



WEST VALLEY HAM SHACK HALLICRAFTERS AUCTION

The West Valley Ham Shack announces the date for its much-anticipated auction of fine, extremely collectible vintage HALLICRAFTERS amateur radio gear.

For viewing hours, dates & other information:

westvalleyhamshack.com



March 23, 2024

We will be
auctioning over
150 items

Most are vintage
Hallicrafters
amateur radio gear

There are other
treasures too!

All Items sold
"As Is"

**WEST VALLEY
ELECTRONICS CLUB**

11115 W. Nevada Ave.
Youngtown, AZ

Go to our website for
photos & information
on items to be
auctioned.



The Arizona Amateur Radio Club and
The Arizona Red Cross Communications Club
present the



Hamfest & Electronics Swap at DeVry March 30, 2024

DeVry University - South Parking Lot
2149 W Dunlap Ave., Phoenix, AZ

Hours: 7:00 AM to 11:00 AM
Admission Donation—\$5.00
Tailgate Spaces—\$10.00 each
Commercial Vendors—Tailgaters

VE Testing – 9:00 AM
DX QSL Card Checking - 9 to 10 AM
Prizes – Drinks - Refreshments
Meetings: ARCA, Repeater Owners
Presentations!

Raffle Tickets: 1 for \$5, 3 for \$10, 8 for \$20
1st Prize: To Be Determined
2nd Prize: To Be Determined
3rd Prize: To Be Determined



SELL - TRADE

BROWSE - BUY

SPEND THE DAY WITH FRIENDS



Google Earth



Talk-In on 147.280 (+) PL 162.2 Hz

Go to k7arc.org for more information and
presentation schedule



RST Radio Society of Tucson

TUCSON SPRING HAM (fest)

Saturday April 6th 2024

7 AM - 11 AM



**Buyers - Free Admission & Parking
Sellers – Shaded Parking
Seller Setup Starting at 6 AM**



**Calvary Tucson Church
8711 East Speedway in Tucson**

Morning Snacks by Scout Troop 157

Seller/vendor spaces - \$10/parking space.

RAFFLE

Tickets: \$2 each, 3 for \$5, 7 for \$10, 15 for \$20, and 40 for \$40.

Need not be present to win.

Online Raffle Ticket Sales: www.k7rst.club

Raffle Prizes

**Yaesu FT-991A HF/VHF/UHF Transceiver
plus many others to be determined as we get closer.**

Map and information: <http://www.k7rst.club>

2024 Prescott Hamfest

April 20, 2024

The DX Store



R&L Electronics

Granville Elementary School

5250 Stover Drive, Prescott Valley, AZ 86314

Saturday April 20 Schedule

- 0800 Hamfest opens.
- 0900 to 1100 Hourly Prize Drawings
- 1130 Grand Prize Drawings (You do not need to be present.)
- 1200 Hamfest ends.

YOU ARE ENCOURAGED TO PRE-REGISTER FOR SWAPFEST SPACES AT
<https://prescotthamfest.com/tailgating/>
DUE TO LIMITED SPACE - RVs, CAMPERS, AND TRAILERS WILL NOT BE PERMITTED.

Featuring:

- ✓ Tail Gate Swapfest
- ✓ Consignment Sales
- ✓ Youth Products Table
- ✓ Grand Prize / Hourly Prize Drawings
- ✓ Coffee and Donuts

General Admission \$5.00 per person

Swapfest - Mostly Covered Parking Lot Spaces \$10.00 each - max 3 spaces

Full-Time Students FREE with Student ID / 16 Years and Younger FREE

ARCA co-sponsored Event

Grand Prizes

YAESU FTDX10 HF/6M Hybrid SDR CW/SSB/DATA
Comet CAA-500 Mark II Antenna Analyzer – 500 MHz
Donated by: The DX Store & Comet Antennas
YAESU FTM300DR C4FM Digital Dual Band Mobile



Tickets \$1 each or 6 for \$5 – No need to be present to win Grand Prizes

Check for updates and additional details: www.prescotthamfest.org

Contact: Hamfest Chairperson – Byron Wilkinson KK7BFL (hamfest@w7yrc.org)

