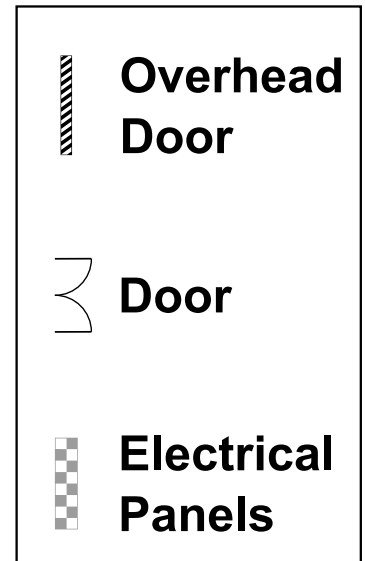


Inside Exhibits Map

5-A



Building 5 Hertz



Maps

Platinum Prize Donor List for 2023

Dx Engineering

Icom products donated by DX Engineering

The Platinum Prize Donor list recognizes donors whose aggregate donations exceeded \$15,000. We thank them for their generosity!

Bronze Prize Donor List for 2023

ARRL The National Association for Amateur Radio®
Tarheel Antenna Inc

The Bronze Prize Donor list recognizes donors whose aggregate donations exceeded \$1,000. We thank them for their generosity!

2023 Dayton Hamvention Prize Donor List

Alpha antenna

Amateur Television Network, ATN

BHI Ltd

Daiwa Meters/ Comet Antenna

K4ia@easywayhambooks.com

Ham Radio 2.0 - Yasme

Foundation

Heil Sound Ltd.

KB3IFH QSL Cards

MFJ Enterprises Inc

N3ZN Keys, LLC

Radioddity (Radi-oddity)

Foundation for Amateur Intl

Radio Service (FAIRS)

NCG Company

N4PY Software

COMPACTenna (NCG)

