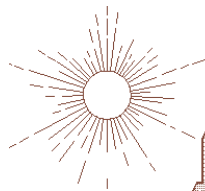


**ADAW**

10498 Monserrate St  
Elk Grove, CA 95757-1765



**ADAW**

**Arizona Desert Aire Waves**

**Vol 47 No 11 November 2022**

**CLUB MEETING SCHEDULE**

**SARC**

Nov 2nd - 7:00 PM  
via Zoom

**AARC**

Nov 10th - 7:00 PM  
American Red Cross/Echolink

**AzRCCC**

Nov 8th - 7:00 PM  
American Red Cross/MS Teams

**AMO**

Nov 10th - 7:00 PM  
Charles K Luster Bldg

**SuperstitionARC**

Nov 15th - 7:00 PM  
Charles K Luster Bldg-Mesa

**CHRC**

Nov 12th - 9:00 AM  
Tri-City Baptist Church

**ANSR**

Nov 17th - 7:30 PM  
via GoToMeeting

**KARC**

Nov 8th - 6:30 PM  
New Hope Christian Fellowship

**OVARC**

Nov 18th - 7:00 PM  
Mountain View Baptist Church

**SunLifeARC**

Every Monday - 10:00 AM  
Via Zoom

**YARC**

Nov 3rd - 7:00 PM  
Prescott Rodeo Grounds

**TBARC**

Nov 17th - 6:30 PM  
Arizona Christian University

**ATN (VOAR)**

Postponed  
[www.whereby.com/atn1](http://www.whereby.com/atn1)

**QCWA-AZ Chapter**

TBD  
Various

**CADXA**

Nov 3rd - 7:00 PM  
Bethany Lutheran Church

**ARA**

Nov 21st - 7:30 PM  
Denny's - Tempe & Zoom

**CARL**

TBD  
Check Web Site

**MMRG**

See Web Site

**MARCA**

Nov 15th - 6:30 PM  
Denny's - Tempe & Zoom

**MARA**

Nov 5th - 9:00 AM  
Maricopa Public Library

**WVARC**

Nov 7th - 7:00 PM  
Shepherd of the Desert Lutheran Church/Zoom

# ADAW Member Clubs

## ARIZONA AMATEUR RADIO CLUB

The Arizona Amateur Radio Club meets on the **SECOND THURSDAY** of each month at 7:00 p.m. at the American Red Cross Building at 4747 N 22nd St. in Phoenix. Visit web site at [www.W7IO.org](http://www.W7IO.org) for map. Visitors are welcome.

President	Gary Hamman	K7GH	602.996.8148
Vice President	Steve Tolnai	W7WSV	480.390.4446
Secretary	Randy Gault	KJ7RCN	
Treasurer	Bob Hodges	K7JJT	602.375.9982
Activities Mgr	Lori Cripps	WA7EDI	602.955.7517
Membership	Bob Hodges	K7JJT	602.375.9982

*AARC c/o Bob Hodges, K7JJT, 15214 N 7th Place, Phoenix, AZ 85022. DUES: \$15.00/YR, Prorated (\$18.00 Family, \$9.00 Student), MEMBERSHIP YEAR BEGINS FEB. 1.*

## SCOTTSDALE AMATEUR RADIO CLUB, INC.

The Scottsdale Amateur Radio Club meets the **FIRST WEDNESDAY** of each month at 7:00 p.m. in Room 8 at the new Scottsdale Senior Center located at 1700 N Granite Reef Road (west side of Granite Reef Rd., 50 yards north of McDowell Rd. Parking on site) in Scottsdale. The club also holds a net every Tuesday night at 7:00 p.m. on the 147.78/.18 repeater.

President	James Wasson	N7ELL	<a href="mailto:n7ell@scottsdalearc.org">n7ell@scottsdalearc.org</a>
Vice President	David Yee	N7AJR	<a href="mailto:n7ajr@scottsdalearc.org">n7ajr@scottsdalearc.org</a>
Secretary	Bruce Harmsen	KA9EYX	<a href="mailto:ka9eyx@scottsdalearc.org">ka9eyx@scottsdalearc.org</a>
Treasurer	Douglas Mitchell	W7ADD	<a href="mailto:w7add@scottsdalearc.org">w7add@scottsdalearc.org</a>
Past President	Paul Finell	W7EFQ	<a href="mailto:w7efq@scottsdalearc.org">w7efq@scottsdalearc.org</a>
Board Members	Jim Dye	AG7AU	
At-Large	Scott Gillins	W2KP	
	Bill Kouchis	N9EIV	
	Ed Nickerson	WU7S	

*SARC, P. O. Box 10878, Scottsdale, AZ 85271-0878. Phone: 602.735.3988. DUES: \$20.00/YR, (\$10.00/Add'l Family Member). Web Site: [www.scottsdalearc.org](http://www.scottsdalearc.org)*

## ARIZONA NEAR SPACE RESEARCH

The Arizona Near Space Research group meets the **THIRD THURSDAY** of the month at 7:30 p.m. via GoToMeeting. Technical meetings are held the first Monday of the month at 7:30 p.m. on GoToMeeting. Please contact an officer about joining our meetings.

President	Stephen Thomas	KE7TLS	<a href="mailto:iangadget1@yahoo.com">iangadget1@yahoo.com</a>
Vice President	Clayton Jacobs	KJ6QJS	
Secretary	Steve Miller	W6SDM	
Treasurer	Bill McLean	K7WWM	<a href="mailto:bmclean@gmail.com">bmclean@gmail.com</a>

*ANSR, PO Box 31003, Mesa, AZ 85275-1003. DUES: \$10.00/YR. Web Site: [www.ansr.org](http://www.ansr.org)*

**Please be sure your club has your current email and/or mailing address.**

## THUNDERBIRD AMATEUR RADIO CLUB

The Thunderbird Amateur Radio Club meets the **THIRD THURSDAY** of each month at 7:00 p.m. at Arizona Christian University, 59th Avenue and Greenway Road in Glendale. Meeting is in building 3600, Auditorium #1. See the website (<http://w7tbc.org>) for a map and more details.

President	Charles Loftus	KG7KRN	<a href="mailto:president@w7tbc.org">president@w7tbc.org</a>
Vice President	Rick Tejera	K7TEJ	<a href="mailto:vicepresident@w7tbc.org">vicepresident@w7tbc.org</a>
Secretary	Andrew Cornwall	KF7CCC	<a href="mailto:secretary@w7tbc.org">secretary@w7tbc.org</a>
Treasurer	Jeff Rogers	KD7PYE	<a href="mailto:treasurer@w7tbc.org">treasurer@w7tbc.org</a>
Directors	Robert Lutes	N7NO	<a href="mailto:n7no@w7tbc.org">n7no@w7tbc.org</a>
	Paul Veltman	WA6OKQ	<a href="mailto:wa6okq@w7tbc.org">wa6okq@w7tbc.org</a>
	Chuck Erickson	K7CAE	<a href="mailto:k7cae@w7tbc.org">k7cae@w7tbc.org</a>
	Robert Fairfield	K7RQN	<a href="mailto:k7rqn@w7tbc.org">k7rqn@w7tbc.org</a>
Past President	Brian McCarthy	AK7F	<a href="mailto:ak7f@w7tbc.org">ak7f@w7tbc.org</a>
Station Trustee	Gary Duffield	WK7B	<a href="mailto:wk7b@w7tbc.org">wk7b@w7tbc.org</a>

*For further information about the ThunderBird Amateur Radio Club, visit our website at <http://w7tbc.org>, send an e-mail to: [info@w7tbc.org](mailto:info@w7tbc.org) or call 602.938.8219. The Thunderbird Amateur Radio Club is a 501(c)(3) non-profit organization. Mailing address: PO Box 11394, Phoenix, AZ 85318-1394.*

## AZ RED CROSS COMMUNICATIONS CLUB

The Arizona Red Cross Communications Club meets the **SECOND TUESDAY** of each month at 7:00 PM at the Red Cross Building located at 4747 N 22nd Street in Phoenix. The group meets at emergency drills and at the call of the officers.

President	Charlie Zurenko	N2TFS	
Vice President	Mark Steele	KI7RB	
Secretary	Saroj Gilbert	KM6BQD	
Treasurer	Doug Bessemer	K0VPL	
Past President	Peter Petrotta	KD7OIW	

*Arizona Red Cross Communications Club - K7ARC, 4747 N 22nd Street, Phoenix, AZ 85016. Web Site: [K7ARC.org](http://K7ARC.org) Email: [info@k7arc.org](mailto:info@k7arc.org)*

## MARICOPA AMATEUR RADIO ASSOCIATION

The Maricopa Amateur Radio Association (MARA) meets the **FIRST SATURDAY** of each month at 9:00 a.m. at the Maricopa Public Library - Redwood Room, 18160 N Maya Angelou Drive in Maricopa.