NO GUNS, DRUGS, ALCOHOL, SMOKING, VAPING, OR FIREWORKS
ONLY LEASHED ANIMALS ARE PERMITTED



DAYTON 2024 HAMVENTION®

Expanding Our Community



Greene County Fairgrounds & Expo Center
Xenia, Ohio

Get Your Tickets Online NOW!
\$26 in advance or \$30 at the gate

May 17 - 19, 2024

- Exhibits & Flea Market
- Forums & Activities
- Networking & More!

hamvention.org

Meet us at Hamvention® for the 2024 ARRL National Convention



Program Highlights

- Special Exhibits and Guests
- Presentations and Forums
- ARRL Program Representatives
- ARRL Store. Get 2024 ARRL Field Day gear!



2024 ARRL Youth Rally at Hamvention® Saturday, May 18

Hands-on ham radio activities, discovery, sharing, and fun!
Advance online registration required (ages 11 – 21; includes t-shirt, lanyard, and badge)

Hamvention will provide admission tickets at no cost for these ARRL pre-registered Youth Rally attendees.

Register for the Youth Rally at www.arrl.org/expo



ARRL
events

Download the ARRL Events app to find booths, exhibits, forums, maps, hourly prize drawings, and more!

Get the full **2024 ARRL National Convention Program** at www.arrl.org/expo



Northern Arizona DX Association

Presents the

FLAGSTAFF HAMFEST

Sponsored by The Amateur Radio Council of Arizona

Saturday **July 20, 2024**

Talk-in on 146.98 (-) Tone 162.2
Parking is FREE but NO Overnight Parking

\$5 Donation for Admission

Indoors/Outdoors at Sinagua Middle School,
Rain or Shine 3950 E Butler, Flagstaff, AZ.

Grand Prizes - Icom IC-7300, LiFePO4 Battery &
Comet CAA-500MARKII SWR/Impedance Analyzer

Do Not Have to Be Present to Win

Lunch On-Site

Hourly Prize Drawings

Coffee and Donuts



Tailgating 7 AM – 3 PM

Set-up 6 -7 AM

\$10 per Space

Vendors Inside 7 AM – 3PM

Set-up Fri Noon – 4 PM and Sat 6 – 7 AM

\$20 per 10' x 10' space

Technical Presentations

ARRL Booth with QSL Card Checking



Speakers, Tailgating, Inside Vendors, Food, Door Prize Drawings,
Grand Prizes, 2 Meter Talk-In, VE Exams, and So Much More!

Email – President@NADXA.com

For more Information:

Web – Flagstaffhamfest.org

Amateur Radio Promote & Support



Examples



Promote the Amateur Radio hobby. Show YOUR amateur radio callsign on your Arizona Vehicle License Plate.

Support the Amateur Radio hobby. \$17 of the additional annual yearly \$25 cost for an Arizona Amateur Radio Vehicle License Plate goes to fund the following Arizona Amateur Radio activities:

College Scholarships, Youth Programs & Emergency Communications

For more Information go to: <http://www.az-arrrl.org/web/AzPlate.htm>

The Morse Code Characters

(● means a short beep, & — is a longer beep)

A: ● —	S: ●●●
B: — ●●●	T: —
C: — ● — ●	U: ●● —
D: — ●●	V: ●●● —
E: ●	W: ● — —
F: ●● — ●	X: — ●● —
G: — — ●	Y: — ● — —
H: ●●●●	Z: — — ●●
I: ●●	1: ● — — — —
J: ● — — —	2: ●● — — —
K: — ● —	3: ●●● — —
L: ● — ●●	4: ●●●● —
M: — —	5: ●●●●●
N: — ●	6: — ●●●●
O: — — —	7: — — ●●●
P: ● — — ●	8: — — — ●●
Q: — — ● —	9: — — — — ●
R: ● — ●	0: — — — — —

Punctuation and Procedural Signs

/ (slash): — ●● — ●
, (comma): — — ●● — —
. (period): ● — ● — ● —
? (question mark): ●● — — ●●
BT (pause): — ●●● —
AR (end of message): ● — ● — ●
SK (end of contact): ●●● — ● —

Do I Need To Know Morse Code?