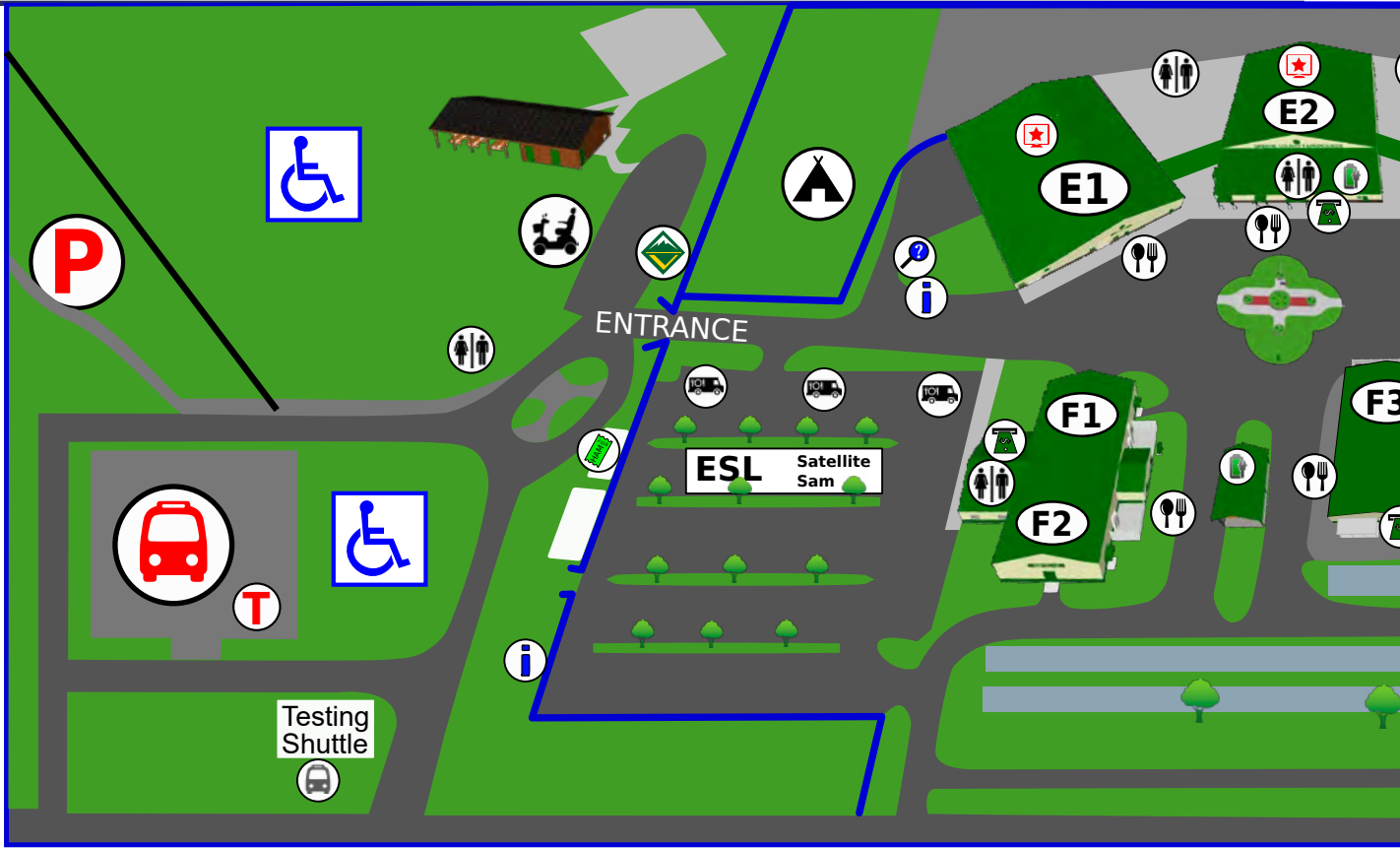
RT Systems

Mastrant Antenna Guying

Arrow Antenna

VE2DX Electronics

Overview Map of Grounds



Gate 4
 Guest/ADA Parking
 Tour Bus Dropoff
 Volunteer Parking

Gate 3
 Vehicle Exit
 Shuttle Busses

Gate 2
 Package Pickup
 Reserved Parking

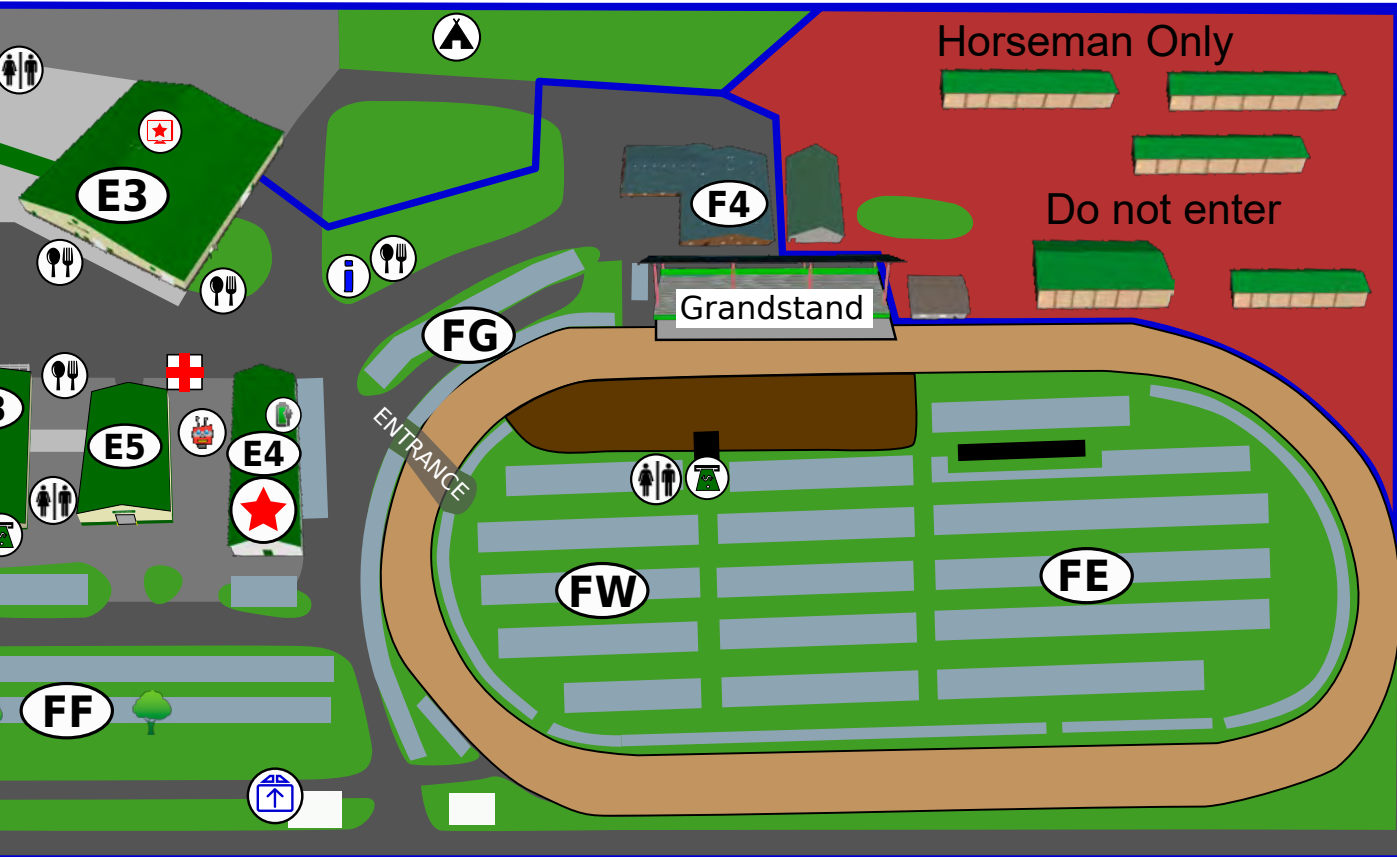
Parking

- Remote Parking Shuttle
- General
- Handicap
- Tour Bus Drop Off
- Scootaround
- Testing Shuttle

General Info

- Prize Booth
- Prize Monitor
- Info Booth
- Lost & Found
- Restrooms
- First Aid
- Robot Arena
- Charging
- Tickets
- Food Vendor
- Camping
- ATM
- EmComm Vehicles
- Venture Crew 73
- Package Pickup

Overview Map of Grounds



Gate 1
EXIT ONLY

Inside Exhibits

- (E1)** Maxim - 1000's
- (E2)** Tesla - 2000's
- (E3)** Marconi - 3000's
- (E4)** Volta - 4000's
- (E5)** Hertz - 5000'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



More detailed Forum information is available in the ARRL Events App. Find detailed maps, the vendor list, services, affiliated events, and forums listings on the ARRL Events App and at Hamvention.org

Friday, May 19th

- | | | |
|-------------|--------|---|
| 9:15-10:35 | Room 1 | TAPR - Topics in Digital Radio
Moderator: Scotty Cowling, WA2DFI
Speakers: John Ackermann, N8UR; Dylan Romero, KN6IVW; and Michael Ossmann, AE3H
Activities, project update, including CKM, timenuts carrier & UGLI, TangerineSDR project, designing a 3-D printable case for SDR, SDR-based Universal Radio Test Instrument. |
| 9:15-10:15 | Room 2 | Linux and Ham Radio Software
Moderator: Andy Stewart, KB1OIQ
Software collection called “Andy’s Ham Radio Linux”, based on Ubuntu Linux; discussion of programs available. |
| 9:15-10:20 | Room 3 | ARRL Lab: Behind the Scenes
Moderator: George Spatta, W1GKS, ARRL Lab Manager
Speakers: Steve Anderson, W1EMI, ARRL RFI Engineer
ARRL Lab’s Technical Information Service- the many ways it supports members and amateur radio, career and volunteer opportunities in the Lab. |
| 9:15-10:15 | Room 4 | The Importance of Amateur Radio Clubs
Moderator: Tom Sly, WB8LCD
Speaker: Michael Kalter, W8CI
How to create a club that members will want to belong to and participate in. |
| 10:25-11:25 | Room 2 | Elecraft K4D Users Group
Moderator: Scott Wright, K0MD
Speakers: Robert Wilson, N6TV
Elecraft K4D- tips and tricks for new and advanced users, best practices, updates on maximizing the performance of this rig across DXing, Contesting. General hobby use for CW, SSB and digital modes. |
| 10:25-11:25 | Room 4 | Instructor’s Forum
Moderator: Carole Perry, WB2MGP
Speaker: Neil Rapp, WB9VPG
Getting young hams involved with YOTA, FREE resources for instructors through the RCA Youth Activities, sharing of ideas for and with instructors. |

