West Valley Amateur Radio Club

2026 SwapFest-Tailgate

Saturday
February 7
6 AM-Noon

Only $10/space
For Sellers, and
Buyers are
Free!!

Clean out your Shack
And bring your Ham Gear
& Electronics to sell.
Vendors are Welcome!

Lord of Life Lutheran Church
13724 W. Meeker Blvd.
Sun City West, AZ 85375

Contact:
Rolf, KG0KM, at:
bignorsk@hotmail.com
715-828-8860

2026 Southwestern Division Convention

Yuma Hamfest

Yuma, Arizona

Feb. 27th & 28th, 2026

Yuma County Fairgrounds
2520 East 32nd Street, Yuma, Arizona

www.yumahamfest.com

Thursday	***Friday***	***Saturday***
Early Camping Setup 2pm - 6pm	*Vendor/Tailgate Setup* 7am - Noon *Event* Noon - 5pm	*Event* 8am - 5pm *BBQ Dinner* 6pm - 8pm *Grand Prize Drawing* After BBQ Dinner

Check the Website for Additional Information

- **Vendors & Exhibitors ~ Tailgating (Swap Meet)**
- **Full Seminar Schedule ~ License Testing**
- **DXCC Card Checking ~ $15,000+ in Grand Prizes**
- **Hourly Door Prizes ~ Admission Prizes**
- **RV Camping ~ Emergency Preparedness**
- **Hamfest Dinner ~ Hospitality Area**
- **ARRL Speakers ~ Near Space Balloon Launch**
- **Transmitter Hunt Antenna Clinic & T-hunt**
- **Admission $15.00**

Email Contact: ***info@yumahamfest.org***

ARCA

GREEN VALLEY Amateur Radio Club

7am SETUP

GATES OPEN AT 8am

FREE ADMISSION

REFRESHMENTS

TALK IN FREQ. 146.620

HANDICAP ACCESS

TAILGATING

HAMFEST

At Valley Presbyterian Church 2800 Camino Del Sol, Green Valley, AZ. March 7th, 2026 from 8am - Noon.

$5 table setup with fee going to the Valley Presbyterian Church.

Bring your own table, chairs & canopy.

www.gvarc.us

SCOTTSDALE SPRINGFEST

SPONSORED BY
THE SCOTTSDALE AMATEUR RADIO CLUB

New Location for 2026

Saturday, March 14th, 2026

Awesome New Location in North Scottsdale at the Highlands Church at 9050 E. Pinnacle Peak Rd. Just ¼ Mile East of Pima Rd.

Website Flyer

- **Open for Vendors at 6am**
- **Open to the Public at 7am**
- **Vendor Admission $20 for 2 spaces.**
- **General Admission $5/person**
- **Grand Prize – Yaesu FT-710 AESS HF Radio**
- **2nd Prize – FTM-510DR C4FM Dual Band Mobile**
- **3rd Prize – FT-70DR**
- **ARCA and ARRL Sanctioned Event**

Get your raffle tickets in ADVANCE of the event.

It is very EASY!

Buy Raffle Tickets

Buyers Use the East Entrance (Green)
Vendors Use West Entrance (Red)

ScottsdaleARC.org

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

Phoenix Spring Hamfest

& Electronics Swap

NEW LOCATION!! (formerly known as DeVry Hamfest)