President	Bob Howard	W8RH	<a href="mailto:president@copahams.org">president@copahams.org</a>
Vice President	Scott Bushman	WI7Y	<a href="mailto:vicepresident@copahams.org">vicepresident@copahams.org</a>
Secretary	Bob Proctor	N6YPE	<a href="mailto:secretary@copahams.org">secretary@copahams.org</a>
Treasurer	George Hogan	K7TGH	<a href="mailto:treasurer@copahams.org">treasurer@copahams.org</a>
PIO:	Steve Miller	W6SDM	<a href="mailto:pio@copahams.org">pio@copahams.org</a>
Webmaster:	Louis Sandoval	W8LES	<a href="mailto:w8les@copahams.org">w8les@copahams.org</a>

*The Maricopa Amateur Radio Association is a 501(c)(3) non-profit organization. DUES: \$25.00/year individual, \$30.00/year family. Apply on-line at [www.copahams.org](http://www.copahams.org). Mailing address: P O Box 951, Maricopa, AZ 85139*



## ADAW Member Clubs

### BARRY M GOLDWATER, ARIZONA CHAPTER QUARTER CENTURY WIRELESS ASSOCIATION

The Barry M Goldwater Arizona Chapter of the QCWA includes amateurs from all over Arizona who have been licensed for 25 or more years. Meetings are currently held in Phoenix, Prescott, and Tucson. The Arizona Chapter meets on the air every Sunday morning. Please check the website <http://www.azqcwa.org/> for the time and frequency.

President	Tom Fagan	K7DF	president@azqcwa.org
Vice President	Open		
Secretary	Carl Foster	KB7AZ	secretary@azqcwa.org
Treasurer	Carl Foster	KB7AZ	treasurer@azqcwa.org

Web Site: <http://www.azqcwa.org> Email: [info@gmail.com](mailto:info@gmail.com)  
 DUES: \$7.00/year and current national QCWA membership.

### MINGUS MOUNTAIN REPEATER GROUP

Meetings are held twice a year, an annual board meeting in Phoenix and a picnic meeting in Chino Valley. Dates, times, and locations are announced in the newsletter.

President	Bob Sitterley	K7POF	928.636.2146
Vice President	Tom Griswold	WN7E	
Secretary	Lori Cripps	WA7EDI	602.955.7517
Treasurer	Bob Sitterley	K7POF	928.636.2146
Board Members:	Gary Hamman	K7GH	
	Butch Merrill	K7JOG	
	Jerry Roberts	K7BUD	
	Ken Rasback	KK7KEN	
	Tom Raczykowski	N7MMC	
	Sonja Hazlett	WB7CWW	

Web Site: <http://www.k7mrg.org> DUES: \$20.00 per year, due prior to July 1. MEMBERSHIP YEAR - July 1 - June 30.

### KACHINA AMATEUR RADIO CLUB

The Kachina Amateur Radio Club meets the **SECOND TUESDAY** of each month at 6:30 PM at New Hope Christian Fellowship, 989 Cheney Ranch Loop (US260 & Cheney Ranch) in Show Low.

President	Kevin Parmenter	KG5Q	480.748.8182
Vice President	Bill Turley	KJ7GYH	923.536.2293
Secretary	Marie Mortensen	N7SKS	928.358.8748
Treasurer	Dennis Wilkes	W7DRW	928.739.4700

Mailing Address: Kachina Amateur Radio Club, P O Box 2996, Show Low, AZ 85902. Email: [kachinainfo@drwilx.com](mailto:kachinainfo@drwilx.com) Testing Info: White Mountain V.E. Team: [VEtesting@cablone.net](mailto:VEtesting@cablone.net). Dues are \$15/yr for individual; \$25/yr for family. Membership is January 1 - December 31. Website: [www.kachinaarc.org](http://www.kachinaarc.org)

### ARIZONA REPEATER ASSOCIATION, INC

The Arizona Repeater Association general meeting is held the **FOURTH THURSDAY** of each month at 7:30 p.m. There are no meetings in July and December. The November meeting is held the Monday before Thanksgiving. Meetings are held at Denny's Restaurant, 1343 W Broadway in Tempe (Southeast corner of Priest Dr and Broadway Rd - <https://www.w7ara.org/mtg/Meetings.aspx>). Visitors are welcome. Come early for food and social time before the meeting starts. For further information about the ARA, including repeaters, site status, and the tech/board meeting, please visit our web site at [www.w7ara.org](http://www.w7ara.org).

President	Brian McCarthy, AK7F	ak7f@w7ara.net
Vice-President	Dennis Bietry, KE7EJF	ke7ejf@w7ara.net
Treasurer	Cole Cunningham, AA7RD	aa7rd@w7ara.net
Secretary	Jim Hoff, N7XXX	n7xxx@w7ara.net

#### Board Members:

Dennis Campbell, AE7WU	ae7wu@w7ara.net
Mike Montalvo, KF7MBK	kf7mbk@w7ara.net
Marty Dusenberry, KE7DGP	ke7dgp@w7ara.net
Lance Halle, KW7LH	kw7lh@w7ara.net
Joe Godfrey, AE7JG	ae7jg@w7ara.net
Joe Bakas, KE7WHE	ke7whe@w7ara.net
Patrick Baldwin KI4NSF	ki4nsf@w7ara.net
James Wasson, N7ELL	n7ell@w7ara.net

For Membership Information, contact (Joe Godfrey, AE7JG membership@w7ara.net) Arizona Repeater Association, Inc, P. O. Box 35758, Phoenix, Arizona 85069-5758. To join or renew, please visit <http://w7ara.org/mbr/Membership.aspx>. DUES: \$18.00/yr. (Jan. 1 through Dec. 31) with a one-time initiation fee of \$10.00. Life and family memberships are available.

### SUPERSTITION AMATEUR RADIO CLUB

The Superstition Amateur Radio Club meets the **THIRD TUESDAY** each month at 7:00 PM: January through November - Zoom and Charles K Luster Building, 640 N Mesa Drive, Mesa. **VISITORS** are Encouraged to attend. If you would like to attend one of our meetings via Zoom, please contact [president@superstitionarc.org](mailto:president@superstitionarc.org) at least 24 hours prior to the meeting for the Zoom link.

President	Steve Estes	KB7KWK	kb7kwk@superstitionarc.org
Vice President	Brian Betz	W7JET	w7jet@superstitionarc.org
Secretary	Scott Simeon	KI7KIM	ki7kim@superstitionarc.org
Treasurer	Bryan Hubbard	KF7DPC	kf7dpc@superstitionarc.org
Directors:	Brent Butler	W7FK	w7fk@superstitionarc.org
	Jeff Harris	K2DFE	k2dfe@superstitionarc.org
	Jeff Heinze	N7CCW	n7ccw@superstitionarc.org
	Dan Devlieger	KC7MSU	kc7msu@superstitionarc.org
	Bob Thomas	N8ANV	n8anv@superstitionarc.org
	Matt Churchill	K7YEG	k7yeg@superstitionarc.org
	Robert Fridell Jr	N3BZ	n3bz@superstitionarc.org

Superstition ARC, 5155 E Eagle Dr #21522, Mesa, AZ 85277.  
 Web Sites: [SuperstitionARC.org](http://SuperstitionARC.org) and [SuperstitionSuperFest.org](http://SuperstitionSuperFest.org).  
 For more information, send email to: [info@superstitionarc.org](mailto:info@superstitionarc.org).  
 The Superstition Amateur Radio Club, Inc. is a 501(c)(3) non-profit corporation.

# ADAW Member Clubs

## MARCA, Inc. / W7MOT

MARCA is an Arizona 501(c)(3) Non-Profit organization. The club call sign in W7MOT. Membership is open to all amateur radio enthusiasts. Meetings are held the **THIRD TUESDAY** of each month at 6:30 p.m. via Zoom - login info on W7MOT.org. Monthly presentations cover a broad spectrum of interesting subjects. Visitors are welcome to attend. Come early (6:00 p.m.) socializing. Repeater Problem Reports are encouraged. A Repeater Problem or Comment Reporting is available at <http://www.w7mot.org/index.php/repeaters/report-a-repeater-problem>. Site Managers and officers will take reports for any W7MOT repeater. Contacts are found on website. Club activities include providing voice, aprs, packet, DStar, and Fusion repeaters Central Arizona; ARRL Field Day, special interest groups in SDR, APRS, antennas, digital modes, and SBC applications.

President	Norm Johnson	AA7OO	480.278.2886
Vice President	Ray Vasquez	K4RMV	
Treasurer	Norm Johnson	AA7OO	480.278.2886
Secretary	Paul Bennett	KD7KDO	
Board Member	David Yee	N7AJR	
Trustee:	Norm Johnson	AA7OO	480.278.2886
Webmaster:	Norm Johnson	AA7OO	480.278.2886

MARCA, Inc., c/o Norm Johnson, 5756 S Wildrose, PO Box 85140, Mesa, Arizona 85212. Membership dues \$25 annually. See our website (<http://w7mot.org>) for more information about meeting schedules, membership, repeaters, library, and club activities.