10:30-11:35	Room 3	<p>Digital Contesting Moderator: Ed Muns, W0YK Speakers: Peter Driessen, VE7AB and Rich Newbould, K3RWN Increasing Rate in FT Contests, Can a Little Pistol Be Competitive, Why You Should Care about Your LCR (Log Check Report).</p>
10:45-11:50	Room 2	<p>Parks on the Air Moderator: Matt Heere, N3NWV The origins and purpose of POTA, how to get started, PTOA stats, new POTA Plaque Event 2023, Q & A.</p>
11:35-1:00	Room 2	<p>Amateur Radio Newline Town Hall Moderator: Paul Braun, WD9GCO Speakers: Neil Rapp, WB9VPG and Riley Hollingsworth, K4ZDH Current topics of interest to all amateurs, Q&A about Amateur Radio Newline and our history.</p>
11:35-1:05	Room 4	<p>Kit Building Techniques for Success Moderator: Joe Eisenberg, K0NEB Methods for success at all skill levels, affordable tools, solder techniques, including desoldering.</p>
11:45-1:05	Room 3	<p>Amateur Radio High Altitude Balloons Moderator: Bill Brown, WB8ELK Speakers: Ken Daniel, K9YO; Todd McKinney, KN4TPG; Hans Summers, G0UPL and Dave Beverstein, VE3KCL Introduction to Long Duration Amateur Radio Balloon Flights, Build Your Own Arduino-Based WSPR Pico Balloon Tracker, Launching Amateur Radio Pico Balloons from Antarctica, The QRP-Labs U4B Pico Balloon Tracker. Pico Balloon launch after the forum (weather permitting).</p>
12:00-1:50	Room 1	<p>Innovation in Ham Radio Moderator: Chip Cohen, W1YW Speakers: Howard Rosen, VE2AED; Nathaniel Frissell, W2NAF; Jim Breakall, WA3FET; Stephen Floyd, W4YHD; Marty Sullaway, NN1C; Ted Rappaport, N9NB; Jeremy Hong, KD8TUO; Jack Nilsson, N8NDL Isaac Bentley, NB6F Intro and showcase of amateur radio's "enhancement of the radio art" through innovation enabled by skills and knowledge first acquired and nurtured as radio amateurs.</p>
1:00-2:00	Room 4	<p>Remote HF Station Ideas and Buiding Blocks Moderator: Michael Walker, VA3MW Building blocks of setting up a remote HF radio station from basics to latest innovations.</p>

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|------------------|---------------|--|
| 1:10-2:30 | Room 2 | <p>A Partnership To Save Lives
 Moderator: Brandon Peloquin, Warning Coordination Meteorologist, National Weather Service Wilmington, OH and Kristen Cassidy, Senior Forecaster, National Weather Service, Wilmington, OH.
 NOAA's and NWS partnership with amateur radio to build a Weather-Ready Nation.</p> |
| 1:15-2:25 | Room 3 | <p>ARRL - Protecting Amateur Radio
 Moderator: John Robert Stratton, N5AUS, Chair of the ARRL Legislative Advocacy Committee
 Update on ARRL's legislative activity and intervention on private land use restrictions on amateur radio.</p> |
| 2:00-5:00 | Room 1 | <p>Antenna Forum
 Moderator: Tim Duffy, K3LR
 Speakers: Frank Donovan, W3LPL, Dr. Jim Breakall, WA3FET, Dr. Nathaniel Frissell, W2NAF, Anthony Luscre, K8ZT
 6 Meter Long Distance Propagation during the Next Four Years of Solar Maximum, Practical Antenna Innovations for Amateur Radio, hamSCI Festivals of Eclipse Ionospheric Science, Ten Worst Antennas & How You Can Do Better.</p> |
| 2:10-3:30 | Room 4 | <p>Women! Ham Radio! Innovation!
 Moderator: Anne Manna, WB1ARU
 Contributions and innovations of YLs in ham radio. Interaction & networking time with YLs included.</p> |
| 2:35-3:45 | Room 3 | <p>ARRL - Amateur Radio and the Law
 Moderator: Fred Hopengarten, Esq., K1VR, ARRL Amateur Radio Legal Defense & Assistance Committee
 Liability insurance for public service activities; how to read local zoning ordinances ; ARRL's bill in Congress for hams living in homeowner association properties.</p> |
| 2:40-3:45 | Room 2 | <p>Amateur Radio Digital Communications (ARDC) Update - Funding Amateur Radio and Managing 44Net
 Moderator: John Hays, K7VE
 Speakers: Rosy Schechter, KJ7RYV, Jon Kemper, KA6NVY
 Update on reporting, improving, managing, and extending the application of ARDC's 12 million internet addresses. Update on grants/scholarships for the support of amateur radio, research and development, and education.</p> |
| 3:40-5:00 | Room 4 | <p>Mastering SOTA: Tips and Tricks for Peak Performance
 Moderator: Keith Schlottman, KR7RK
 Speakers: Charlie Brown, NJ7V & Brian Betz, W7JET
 Explore the latest techniques & innovations to help you get the most out of your SOTA adventures.</p> |

3:55-5:00 **Room 2** **System Fusion**
Moderator: Mark Thompson, WB9QZB
Speakers: John Kruk, N9UPC, Amateur Radio Sales Division, Yaesu USA
 Updates on Yaesu's System Fusion™ Voice & Data technology for Amateur Radio; sharing and Q&A.

3:55-5:00 **Room 3** **Software Defined Radio**
Moderator: Stephan Hicks, N5AC, CTO of Flex Radio
 Speakers/panel will discuss new advances in Software Defined Radio (SDR) technology and software defined radios.

Saturday, May 20th

9:15-10:15 **Room 1** **Ham Nation and YouTubers**
Moderator: Josh Nass, KI6NAZ
 Ham Nation discussion with past guests and YouTube creators.

9:15-12:00 **Room 2** **Youth Forum**
Moderator: Carole Perry, WB2MGP
Speakers: Landon Baumgartner, KE8TJU, Grace Papay, KE8RJU, Javan Miller, W8UA, Lyle Strachan, KE0ZNV, Collin Holdsworth, K0NNK, Katie Campbell, KE8LQR and Jim Storms AB8YK, the Hamvention General Chair
 Highlight: Presentations by young hams and information on the Dave Kalter Youth DX Adventure (YDXA). Door prizes.