April 4, 2026

ALHAMBRA High School Parking Lot
3839 W Camelback Rd, Phoenix, AZ

SELL - TRADE

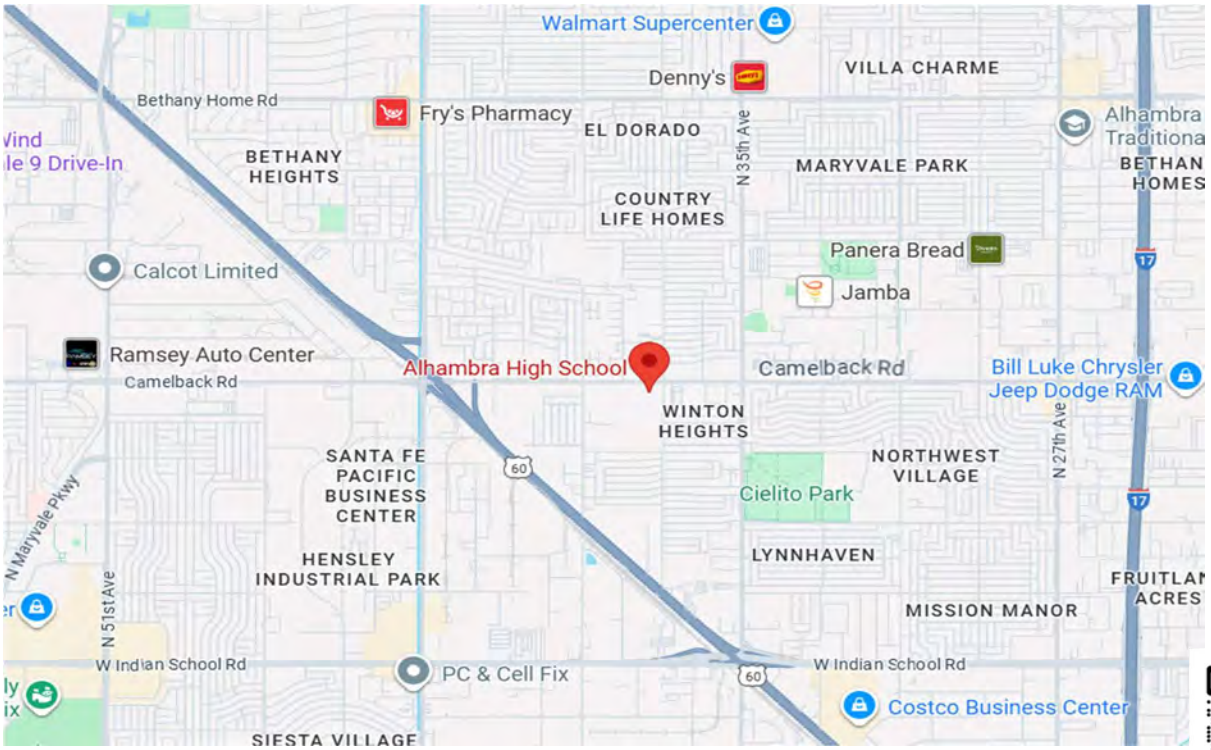
SPEND THE DAY WITH FRIENDS

BROWSE - BUY

Hours: 7:00 AM to 11:00 AM
Admission Donation—$5.00
Tailgate Spaces—$10.00 each
Tailgate Setup 6:00 AM

Commercial Vendors & Tailgaters
Prizes, Drinks, Refreshments
VE Testing – 9:00 AM
Presentations!

Raffle Tickets: 1 for $5, 3 for $10, 8 for $20
1st Prize: Yaesu 991A
2nd Prize: Anytone AT-D578UV Plus Mobile Transceiver
3rd Prize: To Be Determined



Go to k7arc.org for more information

Rev: 1/07/2026

2026 Prescott Hamfest
May 30, 2026

The DX Store
www.dxstore.com

Humboldt Unified School District Office
6901 East Panther Path, Prescott Valley, AZ 86314

Call-In Station: K7MRG 147.000 MHz + 600 KHz with PL of 162.2 Hz. Also simplex: 146.580 MHz

Saturday May 30 Schedule
- 0730 Hamfest opens
- 0800 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 CLEARANCE - RVs, CAMPERS, AND TRAILERS WILL NOT BE PERMITTED.