## CENTRAL ARIZONA DX ASSOCIATION

We are finally back to in-person meetings! And we have a new location! The Central Arizona DX Association meets the **FIRST THURSDAY** each month at 7:00 p.m. at Bethany Lutheran Church, 4300 North 82nd Street in Scottsdale. and we'll try to also share the meeting on Zoom. Most months we have a pretty interesting program or presentation. Visitors always welcome. See [www.cadxa.org/meetings.html](http://www.cadxa.org/meetings.html) for mor information. Contact club president for zoom link.

President	Bill Poole	AA4Q	aa4q@arrl.net
Vice President	Virgil Silhanek	K7VZ	k7vz@arrl.net
Secretary	Eric Schecter	KC7ES	eschecter@gmail.com
Treasurer	Mike Wright	N7MW	n7mw@aol.com
Immed. Past Pres.	Larry Loen	WO7R	lwloen@gmail.com
Directors	Ron Smith	N7RD	
At-Large	John Jolly	N7NWL	wa7nwl@gmail.com

CADXA, P.O. Box 24616, Tempe, AZ 85285-4646. Email: [aa4q@arrl.net](mailto:aa4q@arrl.net). Dues are \$25 per year (\$12.50 per additional family member). For more information, DXing resources, and a membership application, visit our website: [www.cadxa.org](http://www.cadxa.org).

## YAVAPAI AMATEUR RADIO CLUB

The Yavapai Amateur Radio Club meets the **FIRST THURSDAY** of every month at 7:00 PM (currently our meetings are on ZOOM due to COVID) in the Freeman Building at the Prescott Rodeo Grounds located at 840 Rodeo Drive in Prescott (visit web site at [www.w7yrc.org](http://www.w7yrc.org) for directions and map). YARC is an ARRL Special Service Club dedicated to public service and emergency preparedness. The club serves the quad cities area of Prescott, Prescott Valley, Chino Valley/ Paulden, and Dewey/Humboldt.

President	John Snedden	KT7P	president@w7yrc.org
Vice-President	Mike Reid	WU7V	vice_president@w7yrc.org
Secretary	Tim Norton	K7PVY	secretary@w7yrc.org
Treasurer	Jane Lerette	K7ZHF	treasurer@w7yrc.org
Past President	Bill Noe	WG7W	
Board Members	Ron Levine		
	Jane Lerette	K7ZHF	
	Ray Kolman	KI7COM	spudsmn@gmail.com
	Mike Schnell	NC7X	ka9cid@gmail.com
	Bill Noe	WG7U	

Yavapai Amateur Radio Club, P O Box 11994, Prescott, AZ 86304-1994. DUES: \$20.00/yr. Visit the website at [www.w7yrc.org](http://www.w7yrc.org)

## ORO VALLEY AMATEUR RADIO CLUB

The Oro Valley Amateur Radio Club meets the **THIRD FRIDAY** of each month at 7:00 p.m. at The Mountain View Church, 3500 W Overton Road in Oro Valley. (Monthly meetings are live-streamed.) Visitors are welcome. Board Meetings are held at 7:00 p.m. via ZOOM. Check the web site at [www.tucsonhamradio.org](http://www.tucsonhamradio.org) for dates.

President	Steve Wood	W1SR	w1sr@arrl.net
Vice-President	David Beauchesne	AK2L	ak2l@arrl.net
Secretary	Logan Zintsmaster	KE7AZ	lrahnz@garlic.com
Treasurer	Gary Pierce	AE7GP	ae7gp1@gmail.com
Board Members	Fred Bresani	W2HZ	w2hz@verizon.net

DUES: \$25.00/year (Household members living at same address \$15.00 each additional). To join or for additional information, visit website at <http://www.tucsonhamradio.org/>.

## CHANDLER HAM RADIO CLUB

The Chandler HAM Radio Club (call sign N7CHN) meets the **SECOND SATURDAY** of each month at 9:00 AM at the Tri-City Baptist Church, Room 140, on the SW corner of Germann & Dobson Roads in Chandler. Our monthly club meetings are held in person. Visitors are welcome. Check the web site at [chandlerhams.org](http://chandlerhams.org) for dates and presentation topics of club meeting. Weekly net is held every Thursday at 8:00 PM on 443.050+ PL100.

President	Dave Hoffman	KJ4RS	pres@chandlerhams.org
Vice President	Debbi Smith	KJ7MIQ	vp@chandlerhams.org
Secretary	Mary Stephen	AE6Q	sec@chandlerhams.org
Treasurer	Byon Garrabrant	N6BG	treas@chandlerhams.org

Web Page: <http://chandlerhams.org>. DUES: \$25/year primary member; \$10/year family member.

# ADAW Member Clubs

## CENTER FOR AMATEUR RADIO LEARNING

The Center for Amateur Radio Learning is a hands-on amateur radio station, W7ASC, located within the Arizona Science Center at 600 E. Washington, Phoenix. Hours of operation are the same as the Arizona Science Center (subject to availability of volunteers.) The station is located on the third floor of the Science Center, in the "My Digital World" gallery. Board meetings are held the last month of each quarter at the AZ Science Center. An annual meeting for all volunteers is held the **THIRD SATURDAY** of January. Watch ADAW for details.

President	Jack Landon	KD7ROB	480.759.5195
Vice President	Jim Felkey	N7BBS	480.966.7084
Sec./Scheduling	Sam Marshall	N7INV	602.291.0992
Treasurer	Karen McConaghy	NO7D	602.799.7338
Station Engineer	Ron Taylor	WA7GIL	602.390.5335
Board Members:			
	Steve Warford, WB4ZSC	ADAW	
	Tom Salt AD7PM	At Large	
	John O'Neal K7JP	Teacher Packets	
	Bob Burleson KG7QJ	Trustee/President Emeritus	
	Robert Faerber W9AQ	Log Book	
	Scott Gillins W2KP	At Large	

Direct Phone: 602.716.2082      Web Site: <http://www.w7asc.org>  
 For information: Email to [carl@w7asc.org](mailto:carl@w7asc.org) or call Jack, KD7ROB at 480.759.5195.

## AMATEUR TELEVISION NETWORK

The Amateur Television Network (ATN) promotes video operation on linked repeaters and mesh networks. Business meetings are in January and July. Monthly social meetings are postponed due to the pandemic. Join us online at [www.whereby.com/atn1](http://www.whereby.com/atn1) on Sundays at 7:00 PM AZ time and Tuesdays at 8:30 PM AZ time for our ATV Nets. It's a lot of fun!

If you can, check in with RF on ATV, FM or DMR...

ATV Repeater Inputs: 434 MHz AM/DVB-T and 2441.5 MHz FM

ATV Repeater Outputs: Phoenix - 1253.25 and 5910 MHz,

Mesa - 421.25 and 1289.25 MHz, Tucson - 1277.25 MHz

FM Repeater Outputs: Phoenix - 448.400 MHz PL 100.0,

Mesa - 445.175 MHz PL 100.0, Tucson - 445.225 MHz PL 103.5

DMR Talk Groups: 9410 "ATV Talk" and 31024 "ATN"

We also stream 24x7 on [www.youtube.com/amateurtelevisionnetwork](http://www.youtube.com/amateurtelevisionnetwork) and on YouTube at W7ATN-Arizona Live and W7ATN-Mesa Live.

President	Ed Olague	K5OLA	602.885.7725
Vice President	Rod Fritz	WB9KMO	480.322.5149
Sec./Treasurer	Lee Weitzel	K0CCU	602.439.4840
Repeater Trustee	Kevin Jacobson	AD7OI	602.694.0851
Webmaster	Roland Hoffman	KC6JPG	562.577.1381

ATN-AZ, 4134 W. Danbury Dr. Glendale, AZ 85308. Full membership dues are \$75 annually. Affiliate membership is free. Website: [www.atn-tv.org](http://www.atn-tv.org). Email: [wb9kmo@gmail.com](mailto:wb9kmo@gmail.com)

## WEST VALLEY AMATEUR RADIO CLUB

The West Valley Amateur Radio Club, an Arizona 501(c)(3) non-profit corporation, has been providing emergency communications since 1961. Meetings are the **FIRST MONDAY** of each month at 7:00 PM at Shepherd of the Desert Lutheran Church, 11025 N 111th Avenue in Sun City. The board meets on the third Thursday of the month at 10:00 AM as a Zoom meeting. A weekly breakfast is held on Thursdays at Lou's Tivoli Gardens, 12535 W Bell Rd at 7:00 AM. Club nets are held on 147.300 (tone 162.2) at 9:00 AM and at 8:00 PM. Please check our website (<https://westvalleyarc.com>) for other events and information.