9:15-10:40 **Room 3** **Foxhunting/ Transmitter Hunting**
Moderator: Dick Arnet, WB4SUV
Speaker: Bob Frey, WA6EZV; Brian DeYoung, K4BRI
 Basic foxhunting equipment & techniques for mobile & on foot. Amateur Radio Direction Finding/Radio Orienteering. KrakenSDR high tech transmitter hunting.

9:15-10:30 **Room 4** **Arduino - The Next Generation**
Moderator: Glen Popiel, KW5GP
 Exciting breakthroughs and discoveries in Arduino. Demo on how to take your Arduino projects to the next level.

10:25-11:20 **Room 1** **Helping Hands - The Story of The Ham Radio Spirit in Ukraine**
Moderator: Carsten Dauer, DM9EE, Ham of the Year
 The story of true amateur radio community spirit in helping Ukrainian ham radio families in a difficult time.

10:40-11:50 **Room 4** **Fast Scan ATV, DATV**
Moderator: Art Towslee, WA8RMC
Speakers: Mel Whitten, K0PFX and Mike Collis, WA6SVT
 Everything you need to know to setup and maintain Amateur Digital Hi-Def Tel and latest innovations.

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|--------------------|---------------|---|
| 10:50-11:50 | Room 3 | <p>ARRL - Good Operators and Interference
 Moderator: Riley Hollingsworth, K4ZDH, ARRL Volunteer Monitor Program Administrator
 Speakers: Lark Hadley, KA4A, Director, Region Three, FCC Enforcement Bureau, Bart Jahnke, W9JJ, ARRL Regulatory Information Manager and Steve Anderson, W1EMI, ARRL RFI Engineer
 Update on the ARRL Volunteer Monitor Program, helping each other maintain high standards on the air, how to handle radio interference from solar panels.</p> |
| 11:30-1:50 | Room 1 | <p>DX Forum- including Crozet Island, Palau, Sable Island, Bouvet
 Moderators: Jay Slough, K4ZLE and Brian Bathe, AF8FD
 Speakers: Thierry Mazel, F6CUK; Paul Granger, F6EXV; Jack Prendergast, N7JP; and Robin Amundson, WA7CPA
 Major announcement @ new DX mentor award. Tickets for the drawing for new ICOM radio available at the forum.</p> |
| 12:00-1:20 | Room 3 | <p>ARRL - Amateur Radio Emergency Service
 Moderator: Josh Johnston, KE5MHV, ARRL Director of Emergency Management
 Learn about opportunities to volunteer and train, best-practices, the importance of building mutually beneficial relationships with local emergency services, and the importance of our partnerships with served agencies.</p> |
| 12:00-1:30 | Room 4 | <p>VHF/UHF/Microwave
 Moderator: Tony Emanuele, K8ZR
 Speakers: Rus Healy, K2UA; Jay Baack, N1AV; and Rus Healy, K2UA
 Getting on the 76/78 GHz band; The Path to the Fred Fish Memorial Award in 1,481 Days; The Impacts of Analog-Only Categories in ARRL VHF Contests, and How We Got Here.</p> |
| 12:10-1:00 | Room 2 | <p>ARISS 2.0: The future vision for Amateur Radio on the International Space Station
 Moderator: Frank Bauer, KA3HDO
 Learn what ARISS is doing to support ham radio operations on human spaceflight vehicles – now and over the next 40 years. Expect some surprise guests and new announcements.</p> |
| 1:10-2:10 | Room 2 | <p>AMSAT
 Moderator: Phil Smith, W1EME
 Speakers: Robert Bankston, KE4AL, AMSAT President; Jerry Buxton, N0JY, AMSAT Vice President for Engineering; Alan Johnston, KU2Y, AMSAT Vice President Education Relations; Drew Glasbrenner, KO4MA, Vice President Operations; Frank Karnauskas, N1UW, Vice President of AMSAT Development
 Update on AMSAT including current & upcoming satellite missions, AMSAT CubeSat Simulator, AMSAT Youth Initiative.</p> |

1:30-2:30	Room 3	<p>ARRL - Membership Moderator: Dale Williams, WA8EFK, ARRL Director — Great Lakes Division Speakers: Rick Roderick, K5UR, ARRL President; David Minster, NA2AA, ARRL CEO; John R. Sager, WJ7S, ARRL Treasurer; Bob Naumann, W5OV, ARRL Director of Operations ARRL “Year of the Volunteers”, 2023 ARRL Field Day, Logbook of The World, and the yearlong Volunteers On the Air (VOTA) operating event. The new ARRL Estate Planning Workbook will be introduced. (limited number of free copies.)</p>
1:40-2:40	Room 4	<p>QCWA Annual Members’ Meeting Moderator: Ken Oelke, VE6AFO 75th Anniversary celebration. How we plan to make the next 75 years a huge success for QCWA and its members.</p>
2:00-3:50	Room 1	<p>Contesting Moderator: Doug Grant, K1DG Speakers: Fabio Schettini, I4UFH; Claudio Veroli, I4VEQ; Gregg Marco, W6IZT/C6AZT; Tom Georgens, W2SC/8P5A; Krassy Petkov, K1LZ; Jeff Briggs, K1ZM WRTC2022/2023 Update; Contest DXpedition from a Rig-in-a-Box; New 8P5A Station; K1LZ Hybrid Multi-multi.</p>
2:20-2:50	Room 2	<p>Connecting Worlds: Ham Radio in China and Global Enthusiasts Moderator: Jesse Chen, BD7LLY; The founder and CEO of Chelegance JNCRadio Challenges and opportunities of internationalizing Chinese amateur radio, the unique characteristics of Chinese amateur radio enthusiasts, and the innovative products and solutions offered by CHELEGANCE.</p>
2:40-3:50	Room 3	<p>ARRL - Collegiate Amateur Radio Program (CARP) Moderator: Andy Milluzzi, KK4LWR, Advisor, ARRL Collegiate Amateur Radio Initiative Speakers: Tony Milluzzi, KD8RTT, Advisor, ARRL Collegiate Amateur Radio Initiative, Bob Inderbitzen, NQ1R, Staff Liaison, ARRL Collegiate Amateur Radio Initiative, Steve Goodgame, K5ATA, Staff Liaison, ARRL Collegiate Amateur Radio Initiative Hear stories from students, alumni, and faculty about exciting CARP activities. The ARRL Collegiate Amateur Radio Program is sponsored in part by the W1YSM Snyder Family Collegiate & ARRL Affiliated Club Endowment Fund.</p>
2:50-3:50	Room 4	<p>HamSCI: The Ham Radio Science Citizen Investigation Moderator: Nathan Frizzel, W23NAF Plans to study the impacts of 2023/24 North American eclipses on the ionosphere and radio propagation, results of traveling ionospheric disturbance research, and progress on the HamSCI Personal Space Weather Station.</p>

