

SCOTTSDALE SPRINGFEST

SPONSORED BY
THE SCOTTSDALE AMATEUR RADIO CLUB

Saturday, March 18th, 2023

In the Fender Musical Instrument Parking Lot.

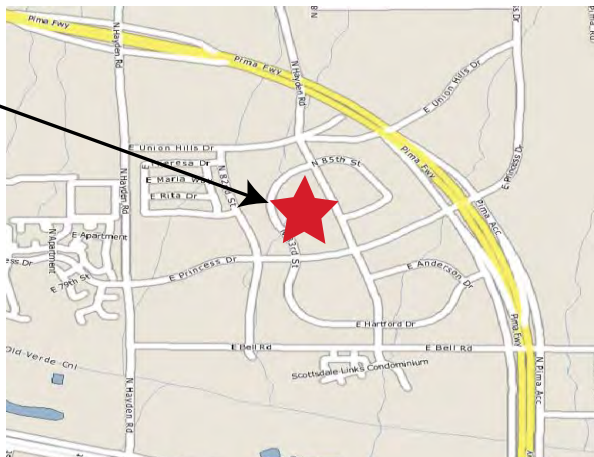


- Open to Vendors at 6am
- Open to the Public at 7am
- Vendors \$20.00/2 parking spaces
- General Admission \$5.00/person
- Raffle Prizes and hourly drawings
- Refreshments and snacks available
- ARRL & ARCA Sanctioned Event
- 1ST Prize – Yaesu FT710 HF
- 2nd Prize – Yaesu FTM300 Mobile
- 3rd Prize - Yaesu FT70 Fusion HT



Location:	17705 North Pacesetter Way, Scottsdale, AZ
Vendors:	17700 North Perimeter Drive
For more information:	www.scottsdalearc.org Facebook: Scottsdale Amateur Radio Club https://www.facebook.com/ScottsdaleARC/
Talk-in	147.180+ MHz pl162.2hz / 440.000+ MHz pl100hz / 443.575+ MHz pl100Hz South Mountain
Questions:	James Wasson - Bill Kouchis – Hamfest@scottsdalearc.org

Springfest here





RST

Radio
Society of Tucson

TUCSON SPRING HAMFEST

Saturday March 25th 2023

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 and Pack 705

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.org

Raffle Prizes

Yaesu FT-991A HF/VHF/UHF Transceiver

Rest of Prizes are TBD

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



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



April Hamfest at DeVry

April 8, 2023

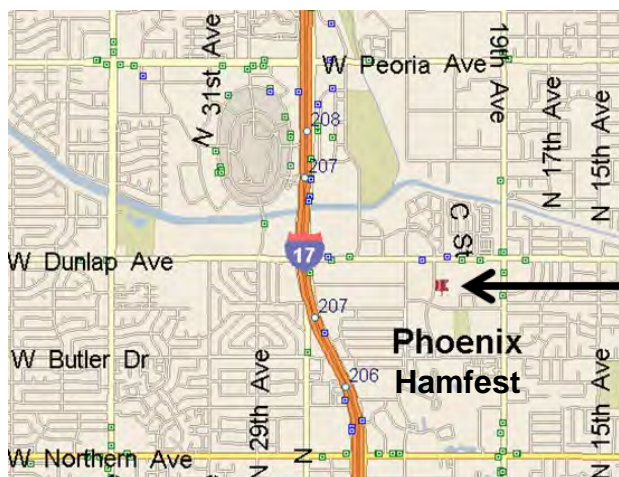
DeVry University - South Parking Lot
2149 W Dunlap Ave.
Phoenix, AZ

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

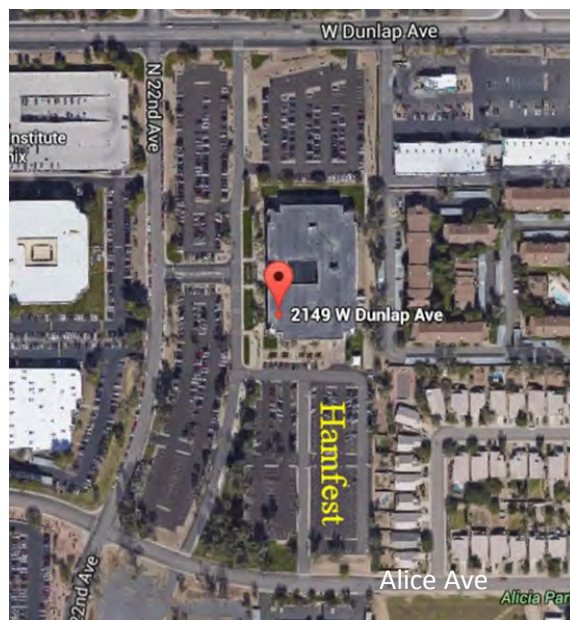
VE Testing – 9:00 AM
DX QSL Card Checking - 9 to 10 AM
Prizes - Coffee - Doughnuts – Sodas
Meetings: ARCA, Repeater Owners



Prize Tickets: 1 for \$5, 3 for \$10, 8 for \$20
Main 1st: TBD
Prizes 2nd: TBD
3rd: \$100 Gift Certificate at HRO



Dunlap Road Possible Construction
Use Alice Ave from 19th Ave.