President	Bill Ciccone	KA2KHV
Vice-President	Josh Cavender	KE7WIL
Secretary	Lee Ann Ciccone	KJ7AZR
Treasurer	Bob Runke	AB7RR
Board Member:	Chris Van Camp	KJ7NOP
	Joe Jacobson	KJ7PUL
	Frosty Oden	NQ1S
	Larry Johnson	WO7C
Committees:		
Membership	Krissy Larson	KI7GJJ
Technical Advisory	Frosty Oden	NQ1S
Equip. Donations	TBD	
& Sales		

WVARC, P O Box 1573, Sun City, AZ 85372-1573. DUES: \$15.00/YR for family residing at the same address. MEMBERSHIP YEAR - January - December. Web Site: <http://westvalleyarc.com>. Email: [suncitywvarc@gmail.com](mailto:suncitywvarc@gmail.com)

## SUNLIFE AMATEUR RADIO CLUB

The Sunlife Amateur Radio Club is a Snowbird Club and meets **EVERY MONDAY** at 10:00 AM from October through the end of April both in person and on Zoom at Greenfield Village, 111 S Greenfield Road in Mesa. Please contact Sue Rogers, W7SKH at [happyham7777@gmail.com](mailto:happyham7777@gmail.com).

Nets:

20 Meter Net: Monday, Wednesday, & Friday, 14329 Mhz SSB 12:30 p.m./11:30 a.m. during daylight savings time.

10 Meter Net: Tuesday & Thursday, 28.329 Mhz, SSB. 7:00 p.m./8:00 a.m. during daylight savings time.

Venture Out: 2 Meter Net: Monday, Wednesday, & Friday, 1:00 p.m., 146.58 MHz FM simplex, 12:30 p.m.

President	Ralph Towers, KA0CET	<a href="mailto:retowers@hotmail.com">retowers@hotmail.com</a>
Vice President	Jim Hood, K5TT	
Secretary	Greg Watkins, WB7VOK	
Treasurer	Cheri Goforth, KD7ZXD	<a href="mailto:treasurer.sunlifearc@gmail.com">treasurer.sunlifearc@gmail.com</a>

Membership dues are \$10.00/year. If you would like to be a member, visit the website at <https://www.sunlifearc.org/>



## ADAW Member Clubs

### AMO - ARIZONA MESH ORGANIZATION

The Arizona Mesh Organization (AMO) is a 501(c)(3) amateur radio club. Our goals and purpose is to promote and support ARDEN MESH Networks throughout the state of Arizona, to explore new technologies, to promote the education of what amateur radio mesh is, to support and exchange information with mesh users throughout the state, to further the technology of mesh radio itself, to support emergency and public service communications, and (of course) to have fun along the way. AMO's board meets the **FIRST THURSDAY** and club meetings are held the **SECOND THURSDAY** of each month via Zoom. If you would like to attend either of these, contact the President, Michael, KI7LXY at [president@arizonamesh.org](mailto:president@arizonamesh.org) at least 24 hours in advance. Visit the web site at <https://arizonamesh.org> for more information on the AMO Club and up-to-date news.

President: Michael Bailey, KI7LXY [president@arizonamesh.org](mailto:president@arizonamesh.org)  
Vice-President: Steve Estes, KB7KWK [vicepresident@arizonamesh.org](mailto:vicepresident@arizonamesh.org)  
Treasurer: Scott Gillins, W2KP [treasurer@arizonamesh.org](mailto:treasurer@arizonamesh.org)  
Secretary: Robert Fridell, N3BZ [secretary@arizonamesh.org](mailto:secretary@arizonamesh.org)  
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Bob Howard, W8RH [w8rh@arizonamesh.org](mailto:w8rh@arizonamesh.org)  
Rodney Fritz, WB9KMO [wb9kmo@arizonamesh.org](mailto:wb9kmo@arizonamesh.org)

*Mail Address: Arizona Mesh Organization Inc, 7939 E Golf Avenue, Mesa, Arizona 85209. DUES: Full Membership \$25.00 per year. Visit the AMO web site for more information on membership. If you would like to join, visit our web site and click on the HamClubOnline Banner: [https://arizonamesh.org/amo\\_membership.shtml](https://arizonamesh.org/amo_membership.shtml)*

### ARIZONA OUTLAWS CONTEST CLUB

The Arizona Outlaws Contest Club ("AOCC") does not hold routine meetings. At least once per year, we hold the AOCC Roundup, a catered event that rotates each year between Phoenix, Tucson, and Prescott. All members have access to an email reflector. Members post comments, questions, and their contest scores. All licensed amateur radio operators interested in amateur radio contesting (also known internationally as "radiosport") are eligible for membership. For more information, see our website, [www.arizonaoutlaws.net](http://www.arizonaoutlaws.net).

President: Mike Fulcher, KC7V [mikekc7v@gmail.com](mailto:mikekc7v@gmail.com)  
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V.P Central Area: Chuck Zanella, KF7U [Chuck\\_KF7U@outlook.com](mailto:Chuck_KF7U@outlook.com)  
V.P. South Area: Owen Watson, AK7W [ak7w.owen@gmail.com](mailto:ak7w.owen@gmail.com)  
Secretary/Treasurer: Larry Reader, KE2VB [larry.ke2vb@gmail.com](mailto:larry.ke2vb@gmail.com)

*Arizona Outlaws Contest Club, 1099 N Olympic Pl, Tucson, AZ 85737. Dues are \$10 per year. For more information, contesting resources, and a membership application, visit our website: [www.arizonaoutlaws.net](http://www.arizonaoutlaws.net).*



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The *Arizona Desert Aire Waves* is published monthly and is the official news media of the sponsoring clubs. All news items, articles and inquires should be submitted to each club's editor. Any information and opinions printed herein are those of the contributors and are not necessarily those of the sponsoring clubs. Full permission is granted to quote from this publication providing credit is given to the individual contributor and the ADAW. ALL RIGHTS RESERVED. **Deadline is 10th of the month**

## From the Editor's Desk

Greetings all.

It's November already and the holidays are upon us. Hamfests are in full swing with three happening this month alone.

The HARKfest is first up on November 5<sup>th</sup>. It will take place at the North Ranch Escapees RV Park in Congress. The Hassayampa Amateur Radio Klub hosts this hamfest. There are tailgaters, VE tests, ARRL Card Checking, prizes, and more. Camping is available at the park also - full hook-ups and dry. See the flyer in the flyer file for more info.

Next is the Tucson Hamfest in Marana. The Oro Valley Amateur Radio Club presents this event at the Marana Middle School. There's VE testing, ARRL Card Checking, prizes and more. A food truck will have breakfast and lunch if you get hungry. See the flyer and visit the web site at [www.tucsonhamradio.org](http://www.tucsonhamradio.org) for details on this growing hamfest.

Let's not forget the West Valley Electronics Club Tailgate Swapfest in Youngtown. This is a small event that is sure to please. In addition to the goodies being offered by the tailgaters, you can view the Vintage Ham and Broadcast Radio Museum, the Shop, and Club Radio Station. See the flyer for more.

In more news - The Radio Society of Tucson is holding a Technician class in Witherspoon Hall at Immanuel Presbyterian Church at 9252 E 22<sup>nd</sup> St in Tucson. This six (6) week class will be held on Thursdays beginning November 3<sup>rd</sup> through December 8<sup>th</sup> (except the November 24<sup>th</sup> class will be held on November 21<sup>st</sup>). Class begins at 6:00 PM and lasts approximately 2-1/4 to 2-1/2 hours. A VE test will be held on Tuesday, December 12<sup>th</sup>.

The fee for the class is \$25.00 per adult student. The book (Gordon West 2022-2026 Technician class) for the class is available at Amazon for approximately \$30.00 plus tax and shipping.

Contact Ken, N7AKL for full details at [n7akl.ken@gmail.com](mailto:n7akl.ken@gmail.com)

The Northern Arizona DX Association will be holding the 4<sup>th</sup> annual Distance Challenge (DC) competition at Quartzfest (QF) January 23, 24, and 26, 2023. Everyone is invited to participate.

There are four categories that you can choose to enter - SSB or CW-100 watts max, FT-8, QRP- 5 watts or less, and W7Q station where most modes are available. Prizes will be awarded to each of the category winners and runners up.

For more information, see the flyer in the flyer file and visit [https://nadxa.com/activities\\_qfdc.htm](https://nadxa.com/activities_qfdc.htm) . Information about Quartzfest can be found on their flyer and web site - <http://quartzfest.org> .