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|-----------|---------------|---|
| 3:00-4:00 | Room 2 | <p>What's New in Ham Radio Deluxe
 Moderator: Michael Carper, WA9PIE
 HRD Alert is accelerating progress towards DXCC operating via FT8 with WSJT-X.
 A live demo of RemoteHamRadio.</p> |
| 4:00-5:00 | Room 1 | <p>The Fast Track to Understanding Ham Radio Propagation
 Moderator: Michael Burnette, AF7KB
 This lively, fast-paced presentation is a plain-language guide to understanding ionospheric propagation.</p> |
| 4:00-5:00 | Room 3 | <p>ARRL - Youth Outreach
 Moderator: Steve Goodgame, K5ATA, ARRL Education and Learning Manager
 Ways to attract and engage today's students to ham radio: thru technology; learning how-radios-work; building things; communicating by satellites and talking with astronauts; competing in contests; career networking, and making friends.</p> |
| 4:00-5:00 | Room 4 | <p>Using AREDN Software to Create an IP Ham Radio Network
 Moderator: Orv Beach, W6BI
 An overview of how AREDN software and a sampling of AREDN networks throughout the United States.</p> |
| 4:10-5:00 | Room 2 | <p>Five Common Threads of Ham Radio Innovation
 Moderator: Dave Jensen, W7DGJ (author of QRZ's column "Trials and Errors")
 Each of the five common threads for innovation will be reviewed and told in story form from personal experiences.</p> |

Sunday, May 21st

- | | | |
|------------|---------------|---|
| 9:15-10:15 | Room 1 | <p>HF Digital Voice and Digital Mode VarAC
 Moderator: Mel Whitten, K0PFX
 Speakers: Mooner Salem, K6AQ and Mike Weilbacher, KB0FX
 How to get started with FreeDV. 'New Digital Mode VarAC' - Its goal is to promote having "Real" QSOes.</p> |
| 9:15-10:15 | Room 2 | <p>Lightning and Grounding
 Moderator: Jim Bacher, WB8VSU
 Speaker: Ward Silver, N0AX
 What lightning characteristics are and external building bonding and grounding. In-shack bonding systems.</p> |
| 9:15-10:15 | Room 3 | <p>Voice Control of Amateur Radio Systems & AI Voice Assistants
 Moderator: William Franzin, VE4VR
 Methods of applying voice control to existing amateur radio systems and potential new areas of development .</p> |

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|-------------|---------------|---|
| 9:15-10:15 | Room 4 | <p>Techniques of the Best Operators
 Moderator: Mitch Stern, W1SJ
 How to become an excellent operator for working contests, chasing DX, or providing emergency communications.</p> |
| 10:30-11:30 | Room 1 | <p>How to Get Started with Digital Modes
 Moderator: Sholto Fisher, K7TMG
 Explaining the basics of digital modes, necessary hardware, software and configuration.</p> |
| 10:30-11:30 | Room 2 | <p>Solar Power for Portable Operations
 Moderator: John Leonardelli, VE3IPS
 Easy to understand how-to solar power your portable and field operations; 5 key components will be explained.</p> |
| 10:30-11:30 | Room 3 | <p>SWR Meters Make You Stupid
 Moderator: Eric Nichols, KL7AJ
 Detailed description of the Vector Network Analyzer (VNA). Introduction to simplified “Fat Purple Crayon” Smith Chart.</p> |
| 10:30-11:30 | Room 4 | <p>Digital Mobile Radio (DMR): Current and Future State
 Moderator: Matt Genelin, N0YNT
 Peer to peer’ state of DMR in a post-DMRx world. Influences of major networks such as Brandmeister, regionalization of independent cBridge networks.</p> |

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Forums

2023 ARRL/DARA Scholarships



Tyler Blackham, KG7YHI

Tyler Blackham, KG7YHI, is from West Jordan, UT, and has held a Technician License since 2015. He enjoys amateur radio because it has helped him to serve others in the community in a way that most people can't. He has served as Radio Support for a Supply and Gear vehicle during the Huntsman 140 Bike race. Personally, amateur radio has helped him develop a better relationship with his grandfather who taught him and helped him receive his license.

Tyler is attending Utah State University and studying Computer Science and Management Information Systems.



Caroline Conolly, KI7AJB

Caroline Conolly, KI7AJB, is from Dallas, OR, and has held a General License since 2016. She started with amateur radio as a means to communicate on group camping trips and she first earned her Technician when she was in 6th grade. She became more involved after joining the Polk County ARES as a high school student. She looks forward to finding ways to bring more women into the hobby.

Caroline attends Montana State University – Bozeman and is studying Chemical Engineering.



Tyler Kiefer, KE0YEK

Tyler Kiefer, KE0YEK, is from High Ridge, MO, and has held a Technician License since 2019. He enjoys learning from older Hams about fixing radios, making antennas, and general radio communications, including a lot of quality time with his father doing Parks On The Air. He hopes to serve in Law Enforcement following graduation.

Tyler attends Missouri Baptist University and is studying Criminal Justice.



Austin Strobel, KO4FAM

Austin Strobel, KO4FAM, is from Knoxville, TN. He comes from a family of engineers and is interested in Computer Engineering because it combines math, physics, and programming. He became interested in Amateur Radio at the beginning of the Covid-19 Pandemic and has attended Field Day and has become involved in his local club with the help of his Elmer who is a retired electrical engineer.