Google Earth View

Talk-In on 147.280 (+) PL 162.2 Hz

For more information or to Reserve a Space
Contact Gary Hamman at k7gh@arrl.net or 480 216-2665

SELL - TRADE

BROWSE - BUY

SPEND THE DAY WITH FRIENDS



Dear Amateur Radio & DX Enthusiast,

Do you want to meet and mingle with all your DX friends? Are you saving money for yet another tower, rig or amp? Would you like to talk with some of the top Vendors in ham radio? Then Join us next year for a fun event: The 74th International DX Convention in Visalia, CA., April 21-23, 2023.

IDXC 2023 – co-sponsored by the Northern California DX Club (NCDXC) and the Central Arizona DX Association (CADXA) will be held at the beautiful Visalia Convention Center in downtown Visalia, CA. IDXC is the premier DX Convention in the United States, and is attended by hundreds of serious DXers and Contesters looking to improve their skills, upgrade their stations and spend some quality hands-on time with the vendors' latest equipment offerings. If you're interested in getting involved in DXing, this a great place to start!

Convention Highlights:

- A full 2.5 Day program: Friday (April 21); Saturday (April 22); 1/2 day Sunday (April 23)
- 15-20 DX & Technical Seminars on both Friday & Saturday
- Excellent Keynote Speakers
- 35-40 Exhibitors in large Exhibit Hall offering all the latest gear Friday and Saturday
- ARRL QSL Card Checking
- Great Raffle Prizes from ICOM, Yaesu, Elecraft, and others
- Special Sessions: Contest Forum; DX Forum; ARRL Forum; YL Forum
- Optional training on Friday: DX University and Contest Academy
- Eyeball QSOs with your DXing friends, or make some new ones!
- Optional Saturday Visalia Tour (for your non-ham guests)
- **IDXC Registration is now open and Hotel rooms are available!**
- **For more information and to register, visit our website at: dxconvention.com**

IDXC 2023 will be the biggest and the best International DX Convention yet, and we hope you'll be able to join us to enjoy it all!

73,

Clay Cougar - N5YJZ
Ned Stearns - AA7A
Paul Ewing - N6PSE
IDXC 2023 Co-Chairs

info@dxconvention.com



2023 Prescott Hamfest

May 13, 2023



Granville Elementary School

5250 Stover Drive, Prescott Valley, AZ 86314

Saturday May 13 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 WWW.PRESCOTTHAMFEST.ORG DUE TO LIMITED SPACE - RVs, CAMPERS, AND TRAILERS WILL NOT BE PERMITTED.

Featuring:

- | | |
|------------------------|--------------------------------------|
| ✓ Tail Gate Swapfest | ✓ Grand Prize/ Hourly Prize Drawings |
| ✓ Consignment Sales | ✓ ARRL Booth/ QSL Card Checking |
| ✓ Youth Products Table | ✓ 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

An ARRL sanctioned and ARCA co-sponsored Event



Grand Prizes

YAESU FT-991A HF/VHF/UHF Multi-mode Transceiver
Comet CA-500 Mark III Antenna Analyzer donated by The DX Store & Comet Antennas

Four YAESU FT-4XR Dual Band Handhelds (separate prizes)
Tickets \$1 each or 6 for \$5 – No need to be present to win Grand Prizes



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

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

Contact: Hamfest Co-Chair Person – John Snedden KT7P (hamfest@w7yrc.org)

The Antenna Summit

Sponsored by NADXA



HAM Radio Board of Education
NEVER STOP LEARNING



THE ARRL

ANTENNA BOOK

Presentations on Saturdays

10:00 – Noon MST on **Zoom**

<https://nau.zoom.us/j/84266150924>

Join us for an opportunity to learn
more about antennas.

We could use more presenters!

Contact Mike, AG7XQ if you
would like to share your knowledge.

928-606-4437

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.

EXPLORER POST 599

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

Contents:

What Is Amateur Radio?

Amateur Radio Privileges

A Special Language:

Q-Signals

Phonetics

Signal Reports

The Morse Code

What is Explorer Post 599?



The Ham Radio Club For Teens

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 NDIA	R OMEO	

Ham Radio - RST Signal Reports			
R-R-T Characteristics	Readability R	Strength S	Tone T (aw)
1	Unreadable	Faint signals, barely perceptible	Strong code and letters, very rough and broad
2	Barely readable, occasional words distinguishable	Very weak signals	Very rough and broad
3	Readable with considerable difficulty	Weak signals	Rough signals, not too clear
4	Readable with practically no difficulty	Fair signals	Rough copy, some loss of timing
5	Perfectly readable	Fairly good signals	Filtered readings and strongly regulated
6	N/A	Good signals	Filtered tone, definite trace of ripple modulation
7	N/A	Moderately strong signals	Clear tone, some trace of ripple modulation
8	N/A	Strong signals	Clear perfect tone, slight trace of modulation
9	N/A	Extremely strong signals	Perfect tone, no trace of ripple or modulation of any kind