As the year draws to an end, I'd like to thank our ADAW club editors for their continued dedication in providing news

*Continued Next Column*

## Public Service Calendar

### Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Cave Creek Cactus Classic	Cave Creek	11/12/2022
Phoenix Half Marathon	Downtown Phoenix	11/13/2022
Xterra San Tan Trail Run	San Tan Park	11/13/2022
Scottsdale Half Marathon	Scottsdale Civic Center	12/04/2022
Xterra Estrella Mtn Trail Run	Estrella Mtn Park	12/11/2022
Xterra White Tank Trail Run	White Tank Park	01/08/2023
Pancake Run	Former Paradise Valley Mall	02/05/2023
Xterra McDowell Mtn Trail Run	McDowell Mt Regional Park, Fountain Hills	02/05/2023
Black Canyon 100K	Spring Valley to New River	02/18/2023
Lost Dutchman Marathon	Apache Junction	02/19/2023
Mesquite Canyon Trail Run	White Tank Park	03/11/2023
Xterra Black Canyon Trail Run	Black Canyon City	03/12/2023
Crown King Scramble	Lake Pleasant-Crown King	03/25/2023
Zane Grey 100K	Mogollon Rim, N. of Payson	04/22/2023
Mogollon Monster	Rim Country, E. of Pine	09/09/2023

To sign up for an MCECG Public Service Event: [www.mcecg.net](http://www.mcecg.net)

For information, contact Dennis Bietry - KE7EJF at 602.274.3732 - email, [ke7ejf@cox.net](mailto:ke7ejf@cox.net), or contact the Event Coordinator for the event.



### Editor's Desk Continued from Previous Column

about their club and club activities. Your efforts to keep your members and all our readers informed is greatly appreciated.

Thank you to Ham Radio Outlet for your steadfast support of the Arizona Desert Aire Waves. Your support makes ADAW possible.

To all our clubs and readers. You are why this publication exists. There would be no reason for ADAW without you. Thank you.

Wishing you a very Happy and Blessed Thanksgiving!

73,  
Christine, N7PVL

**ADAW**



### **AMATEUR RADIO SERVICE DEMONSTRATION STATION**

W7ASC is a Demonstration Station for the Amateur Radio (public) Service. The Volunteers who operate the station are members of the Center for Amateur Radio Learning (C.A.R.L.), a 501(c)(3) corporation. W7ASC is open to all who visit Arizona Science Center (ASC) during those hours when ASC is open. The station is located on the third floor of the Science Center in the “My Digital World” gallery. Direct phone number is 602-716-2082.

ASC is open daily, 10:30 a.m. – 4:00 p.m. The ham shack hours are essentially the same, dependent on availability of volunteer staff. Our Twitter feed can be accessed at [twitter.com/w7asc\\_arc](https://twitter.com/w7asc_arc). We hope to have our web page back up shortly. You can also learn more about us by searching our W7ASC callsign on QRZ.com

All licensed amateur radio operators are invited to join us Wednesday and Saturday mornings at 0900 MST for the CARL Net on 440.375 MHz, offset +5.0, tone 100. The repeater is located on South Mountain.

### **W7ASC Station Improvements**

Our W7ASC volunteers are continuing to make station improvements thanks to the generous grant provided by ARDC. The station has really come a long way in the last six months as noted by our president Jack KD7ROB. Our most recent improvements are as follows.

CARL’s new FlexRadio 6400 was delivered around the first of October to Thomas’ NE7X QTH. It was installed in W7ASC the following day in our west station. Paul KI7LW is working on a “living document” to provide basic operational instructions to help the W7ASC volunteers get up and running with this evolutionary transceiver. I used the initial “rev 0” draft last Wednesday and was able to get the FlexRadio up and running on 20m SSB all by myself. Its spectrum and waterfall graphics are first class and immediately initiated interest from an ASC visitor upon boot up. I understand that FT8 operational capability on the FlexRadio system was achieved last Thursday.

We installed an additional monitor on the exterior wall of our east station. This will allow Arizona Science Center visitors to better visualize what our control operator, our satellite communications system, and the satellite itself are doing when we are making these contacts.

W7ASC’s east and west stations are now networked together. Per Rusty WA8ZID, the networking allows him to

*Continued Next Column*

### **CARL Continued from Previous Column**

maintain logs for both radio positions in near real time. It also allows the east station operator to access and operate the FlexRadio even though it is physically located in the west station. Networking capability for remote operation of the FlexRadio is being worked upon as I write this.

CARL’s new GeoChron Atlas 4k display system has been enhanced with GeoChron’s Ham Radio add-on bundle. This premium package provides propagation information such as a maximum usable frequency (MUF) overlay and windows showing solar terrestrial data and NOAA auroral forecasts for the poles. Another new overlay is a layer that shows recent DX cluster and radio beacon activity. This additional capability allowed me to notice a 10m opening occurring on Wednesday, 5 October that resulted in a successful FT8 contact to South Africa in the late morning.

### **Ham Radio in St. Johns, U.S.V.I.**

We had several visitors stop by the shack from the small Virgin Island of St. Johns in the Caribbean recently. They reported that ham radio licenses have become quite a “hot ticket” on the island following the communications and infrastructure destruction due to Hurricane Irma in 2017. (It was followed by Hurricane Maria shortly after). After the hurricane, observers on St. Johns noted all the leaves were stripped from the trees and all the telephone poles were down. Recovery there has been slow. According to the visitors, there is still quite a bit of contention between FEMA and the islanders regarding whether their cell phone system and emergency communication system are working adequately.

### **Volunteers Needed at W7ASC**

W7ASC definitely needs more volunteers to support its mission to introduce AZ Science Center visitors to ham radio. School tour groups have returned in full force this fall. The winter visitors will be here soon which results in larger crowds. Likewise, we have noted quite a bit more serious interest from adults following the pandemic. If you are interested in offering your volunteer support to CARL/W7ASC to help our ham radio cause, please contact Jack KD7ROB at [jacklandon17@gmail.com](mailto:jacklandon17@gmail.com).

73 de N7INV Sam  
[w7asc.sked@gmail.com](mailto:w7asc.sked@gmail.com)  
[602.291.0992](tel:602.291.0992)

**ADAW**





### ***TBARC Continued from Previous Column***

but means a lot to the State of Arizona. Rick K7TEJ has taken on being TBARC's statutory agent for the Arizona Corporation Commission. The statutory agent gets the corporation-related mail that relates to the club. Thank you Rick!

### **Charlie in charge of education**

When he sees a need, he does something about it! Charlie KG7KRN has stepped up to coordinate TBARC's education program. His first order of business is to find club members who want to be instructors for the next group of new hams. If you're an instructor or want to be one, get in touch with Charlie and let him know!

### **AZ QSO Party - Results Next Month**

I'm writing this as the AZ QSO Party is happening, so I can't tell you what the news is from either of our two QSO Party sites: in Flagstaff at Jack's place, or in Phoenix at Arizona Christian University. I am willing to bet the participants had a good time - and conditions today have been pretty good as well. So... for more news, watch this spot next month!

### **November meeting**

We'd love to see you at our next meeting! As usual, it's on the third Thursday of the month. The meeting will be hybrid: in person at Arizona Christian University or online with Zoom. If you're a member, join us and vote in the election - it will be held at the November meeting. After that, we'll have a presentation. November's presentation will be on scanners - we've got a double header, with Jim Piroli KE7EEU and Gary Duffield WK7B presenting. Check the website [w7tbc.org](http://w7tbc.org) for the conference URL and Zoom dial-in numbers. Or just join us in person at 59th Avenue and Greenway Rd. The choice is yours! Either way, we'll see you at the meeting!

Andrew Cornwall, KF7CCC  
[kf7ccc@arrl.net](mailto:kf7ccc@arrl.net)

### **Election in November**

Once again, the days are getting shorter and we're seeing more club members return to the Phoenix area as other parts of the country start seeing snows fall. The TBARC election happens every year, and this year we're choosing four board members whose terms end in 2022. The other four elected board members will remain, along with the non-elected trustee and past president positions. Be ready to elect the board that represents you!

### **Bylaw change**

In addition to voting for board members, you'll be asked to approve or reject updated bylaws. The board has recommended an amendment that will give it more flexibility when it's not able to adhere to what the bylaws say. Currently, the options provided by Ham Club Online don't support the prorated dues in the bylaws. The board is asking you to approve clauses to allow for flexibility in cases like these. Do you agree? Do you object? Let the board know what you think!

### **Raffle tickets now available**

Brian AK7F has been working hard to get the TBARC raffle to come together, and you'll be able to see evidence of his hard work at the general meeting. We now have raffle tickets for the prizes we'll award at the hamfest - which means you can buy tickets now. More than that, other hams can buy the tickets - so spread the word! We'll be looking for volunteers who can set up booths at hamfests and other ham-friendly locations, so if you can, lend a hand!

### **Now accounting for donated VE space**

This may sound a little strange if you're not a CPA, but if you are a CPA, you're nodding your head. Thanks to Jeff KD7PYE, we now keep track of the space that the school is allowing us to use for VE testing as a donation to the club. This is a good thing: it shows that we're engaging with the greater community, and more important, it shows the greater community sees value in supporting TBARC. And of course, we thank Northwest Christian School, host of the VE tests we hold every month!