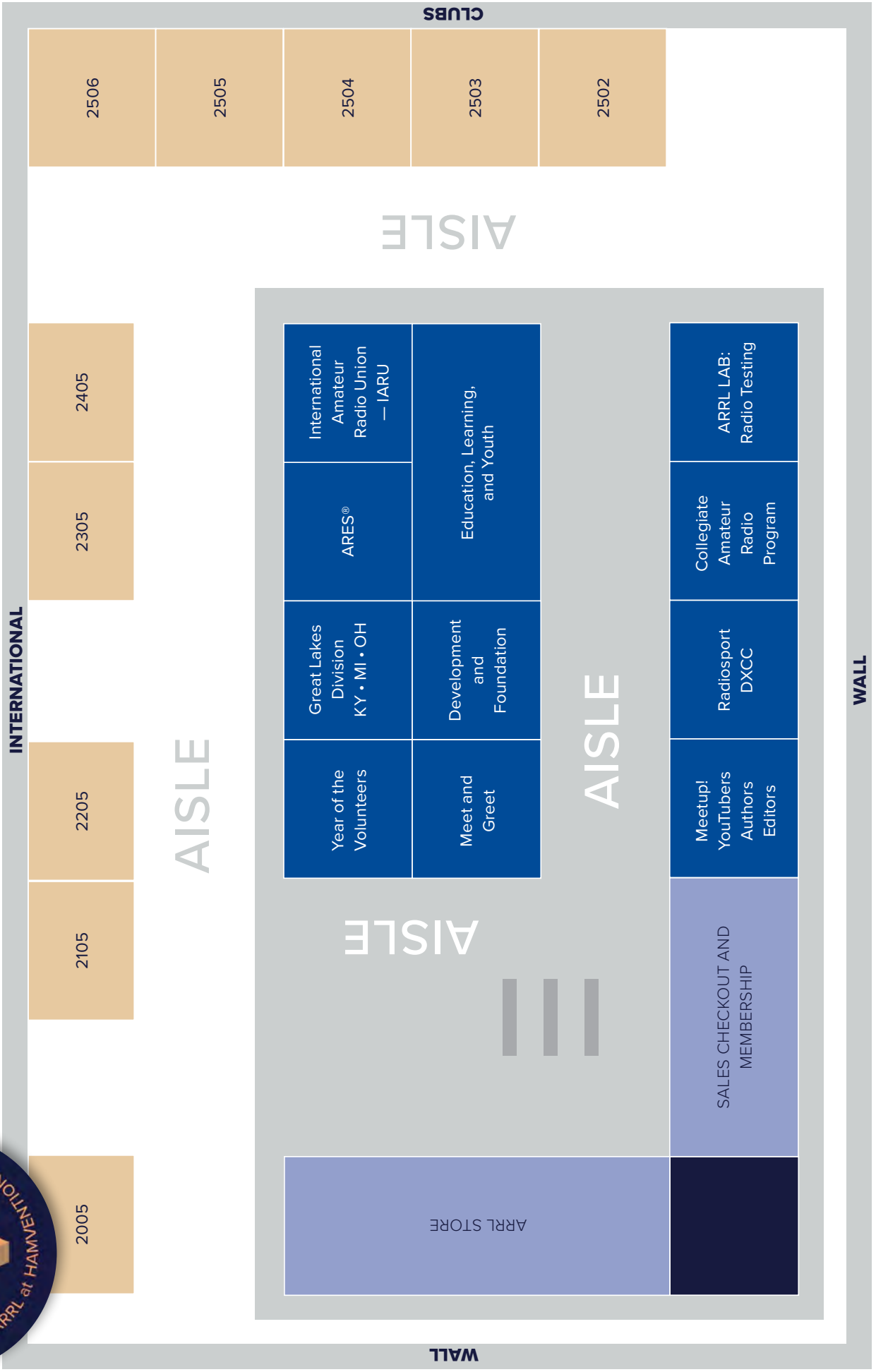
Austin attends University of Tennessee, Knoxville, and is studying Computer Engineering.

The ARRL Foundation will be announcing the DARA Scholarship recipients for this year in late May or early June. The ARRL Foundation Scholarship application will re-open in October 2023; interested students will have until December 31, 2023 to apply for the DARA Scholarships along with many others. Questions concerning the application process should be directed to foundation@arrl.org.



2023 DAYTON HAMVENTION® ARRL EXPO EXHIBIT AREA

Building 2—Tesla



Award Winners

The Hamvention Awards committee is pleased to announce the winners of the Hamvention 2023 awards. Amateurs have been honored by Hamvention for their dedication and contribution to ham radio since 1955. Please join Hamvention in publicly honoring the recipients on Sunday afternoon prior to the final prize award activity.

Club of the year: Delaware Valley Radio Association (DVRA)



The Delaware Valley Radio Association (DVRA), an ARRL affiliated club formed in 1930, serves the Trenton, New Jersey metropolitan area. The club has tripled in size over the last six years due to the wide range of amateur radio activities and events they offer. An all-purpose club, the DVRA's activities include public service events, operator training/mentoring, Scouting events, informational monthly meetings, POTA events, and the operation of a world class club station.

The DVRA center of activity is club station W2ZQ, which operates a regular schedule. The station was renovated six years ago and currently houses two complete HF stations, a VHF repeater, an APRS digipeater and a WinLink VHF-RMS node. The recent addition of 1296 MHz EME capability has been optimized with the assistance of member Joe Taylor (K1JT). Station activities include an open house, hands-on seminars, contesting, and special event activations. Most importantly, the exchange of ideas that occurs within the walls of the building is priceless.

The DVRA's focus on training and its diversification of projects attract new and prospective hams and engage radio amateurs at all levels and with widely varying interests.

Award Winners

Amateur of The Year: Carsten Dauer, DM9EE

Carsten Dauer (DM9EE) has been active in European amateur radio through WRTC and YOTA for 30 years. Recently, he has spearheaded DM9EE-Helping Hands, a movement to provide amateur radio equipment to war torn Ukraine by collecting donations and delivering them personally to communities in Ukraine. Approximately 5000 kg of radios, power banks, solar packs, and first aid have been shipped to Ukraine along with the donation of countless hours of planning, packing, documentation, and accessing permits have gone into this endeavor. On the return trip from Ukraine Carsten transports war refugees to havens in Germany, including his own hotel.



Technical Achievement Award: Dr. James Breakall, WA3FET

Dr. James Breakall's work has been instrumental in amateur radio antenna technology development for decades. He has teamed with many experts in the field to develop state of the art advancements with a wide range of applications, including the Numerical Electromagnetic Code (NEC). As a professor of electrical engineering at Penn State University from 1989 to 2022, Dr. Breakall (WA3FET) developed cutting edge antenna technology and mentored his students in amateur radio, resulting in 700 new licensees. Now a retired Professor Emeritus, he serves as a consultant to the Army, Air Force and Navy on many antenna related projects.