You do not need to know Morse Code for any ham license. The three classes of licenses are Technician, General, & Extra. You must pass a multiple choice exam in order to gain your license. The higher the class of license, the more operating privileges you gain. Many people stop at the first license, and that's okay, too. People of all ages have passed the test, from 8 years old on up.

What Is Explorer Post 599?

Exploring is a division of the Boy Scouts of America serving teen boys and girls between the ages of 14 and 21 years old. Each Explorer Post centers its activities around a specialty, usually a career oriented program.

Explorer Post 599 is the Phoenix-area's Ham Radio specialty post. All of our activities center around Ham Radio or high technology education. We meet weekly in a workshop-type meeting, working on projects or learning about an aspect of radio communications. We hold monthly business meetings with a program of interest to the members.

Post 599 has a dedicated group of adults who serve as mentors to the youth members. The adults really enjoy working with the youth, and believe that young people really need Ham Radio. The adults include radio engineers, computer engineers, technicians, and non-technical people, all licensed Ham operators.

Although Exploring is for 14 to 20-year-olds, youth younger than 14 years old are welcomed as associate members and can participate in all activities.

In addition to the weekly meetings, the Post holds at least monthly regular activities, including camping, tours, special training classes, demonstrations of Ham Radio, and providing communications for public service events. All youth and adult members are encouraged to participate in all events.

Explorer Post 599 will form subgroups in various areas of the Phoenix metro area if interest is present. We'll do what it takes to bring Ham Radio to Arizona's youth.

For More Information

Contact American Radio Relay League
The National Organization of Amateur Radio
www.arrl.org

Contact Explorer Post 599

Advisor: Tom Sharp WA9OXY (602) 569-6512
Assoc. Advisor: Scott Cowling WA2DFI (480) 929-9529
Committee Chair: Steve Kafka WB7QGJ (480) 895-6201

Look for us:

On-the-air on these Phoenix Repeaters: Just Call "W7BSA"
147.02+(162.2) 146.66-(162.2) 448.80-(100)
www.post599.org

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Ham Radio

A hobby for everyone
A hobby for life
A hobby that serves

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Amateur Radio Privileges
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Phonetics
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The Morse Code
What is Explorer Post 599?



EXPLORER POST 599

AMATEUR RADIO CLUB

The Ham Radio Club For Teens

EXPLORER POST 599

What Is Amateur Radio?

Amateur Radio is a radio service authorized by the US Federal Communications Commission (FCC) and other similar agencies in other countries. Amateur Radio is also known as Ham Radio.

To operate a Ham Radio, you have to be licensed by the FCC. To get your first license, you must pass a 35 question test (getting 26 right). This test has multiple choice answers and all allowable questions are published so you can study them. There are excellent study books available that teach you every thing you need to know, plus internet-based practice tests to build your proficiency. Many Ham Radio clubs have classes or study groups to help you pass.

Ham Radio is used to talk with other Hams across the nation and around the world. But it is so much more than just talking. Here are just a few of the many aspects of Ham Radio:

- Experimentation with electronics
- Connect computer together with radio
- Talk to astronauts in the Space Station
- Send and Receive Television Video and Pictures
- Track each other using GPS Receivers
- Communicate using morse code
- Make local telephone calls using radio
- Provide disaster communications
- Send weather balloons into the upper atmosphere
- Use ham radio satellites
- Use mobile, hand-held, and base station radios
- Talk with your friends who are hams
- Keep track of your ham family members
- Meet new friends on-the-air
- Field day operations
- Plenty of contests
- Call for help almost anywhere
- Build radios, antennas, and accessories
- See how many different people you can talk to

Ham Radio is more than a telephone, a CB, or FRS radio. It is fun, getting involved in any aspect that interests you. You can use Ham Radio anywhere, while traveling, camping, driving around town, anytime, any place. Ham Radio builds skills, not only in electronics, but also talking with others, helping others, learning geography, science, math, or whatever direction you take it in. For many, becoming Hams at a young age influenced them to become engineers and scientists.