### **New AZ Corporation Commission agent**

There's another change that won't mean a lot to members,

*Continued Next Column*

**ADAW**



**Veterans Day  
November 11, 2023**



HAMFEST time is here. We are ready to rock. We have a huge sales table this year, even bigger than last year and our raffle prizes are the BEST ever.

If you've been to our HAMFEST before, we'll be at the same place and the same time. See the flyer in the HAMFEST addendum for the details. No need to do anything ahead of time, just get here.

Thanks to Fred-W2HZ for accumulating all of the donations that we received over the past year. Just three days ago we picked up another sizeable donation. We are LOADED for the HAMFEST. Thanks

A special thanks to all of the members that helped to get our inventory organized and priced for the Hamfest: Fred-W2HZ, Don-KA2IYU, Bev-WB7BEV, Carl-KB7AZ, David-AK2L, Logan-KE7AZ, Gary-AE7GP and Dave-KC7AA. A special recognition to Nic for keeping a watch over all of us and making friends with other dogs nearby.

All of our repeaters have been behaving nicely, thanks to Gary-AE7GP. The OVARC Board has voted to increase the number of Directors in 2023 to get more participation and representation from the membership. Please get involved and jump in. If you're not a member, become one. Thanks to David-AK2L for keeping our VE sessions together. It seems like we always have a good turnout.

We'll have a Christmas Holiday Party this year for our OVARC members. We have the location booked and ready for December 11th; now we're working on the food. Thanks to Dave-N7AKC for exploring the options.

There have been sightings of Walt-AK7KE back in town.

On October 6th, Glen Popiel KW5GP returned to present his latest on Arduino: The Next Generation. Glen is the author of the *High Speed Multimedia for Amateur Radio*, *Arduino for Ham Radio*, and *More Arduino for Ham Radio* books sold by the ARRL. In August, he gave an overview of some of the projects that can be created with Arduino boards in Amateur radio to help control and automate ham shack functions to small transceivers. The latest boards being produced are even more powerful and updated to perform many more functions, including some with wireless networking capability built in. The Arduino platform fits perfectly in the ham toolbox to experiment and home brew electronics. If you missed the meeting, the recording is available for viewing at <https://youtu.be/gZJnwHyK4vc>

Don't miss our next meeting on November 3rd. The presenter will be Randy Shirbroun ND0C covering QRP Operation.



HAPPY HALLOWEEN! 73, Steve – W1SR

ADAW



ADAW

## Hamfest Calendar

5 November 2022 - **HARKfest Tailgate Hamfest** - hosted by the Hassayampa Amateur Radio Klub will be held at North Ranch Escapees RV Park, 30625 S Hwy 89 in Congress. Hours are 8:00 AM until Noon. Free Admission. Free Tailgating & Vendor Sites. Must pre-register via email to [djgrooms@yahoo.com](mailto:djgrooms@yahoo.com). Overnight full RV hook-up or dry camping. Contact North Ranch Escapees at [northranch@escapees.com](mailto:northranch@escapees.com) to reserve. Free Ham Radio License Testing - Must pre-register via email to [cecarter39@yahoo.com](mailto:cecarter39@yahoo.com). Grand Prizes - Door Prizes - ARRL Card Checking. Talk-in on 146.580 (simplex) or 146.620 repeater (PL 162.2). Contact Duane Grooms, KD0KYK at [djgrooms@yahoo.com](mailto:djgrooms@yahoo.com) for more information. Visit the web site at [harkaz.org](http://harkaz.org).

12 November 2022 - **Oro Valley Hamfest** - hosted by the Oro Valley Amateur Radio Club will be held at Marana Middle School, 11285 W Grier Road in Marana. Gates open at 7:00 AM (5:00 AM for sellers). Closes at 1:00 PM. \$5.00 Admission includes a bottle of water. Children under 12 are free with a paid adult. Students are free with any AZ school ID. Seller spaces - \$10.00 per space (includes the seller). Indoor VE session. Pre-registration preferred - email [licensing@tucsonhamradio.org](mailto:licensing@tucsonhamradio.org). ARRL Card Checking, Interesting Seminars, Prizes! Food Truck available for Breakfast and Lunch. Contact [hamfest@tucsonhamradio.org](mailto:hamfest@tucsonhamradio.org) for more information.

19 November 2022 - **Tailgate Swapfest** - hosted by the West Valley Electronics Club will be held at 11115 W Nevada Ave in Phoenix. Hours are 8:00 AM until 12:00 PM. VE Exams at 1:00 PM. Parking for buyers is located on both sides of Nevada Ave. For more information, contact Fred K7WFP at [fpeters5227@gmail.com](mailto:fpeters5227@gmail.com) or Gary K8BKB at [garyfranklin9@gmail.com](mailto:garyfranklin9@gmail.com). Spaces are limited so RSVP to [westvalleyhamshack@gmail.com](mailto:westvalleyhamshack@gmail.com).

3 December 2022 - **Superstition SuperFest** - hosted by the Superstition Amateur Radio Society will be held at Mesa Community College, 1833 W Southern Ave in Mesa. Hours are 7:00 AM - 3:00 PM. Check the website at [www.superstitutionsuperfest.com](http://www.superstitutionsuperfest.com) for all the details.

14 January 2023 - **Thunderbird Hamfest** - hosted by the Thunderbird Amateur Radio Club will be held at the Glendale Nazarene Church, 5902 W Cactus Rd in Glendale. Hours are 8:00 AM - 12:00 Noon. Admission - \$5.00 each which includes a door prize ticket. Commercial Vendor set up Friday after 5:00 PM and/or Saturday at 6:00 AM. Tailgaters and Clubs set up Saturday after 7:00 AM. Space are \$10.00 for each space used or blocked. Two admissions tickets included with space. Food provided by Queso Good - Quesadilla Truck. See the web site at [tbirdfest.org](http://tbirdfest.org) for more details.

22-28 January 2023 - **Quartzfest** - will be held at the Roadrunner BLM outside of Quartzside. A full week of ham radio activities, seminars, off-road rides, swap meet, and flea market shopping. Check the web site at [www.quartzfest.org](http://www.quartzfest.org) for details.

25 March 2023 - **Tucson Spring Hamfest** - hosted by the Radio Society of Tucson. Watch for details. Visit the web site at <http://www.k7rst.org> for information and map.

6 May 2023 - **Cochise Hamfest and 7th Region Communications Exercise** - hosted by the Cochise Amateur Radio Association will be held at the club site, 2756 South Moson Road in Sierra Vista. Gates open at 7:00 AM. Free Admission and Parking. Tailgating - \$5. Inside Table - \$10. VE Testing from 9:00 until 11:30 AM. Coffee, Pastry, and Drinks Available. Hourly Prizes with Main Prize drawing at 12:00 Noon. Talk-In on 146.76(-) PL 162.2 Hz.

ADAW



**Election Day  
November 8th**



**Thanksgiving Day  
November 24th**

# License Testing Information

When you are ready to take an exam for an Amateur Radio license, there are Volunteer Examiners available to assist you. Each Applicant will need to bring a picture ID (some test sessions require two forms of identification). An FCC-issued FRN number is required. If you do not have an FCC-issued FRN number, visit <https://apps.fcc.gov/coresWeb/publicHome.do> to obtain one. If you are upgrading your class of license, be sure to bring the original (and a copy) of your license and/or Certificate of Successful Completion of Examination (C.S.C.E.). There may be an exam fee required.

**PLEASE NOTE:** Dates, times, locations, fees may change. Arrive promptly at time listed. Fees may vary and exact change or check is required at most sessions. Call test session contact to confirm information. Walk-ins are permitted unless otherwise specified.

**IMPORTANT NOTICE:** In light of the current situation with the COVID-19 virus, please call to verify whether test session will be held.