Nittany Scientific, a company initiated with his students, developed some of the first optimization



methods applied to NEC in a package called NECOPT, a design he called Optimized Wideband Antenna (OWA) Yagi. The optimization had the goals of minimum peak SWR in a band, maximizing the lowest gain in a band, and maximizing the minimum front-to-back ratio in the band. These OWA Yagi designs have been used in numerous contest and DX stations around the world. Because he wants this technology to be readily available worldwide, he has not pursued patent licensing. He also was the first to use helicopter measurements and Geometrical Theory of Diffraction (GTD) techniques for antennas in terrain at HF that led to software such as TA and HFTA.

Previous Award Winners

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
1991..John B. Johnston, W3BE
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, WØGFQ
1998..Andrew J. Feldman, WB2FXN
1999..Kenneth M. Miller, K6IR
2000..Martie Laine, OH2BH
2001..George Jacobs, W3ASK
2002..Alanson “Hap” Holly, KC9RP
2003..Larry “Tree” Tyree, N6TR
2004..David Kopacz, KY1V
2005..Alan S. Kaul, W6RCL
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
2018..Valerie Hotzfeld, NV9L
2019..Nathaniel Frissell, W2NAF
2020..Yasuo Miyazawa, JH1AJT
2021..Angel Vazquez, WP3R
2022..Jim Simpson, KF8J

Previous Award Winners

SPECIAL ACHIEVEMENT AWARD

1977.....South American Moonbounce (EME) Expedition Team of the Mt. Airy VHF Radio Club Inc., Philadelphia, PA Elliott Weisman, K3JJZ Anthony Sousa, W3HMU S. William Olsan, W3HQT Walter Boldman, K3BPP Daniel Mitten, WA3NFU Socrates Martinez, WB3AFY Bohner Aguilar, WB3AOP	1996..... John Kraus, W8JK 1997..... Joseph J. Fairclough, WB2JKJ 1998..... John B. Bellows, Jr., K0QB 1999..... 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 Horzempa, WA1LOU 2017..... S. Ram Mohan VU2MYH 2018..... Heriberto Perez, KK4DCX Victor Torres, WP4SD Emilio Ortiz JR, WP4KEY
1978..... Ronald Moorefield, W8ILC 1979..... Edward Tilton, W1HDO 1980..... Joseph Merdler N6AHU 1981..... Bill Pasternak, WA6ITF, Bill Orenstein, KH6IAF 1982..... Bruce Humphrys, K0HR 1983..... Lenore Jensen, W6NAZ 1984..... Ethel Smith, K4LMB 1985..... Judith Frye, KG8P 1986..... Rev. Michael Mullen, C.M., WB2GQW 1987..... Arthur Gentry, W6MEP 1988..... Fred Hammond, VE3HC 1989..... Phil Karn, KA9Q 1990..... Paul Thomson, KC0VG 1991..... Nate Brightman, K60SC 1992..... Ned Raub, W1RAN 1993..... Robert Adams, WA9ZMO 1994..... Russ Kroeker, N7HGE 1995..... Ed Briner, WA3TVG	2019..... Christian Janssen, DL1MGB/KO2WW 2020..... Jordan Sherer, KN4CRD 2021..... Wesley Lamboley, W3WL 2022..... Kerry Banke, N8IZW

TECHNICAL EXCELLENCE AWARD

1984.....Lyle Johnson, WA7GXD 1985.....Richard Whiting, W0TN 1986.....M. E (Doug) DeMaw, W1FB 1987.....Henry (Hank) Oredson, W0RLI 1988.....Lew McCoy, W1ICP 1989.....Byron Goodman, W1DX 1990.....Bob McGwier, N4HY 1991.....Lou McFadin, W5DID 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..... Copthorne 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..... Chip Cohen, W1YW 2019..... Pietro Begali, I2RTF 2020..... Steve Franke, K9AN Bill Somerville, G4WJS Joe Taylor, K1JT 2021..... Tamitha Skov, WX6SWW 2022..... Adam Farson, VA7OJ/AB4OJ
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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	
2017-2018	Ron Cramer, KD8ENJ	*
2019-2020	Jack Gerbs, WB8SCT	
2021-2022	Rick Allnutt, WS8G	

* Silent Key

Past DARA Presidents

1926	C.A. Petry.....	8AWN	1975	Robert O. Wilson	W8JRN
1927	C.A. Petry.....	8AWN	1976	Robert O. Wilson	W8JRN
1928	Lou Driggs.....	W8HEQ	1977	Melvin L. Levy.....	WA8YKV
1929	Ray Stotts		1978	Melvin L. Levy.....	WA8YKV
1930	Art John.....	W8DMI	1979	William G. Ingling.....	W8SVI
1931	Fred Rawson.....	W8KKH	1980	William G. Ingling.....	W8SVI
1932			1981	Victor M. Stauder.....	N8FPF/WA2KOO
1933	Fred Allen	W8GER /W8FU	1982	Victor M. Stauder.....	N8FPF/WA2KOO
1934			1983	Thomas Holmes	N8ZM
1935	Dan C. McCoy.....	W8CI/W8DG	1984	Victor M. Stauder.....	N8FPF/WA2KOO
1936			1985	Edgar “Red” Smith.....	W8RKL
1937			1986	Ray Smith.....	KR8B
1938	Emil Henrich.....	W8OVL	1987	Ray Smith.....	KR8B
1939			1988	Al Torres.....	KP4AQI
1940	Russ Gardner	W8TPC	1989	Thomas Holmes	N8ZM
1941			1990	Thomas Holmes	N8ZM
1942	Cheever Ely.....	W8LJ	1991	Ron L. Moorefield.....	W8ILC
1943	Cheever Ely.....	W8LJ	1992	Thomas Holmes	N8ZM
1944	Cheever Ely.....	W8LJ	1993	Victor M. Stauder.....	N8FPF/WA2KOO
1945	Hyde E. Ruble.....	W8PTF	1994	Thomas Holmes	N8ZM
1946	Hyde E. Ruble.....	W8PTF	1995	Dave Coons.....	WT8W
1947	Russ Hardy.....	W8AQT	1996	Dave Coons.....	WT8W
1948	Clem Wolford.....	W8ENH	1997	Michelle Ervin.....	KA9FUL
1949	John Willig.....	W8ACE	1998	Gary DesCombes.....	N8EMO
1950	Clem Wolford.....	W8ENH	1999	Gary DesCombes.....	N8EMO
1951	Frank Schwab	W8YCP/W8OK	2000	John Phillips	N8ZGT
1952	Frank Schwab	W8YCP/W8OK	2001	Reuben Meeks	W8GUC
1953	Hyde E. Ruble.....	W8PTF	2002	Reuben Meeks	W8GUC
1954	Rudy Plak.....	W8ZOF	2003	Mike Buehler	N8XGA
1955	Allan D. Gunston.....	W8GQ	2004	Mike Buehler	N8XGA
1956	Andrew B. Henderson.....	W8WYL	2005	Michael Kalter	W8CI
1957	Robert G. Siff.....	W8QDI	2006	Michael Kalter	W8CI
1958	Ed F. Bonnet	W8OVG	2007	Jim Simpson.....	WB8QZZ
1959	Joseph H. McNutt	W8GFN	2008	Jim Simpson.....	WB8QZZ
1960	Walter G. Burdine.....	W8ZCV	2009	Steve Coy.....	K8UD
1961	Robert F. Zimmerman	W8DPW/W8ZM	2010	Jim Simpson.....	WB8QZZ
1962	Hyde E. Ruble	W8PTF	2011	Steve Coy.....	K8UD
1963	Richard D. McFadden	K8ERE	2012	Don Dubon.....	N6JRL
1964	Ted Suarez.....	K8BSC	2013	Don Dubon.....	N6JRL
1965	Robert E. Wilcox.....	K8EJI	2014	Reuben Meeks	W8GUC
1966	Jim Dakin.....	K8BPC	2015	Don Dubon.....	N6JRL
1967	Ken Mills.....	W8RLY	2016	Andrew Anderson	N8VES
1968	George Shearer.....	WA8IHC/KE8WJ	2017	Andrew Anderson	N8VES
1969	George Shearer.....	WA8IHC/ KE8WJ	2018	Ron Cramer	KD8ENJ
1970	Owen Vance.....	WA8PHW	2019	Ron Cramer	KD8ENJ
1971	Jules Wittebort.....	W8SE	2020	Ron Cramer	KD8ENJ
1972	Budd Chaney	WA8UUX	2021	Jack Gerbs	WB8SCT
1973	Wesley Duckwitz.....	W8IPT	2022	Jack Gerbs	WB8SCT
1974	Ken Mills.....	W8RLY			