Amateur Radio Privileges

When you pass your Ham Radio test and receive your license, the FCC gives you the authority to operate radios in certain frequency bands. Shortwave bands allow you to talk around the world. VHF/UHF bands allow line of sight range, which is extended to statewide/region-wide/worldwide through repeaters linked together by radio and the Internet. Hams are experimenting with Microwave bands, seeing how these new frequencies act, how far can contacts be made, and what types of uses can be made of them, such as computer linking, spread-spectrum, and satellite communications.

The Ham Radio Frequencies

Shortwave Bands

160 Meters	1.8-2.0 MHz
80 Meters	3.5-4.0 MHz
40 Meters	7.0-7.3 MHz
30 Meters	10.1-10.15 MHz
20 Meters	14.0-14.35 MHz
17 Meters	18.068-18.168 MHz
15 Meters	21.0-21.45 MHz
12 Meters	24.89-24.99 MHz
10 Meters	28-29.7 MHz

VHF Bands

6 Meters	50-54 MHz
2 Meters	144-148 MHz
1.25 Meters	222-225 MHz

UHF Bands

70 Centimeters	420-450 MHz
33 Centimeters	902-928 MHz

Microwave Bands

23 Centimeters	1240-1300 MHz
	2300-2310 MHz
	2390-2450 MHz
	3300-3500 MHz
	5650-5925 MHz
	10.00-10.50 GHz
	24.0-24.25 GHz
	47.0-47.2 GHz
	75.5-81.0 GHz
	119.98-120.02 GHz
	142.0-149.0 GHz
	241.0-250.0 GHz
	All above 300 GHz

Look at all those frequencies! Compare it with the 40 channels at 27-MHz in Citizens Band (CB), or the 14 channels in the 460-MHz Family Radio Service (FRS) band

A Special Language

As in any specialty, Hams have their own special lingo. These abbreviations are especially useful in Morse Code to reduce the number of letters that need to be sent.

Q-Signals

QRM	Man made interference
QRN	Natural interference (Static)
QRP	Low power
QRZ	Who is calling me?
QSB	Your signals are fading.
QSL	Acknowledge receipt, "Okay", or a contact card
QTH	Location
73	Best wishes
88	Hugs and kisses (just for fun)
YL	Young Lady (any female operator)
OM	Old Man (any male operator)

Amateur Radio Phonetics

Phonetics allow spelling a word or a callsign with words starting in the letter. It prevents confusion when letters sound similar, like "F," "S," and "X." For example: "My name is Bill, spelled **Bravo India Lima Lima**"

A LPHA	J ULIETT	S IERRA
B RAVO	K ILO	T ANGO
C HARLIE	L IMA	U NIFORM
D ELTA	M IKE	V ICTOR
E CHO	N OVEMBER	W HISKEY
F OXTROT	O SCAR	X -RAY
G OLF	P APA	Y ANKEE
H OTEL	Q UEBEC	Z ULU
I NDLA	R OMEO	

R-R-T Characteristics	Readability R	Strength S	Tone T (Hz)
1	Unreadable	Faint signals, barely perceptible	Distorted or irregular, very rough and broad
2	Barely readable, occasional words distinguishable	Very weak signals	Very rough and irregular
3	Readable with considerable difficulty	Weak signals	Rough or irregular, filtered out of band
4	Readable with difficulty	Fair signals	Rough copy, some trace of filtering
5	Partly readable	Fairly good signals	Filtered copies and distortion noticeable
6	R/A	Good signals	Filtered copy, definite trace of ripple modulation
7	R/A	Moderately strong signals	Mostly pure tone, trace of ripple modulation
8	R/A	Strong signals	Near perfect tone, slight trace of modulation
9	R/A	Extremely strong signals	Perfect tone, no trace of ripple or modulation of any kind