## November Test Sessions



**Nov 1st** - ARRL Ham Radio Exams -- 6:00 PM  
Quadcity Christian Church, 501 S Senator Hwy, Prescott  
Contact - J.M. Scherfling 928.632.2050  
No Walk-Ins/Register or Call Ahead

**Nov 14th** - East Valley VE Group -- 6:00 PM  
Charles K Luster Bldg, 640 Mesa Dr, Mesa  
Contact - Ray Vasquez 602.363.4207  
MUST obtain FRN prior to exam

**Nov 5th** - Chandler Ham Radio Club -- 10:00 AM  
Tri-City Baptist Church, 2211 Germann Rd, Chandler  
Bldg D, Room 170  
Contact: [ve@chandlerhams.org](mailto:ve@chandlerhams.org)  
Walk-Ins Allowed / Registration or Call Ahead  
Register at: [chandlerhams.org/testing/](http://chandlerhams.org/testing/)

**Nov 14th** - Radio Society of Tucson -- 7:00 PM  
Immanuel Presbyterian Church, Witherspoon Hall  
252 E 22nd St, Tucson  
Contact - Diane Zimmerman  
[dzimmerman2002@gmail.com](mailto:dzimmerman2002@gmail.com)

**Nov 5th, 12th, 19th** - NOMADS -- 9:00 AM  
Venture Out RV Resort, 5001 E Main St, Mesa  
Contact: Robert Bingham 480.404.1408  
No Walk-Ins / Register or Call Ahead

**Nov 15th** - Hassayampa AR Klub -- 2:00 PM  
Escapes North Ranch, 30645 S Wandering Way, Congress  
Contact - Charles Carter 316.651.7710  
Call for test and location Info

**Nov 5th** - K7ARC VE Team -- 10:00 AM  
American Red Cross, 4747 N 22nd St, Phoenix  
Contact - Brandi Bridges [VE.Testing@k7arc.org](mailto:VE.Testing@k7arc.org)  
No Walk-Ins / Register at [k7arc.org](http://k7arc.org)

**Nov 15th** - Boy Scout Troop 127 -- 12:45 PM  
St Francis Xavier School, 4715 N Central Ave, Art Room, Phoenix  
Contact: John Kelly 480.823.8993

**Nov 7th** - WVARC -- 6:00 PM  
Shepherd of the Desert Lutheran Church-Walton Hall  
11025 N 111th Ave, Sun City  
Contact - David Morrill 623.680.5011  
No Walk-Ins / Register or Call Ahead

**Nov 15th** - MARCA ARC -- 5:00 PM  
Denny's Back Room, 4403 S Rural Rd, Tempe  
Contact - Ray Vasquez 480.696.1581  
MUST obtain FRN prior to exam - Checks not accepted

**Nov 12th** - Oro Valley ARC -- 5:30 PM  
Marana Middle School, 11285 W Grier Rd, Marana  
Contact - David Beauchesne 831.345.3308

**Nov 16th** - Thunderbird ARC -- 6:00 PM  
Northwest Christian School, 16401 N 43rd Ave, Phoenix  
Enter Gate 9, Room 423  
Contact - Walter Reinert 602.668.7804  
No Walk-Ins / Register or Call Ahead

**Nov 12th** - Yuma ARC -- 9:00 AM  
Yuma County Sheriff's Office, 141 S 3rd Ave, Training Rm 2, Yuma  
Contact - John Ham 970.927.3273  
No Walk-Ins/Register or Call Ahead  
Appointment Only - Pre-register by Wednesday

**Nov 18th** - Oro Valley ARC -- 5:30 PM  
Mountain View Baptist Church, 3500 W Overton Rd, Tucson  
Contact - David Beauchesne 831.345.3308

**Nov 19th** - Hualapai ARC -- 10:00 AM  
VE's Residence, 3571 E Lum Ave, Kingman  
Contact - Alyce Ingle 425.231.9173

Continued on Page 13



It has been a busy time for the Kachina Amateur Radio Club. We have spent a lot of time focusing on our primary objectives which are education and training, advancing the communications and technology capabilities in the region and providing public service and outreach.

Specifically, the Kachina club supported several events in the White Mountains region providing communications for events such as bike races, marathons-runs, and horse-mule riding events.

We held our first joint amateur radio training event with our brothers and sisters at the RIM club where we taught a technician course in Heber-Overgaard and then provided a VE testing team after the training class. We had several new hams as a result of this effort. This was in addition to the usual pace our team provides training and VE sessions.

We are refurbishing existing repeater sites in the White Mountains and adding linking controllers and new sites in NE Arizona to create the Navajo Link System for emergency communications. We have been fortunate to obtain some donations of link antennas and other items to enable us to provide this system to the community.

We will be featured on Show Low TV in an interview with our members showing our capabilities to encourage both new hams, inviting hams new to the area to join us, and also to promote our communications capabilities which we provide to the community at no cost to support events in the area. To learn more about us visit us on the web at <http://kachinaarc.org/>



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**Test Sessions Continued from Page 12**

**Nov 19th** - West Valley Electronic Club -- 9:00 AM  
The Shack, 11115 W Nevada Ave (111th & Nevada), Youngtown  
Bring FRN, pencil & pen, and \$15.00  
Contact - David Morrill 623.680.5011  
No Walk-Ins / Register or Call Ahead / Limited Seating

**Nov 25th** - Vernon Teaching Testing Center -- 6:00 PM  
Vernon Community Park, 1567 ACR 3148, Vernon  
Contact - Anthony Romyak 928.892.3098

**Nov 26th** - Arizona ARC -- 4:00 PM  
American Red Cross, 4747 N 22nd St, Phoenix  
Contact - Gary Hamman 602.996.8148  
No Walk-Ins / Register or Call Ahead  
Pre-Register Required by the Thursday before

Led by Chuck, KF7U, AOCC has moved our reflector to [groups.io](http://groups.io). This gives us more features such as attachments. If you are an AOCC member, and have not received an invite, reach out to Chuck at [Chuck\\_KF7U@outlook.com](mailto:Chuck_KF7U@outlook.com)

CQWWRTTY has come and gone and we had some very decent conditions to work with over that weekend. 15m was productive, especially on Sunday, and 10m pitched in a little too. CQWSSB will be done by the time you read this and it is time to prep for the CQWCCW contest. Lots of sunspots recently, but it comes with some bad days prop wise with high A and K indexes. We are seeing EU openings on 10m and it should continue to improve. This could be good for the upcoming 10m contest in December.

As a reminder, you can find contest dates and links to rules by looking at [www.contestcalendar.com](http://www.contestcalendar.com). You can also check to see what dxpeditions will be on for DX contests at <https://www.ng3k.com/>.

Contest Tip this month – BIC. BIC (butt in chair). If you want to make lots of QSO's and follow the prop, you need to stay in the operating chair and on the air. Many can't or won't do 48 hours contests, but some have a 24-hour category so you can spread your time out. With more bands open during the day, you could choose a single band entry. Whatever you choose, plan on staying on the chair as long as you can to take advantage of openings.

Our members include elite contesters who have operated from many DXCC entities around the globe as well as beginners wanting to learn more and who may submit a score of only a few QSOs. We encourage all stations, big or small, to get on and participate in contests and make contacts. There are excellent resources among club members and on our club website for contesting help.

Here are a couple of AOCC accomplishments-

In the recent CQWWRTTY contest, WA7AN (ops-AA7A, KY7M, K9DR, NA2U) broke the existing W7 Multi-Single record. We'll have to wait till after log checking and the final results to see if it sticks.

Outlaw Ned AA7A and Outlaw Mike KC7V are involved with Visalia DX and Contest Convention to be held next April. We are working on the programs and there will be a Contest half day program. I hope to see many Outlaws there. Registration is open.

Keep posting your scores. We welcome all who wish to join the ham contesting/radiosport world.



## FEATURED EVENTS

**COPA-FEST 2022** - Saturday Oct 29th, 2022 @ 7:00 a.m. to 1:00 p.m. at the Harrah's Casino Parking lot. "see link below for details." WE NEED HELP MANNING OUR BOOTH. This is a great place to promote our club and find some really good deals on ham related equipment. <https://www.copafest.org/>

## CLUB EVENTS

**THURSDAY NIGHTS** at 8:00 p.m.: The N7CHN Chandler Ham Radio Club, MARCA Repeater, 443.050 + p1100. All though this is the weekly club net it is open to all ham radio operators in the valley.

1st Saturday of Every Month

VE Test Session at 10: a.m. Tri-City Baptist Church 2211 W. Germann Rd , Building D Room 170. Sign up online at the CHRC website, [www.chandlerhams.org](http://www.chandlerhams.org).

2nd Saturday of Every Month

Chandler Ham Radio Club meeting at 9:00 a.m. at Tri-City Baptist Church 2211 W. Germann Rd , Building D, Room 140. A presentation follows immediately after most monthly meetings. Also treats are served at no cost and a free raffle for club memorabilia. The meeting is open to anyone, and all members are encouraged to attend.

4th Saturday of every Month

Chandler Ham Radio Club breakfast at 8:30 a.m. Denny's 3971 S Gilbert Rd, NE corner of Germann and Gilbert roads. All are invited.

## NON CLUB EVENTS

**WEDNESDAY Evenings** at 8:00 p.m.: The SHOW NET on South Mountain Repeater, 443.050 + p1100. This is a social net, but also hope to get TECH questions and conversations as well. Please join us every WEDNESDAY and be a part of this NET.

**THURSDAY Evenings** at 7:00 p.m., Maricopa County New Hams Net on South Mountain Repeater 440.375 + PL100.

At the last Arizona amateur radio club meeting, which was on October 13, it was decided that the Christmas party would be at Papago Park on December 8 in the same ramada as last year, Ramada 2. Our membership has proved to include excellent cooks, so we plan to have this be a potluck lunch event with the club furnishing the main course.

The next meeting of the AARC will be November 10, and the next test session will be November 26.

I can't help but tell you about a special event that occurred in my very own back yard. An unexpected visitor appeared in the backyard on October 13, the same day as our club meeting. It was a bobcat who walked by the pool and jumped on the wall where his picture was taken before he left into a neighbor's yard.