Dayton Amateur Radio Association

DARA Board



Jack Gerbs, WB8SCT
President



Ron Cramer, KD8ENJ/SK
Vice President



Melissa Markland, KD8RTR
Secretary



Michael Kalter, W8CI
Treasurer



Jim Tideman, N8IDS
Senior Trustee

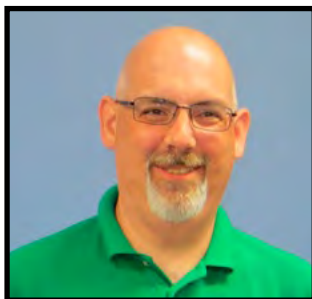


Keith Yarger, AD8DC
Junior Trustee

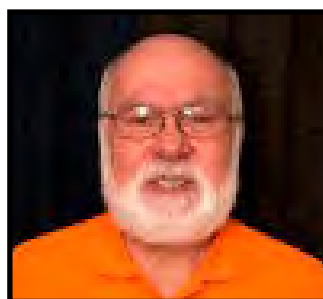


Jim Storms, AB8YK
Hamvention General Chair

Planning Council



Rob Lunsford, KB8UEY



Charles Kaiser, KD8JZR



Carl Rose, K8CPR

While you are in town be sure to stop by the newly re-modeled club house with a 4000 square foot addition



DARA Club House

Open House Hours:

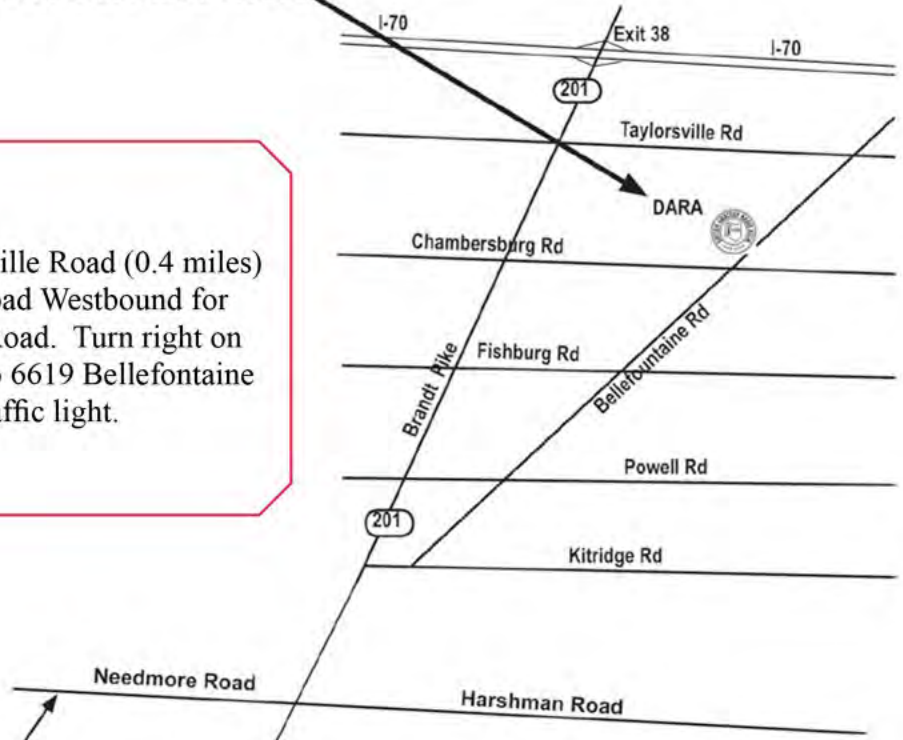
Friday 6:00 p.m.-8:00 p.m.

Saturday 6:00 p.m.-8:00 p.m.

Directions to DARA's Club House

6619 Bellefontaine Road

From I70
Go South on Brandt Pike to Taylorsville Road (0.4 miles) and turn left. Follow Taylorsville Road Westbound for 1 mile to stop sign at Bellefontaine Road. Turn right on Bellefontaine and follow 1.1 miles to 6619 Bellefontaine Road on the right just north of the traffic light.



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(Also known under various names: Turner Rd, Shoup Mill Rd., Needmore Rd. & Harshman Rd.)

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