Featuring:
- ✓ Tail Gate Swapfest
- ✓ Consignment Sales
- ✓ VE License Exams – 9am
- ✓ Youth Club
- ✓ Grand Prize / Hourly Prize Drawings
- ✓ ARRL Booth / QSL Card Checking
- ✓ Coffee and Donuts

General Admission $5.00 per person
Swapfest - Mostly Covered Parking Lot Spaces $10.00 each - max 5 spaces
Full-Time Students FREE with Student ID / 16 Years and Younger FREE

An ARRL sanctioned and ARCA co-sponsored event

Grand Prizes

YAESU FTDX10 HF/6M Hybrid SDR CW/SSB/DATA

Kenwood TH-D75A VHF/UHF/220 Digital HT

Comet CAA-500 Mark II Antenna Analyzer – 500 MHz
Donated by: The DX Store & Comet Antennas

Raffle 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 WD7J (hamfest@w7yrc.org)

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

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-arrl.org/web/AzPlate.htm

MCC Electronics

High Tech. Hands On.

Since 1965

Want to *really* learn RF ?
Become an Amateur Extra ?

MCC Can help! We are proud to announce that the lab course in Analog RF Communications, **ELE261 – Communication Systems** now focuses on the amateur radio community. The class is taught by amateur extra Mike Childers K7URK, so you know it will be fun and "hands on" –- not like the old boring lecture-only college courses you may remember.

We will have access to MCC's new Ham Shack for use during the course. And feel free to take advantage of this station outside of class with our club. Serious DX-ing awaits!

This lab class includes lecture instruction and hands-on lab bench experiments. During the semester, you will build a working AM/FM radio and use our lab instrumentation and test equipment to troubleshoot and align each stage during construction. We will cover the theory of operation of each stage as we proceed with construction. You'll need a basic knowledge of:

- ✔ Common components, including op-amps & bipolar transistors
- ✔ Basic familiarity with digital multi-meters and oscilloscopes
- ✔ Ability to read/draw basic schematic diagrams & block diagrams
- ✔ Basic thru-hole PC Board soldering skills
- ✔ Basic math skills in high-school level algebra

If you haven't had any coursework in the above topics, you can still take the class with equivalent skills and experience. Here's the general class outline (coverage can vary based on the needs of the group):

I. Introductory Topics
- A. Noise
- B. Noise measurement
- C. Information & BW

II. AM-Transmission
- A. Amplitude modulation
- B. AM analysis
- C. AM generation circuits
- D. AM transmitter systems

III. AM-Reception
- A. Receiver characteristics
- B. AM detection
- C. Superhet receivers
- D. Automatic gain control
- E. AM receiver systems

IV. FM-Transmission
- A. Angle modulation
- B. FM Analysis
- C. Noise suppression
- D. Direct and indirect FM
- E. PLL FM transmitter
- F. Stereo FM
- G. FM transmissions

V. FM-Reception
- A. Block diagram
- B. RF amplifiers
- C. Limiters
- D. Discriminators
- E. PLL receivers
- F. Stereo demodulation
- G. FM receivers

VI. Digital Comm.
- A. Coding
- B. Pulse modulation
- C. Pulse-code modulation
- D. Radio telemetry

VII. Transmission Lines
- A. Types
- B. Propagation down a line
- C. Non-resonant / resonant
- D. Standing wave ratio
- E. Applications

The course meets two nights each week, Mondays and Wednesdays, at 6:30 pm on the MCC campus. Sign up here:

https://www.mesacc.edu/enroll

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

Ham Radio

A hobby for everyone

A hobby for life

A hobby that serves

Contents:

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 **B**ravo **I**ndia **L**ima **L**ima"

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-S-T Characteristics	Readability R	Strength S	Tone T (cw)
1	Unreadable	Faint signals, barely perceptible	Sixty cycle a.c. or less, very rough and broad
2	Barely readable, occasional words distinguishable	Very weak signals	Very rough a.c., very harsh and broad
3	Readable with considerable difficulty	Weak signals	Rough a.c. tone, rectified but not filtered
4	Readable with practically no difficulty	Fair signals	Rough note, some trace of filtering
5	Perfectly readable	Fairly good signals	Filtered rectifier a.c. but strongly ripple-modulated
6	N/A	Good signals	Filtered tone, definite trace of ripple modulation
7	N/A	Moderately strong signals	Near pure tone, trace of ripple modulation
8	N/A	Strong signals	Near perfect tone, slight trace of modulation
9	N/A	Extremely strong signals	Perfect tone, no trace of ripple or modulation of any kind