73, Lori Cripps, WA7EDI

**ADAW**

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### *CHRC Continued from Previous Column*

This net is targeted at newly licensed hams to learn and get over the fear of pressing that PTT button on your radio. Good variety of new and seasoned hams. . . no such thing as a dumb question here.

**FRIDAY's** at 11:00 A.M., THE NATIONALLY FAMOUS "ROMEO LUNCH" AT CULVER'S ON ARIZONA AVE. AND WILLIS RD., Chandler, AZ

**NEXT ROMEO BREAKFAST** -Wednesday, Oct 12th, 2022 at 8:30 a.m. at Biscuits Café, 9542 E Riggs Rd, Sun Lakes, AZ 85248. This is just west of Dobson on Riggs Rd on the NE corner. Looks like a giant red brick with windows....please RSVP to Gary [ki7pbr@cox.net](mailto:ki7pbr@cox.net)

**FALL-WINTER 2022-2023 BE-HIP SEASON** - We will be kicking off the BE-HIP season on Saturday, Oct 15, 2022 at 8:30 a.m. to around 3:00 p.m. at Desert Breeze Park in Chandler.

Walter, KK7AEV

*Continued Next Column*



**Tuesday, November 15 Club Meeting at 7:00 PM**

Location: Mesa’s Charles K Luster Building and Zoom

Our meeting at the Charles K. Luster Building starts at 7:00 PM. The doors open at 6:00, and Zoom will be live soon after. We welcome visitors in person or via Zoom: Please email the [President@SuperstitionARC.org](mailto:President@SuperstitionARC.org) at least a full day in advance for the Zoom link.

Our Member Clubs entry on Page 3 of this ADAW contains general information about the club meeting schedule. Speaking of which, I have removed the January - only use of the Chandler church. In 2023, our meetings will all be in Mesa.

**Nominations Close October 30 at Day’s End**

Members, please check your club email and the October Communicator on our website for how to nominate yourself or others for Officer and Board positions for 2023.

Also, please watch November’s Communicator for instructions on how and where to cast your ballot ahead of November’s club meeting.

**President’s Corner – by Steve KB7KWK**

I hope everyone is doing well. I do not have a lot to report for this article so it will be a short one.

I have noticed that we are having a lot more attendance at the club meetings. It is great to see some of you that have not been around in a while. It’s also great to see people face to face again.

That being said, I want to remind everyone of the club Fall camping trip. The camp out will be Friday, October 7th and Saturday, October 8th at Usery Mountain Regional Park. The park is in Northeast Mesa within the Tonto National Forest at 3939 N. Usery Pass Road. We will be camping at the Cholla group campsite which can hold up to 40 vehicles. The club paid for 10 sites for the two nights. That means your group of people, not each person.

If you do not want to camp, you can come up for the day. The entry fee for the day is \$7 a carload. Also, remember that you cannot get into the park on Friday before 1:00 p.m. We will all get together for lunch on Saturday. Be aware that the club is not catering. Bring your own food and hang out. Although this is a social event, you may bring a radio if you like. I am sure there will be a few out there.

The SuperFest is approaching really fast, and the team needs some help. The club puts on one of the biggest hamfests in the Southwest. It is a lot of work. Please volunteer to help. If you

***Superstition Continued from Previous Column***

do, don’t worry about missing the event. You can help for an hour if you want.

The SuperFest team is looking for someone to organize the event presentations. We already have several, and we have the rooms at the College. We just need someone to assign locations and schedule the events. It may sound like a lot but it really isn’t. We just need someone to step up and help out. If you think you can help, please talk to the SuperFest Chairman, Matt, K7YEG.

73 for now. I hope to see a lot of you at the camp out.

**Deadlines to Include Your Input in Our Publications:**

We publish this column and the club Communicator newsletter. We welcome your input to both publications.

**The Communicator:** Please email

[Editor@SuperstitionARC.org](mailto:Editor@SuperstitionARC.org) with your input by: October 27th. The Communicator will publish to club members in early November.

**This Publication:** Please email [WB7C@SuperstitionARC.org](mailto:WB7C@SuperstitionARC.org) with your input by: November 5th. The December ADAW will publish to club members in late November.

73 – Larry Kuck WB7C for SuperARC’s part of this ADAW

**ADAW**

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***Superstition ARC Repeaters***

<b>Output</b>	<b>CTCSS</b>	<b>Links To</b>	<b>Mode</b>
<b>147.120 MHz+</b>	162.2Hz	449.600*	FM Only
<b>449.600 MHz-</b>	100.0Hz	147.120*	FM Only
<b>448.275 MHz-</b>	100.0Hz	WIRES-X	Fusion

\* Also Links to Echolink Node: **WB7TJD-L**  
 \* Also Links to AllstarLink Node **52987**

***Club Nets***

**Morning Drive Time Net:** Mon-Fri, 7:00-8:00 AM - Trivia  
**Club Net:** Wednesdays, 8:00 PM - Discussion, Elmer Q&A.  
**Mesh Information Net:** Thursdays, 8:00 PM - Net control Steve, KB7KWK  
**Fusion Confusion:** Monday & Friday, 8:00 PM - 448.275  
**10-Meter Rag Chew:** Thursdays, 8:00 PM, 28.465 MHz USB

***SuperARC Merchandise Store***  
<https://superARC.big3creative.com>

***Club Membership*** is open to anyone with an interest in Amateur Radio. Visit: <https://superstitionarc.org> for more information.

***Superstition SuperFest***  
 The Superstition SuperFest is held on the first Saturday of December. Visit [www.superstitionsuperfest.org](http://www.superstitionsuperfest.org) for the latest information.

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*Continued Next Column*



## For Sale / Wanted



**LOOK!**  
**Great Deals!**

## For Sale

The Yavapai Amateur Radio Club meets at the Freeman Building at the Prescott Rodeo Grounds, 840 Rodeo Drive, Prescott, AZ 86305 on the first Thursday of every (almost) month, at 7:00 PM. Or, if you would like to join the fray via Zoom, the link can be found on the front page of our website, [www.w7yrc.org](http://www.w7yrc.org)

Amateur licensing tests are available in Prescott every month. Both YARC and our fellow licensing group "ARRL Ham Radio Exams" test on alternate months. YARCs next session will be on December 3, 2022. Pre-registration is recommended at [www.w7yrc.org/arrl-vec/](http://www.w7yrc.org/arrl-vec/). Our 2023 test sessions are not yet finalized, so stay tuned here or check the YARC website or the ARRL exams page on their site.

### License classes are back.

General class is October 22nd, 29th and November 5th (three Saturdays), at the Jeep Posse building from 8:30 a.m. to 4:00 p.m. Check our website for corrections or further details, and to register. Classes for next year have not been posted as yet. Check our website for more information.

While activity on the FM repeaters is not what it was several years ago, YARC is doing its part to bring life back to the airwaves. The Yavapai Amateur Radio Club has a 2-Meter and 70CMFM net dubbed the "1300 Net" It is held every week day (except Saturday & Sunday) at 1300 hours MST on 146.880 (PL of 100 Hz) and 447.650 (PL of 100Hz). These Linked repeaters have AllStar node 502370 and Echolink W7YRC-R.

Other nets we conduct are:

Wednesday Night FM Net 7PM

Friday Night 6 meter FM Net 7PM

Saturday Coffee FM Net 9AM

Details of all nets can be found on our website, [www.w7yrc.org](http://www.w7yrc.org)

Our public service events have come to a close for this year with the famous Whiskey Row Marathon, held October 8th. Look for future public service activity on our website.

Don't miss the "NRA 151st Birthday" On the air Celebration at Gunsite Academy. YARC is doing a special event station November 17, 2022, in celebration of the NRA's 151st birthday. The special event station will operate from Gunsite Academy's 2,000-acre campus in Paulden, AZ, north of Prescott. See our website for more information.

YARC is one of the largest and most active amateur radio clubs in the southwest. Our home is in beautiful Prescott, Arizona, at an elevation of 5400 ft. Why not join us for one of our club meetings. All the info will be on our website, [www.w7yrc.org](http://www.w7yrc.org).

**Remember: BE RADIO ACTIVE!**

**For Sale** - US Tower MA40 - 40 foot - 2 Sections  
includes: MARB Rotor Base, CX-2M 2 Coax Arms  
4 cement anchor bolts, 6-foot top mast  
All hardware, winches, and cables  
\$1,000.00

(Current US Tower listing - \$6,560 including freight)  
Located in 43rd Ave and W Bell Rd area of Phoenix  
Contact Lee Weitzel K0CCU at 602.330.4840

**For Sale** - "The Dominator" 6 meter, 5/8 wave vertical antenna. Made like a tank in Italy by SIRIO. Is in perfect condition in Tucson. \$100.00

Contact Richard Bruns, K7VQ at [d\\_brunz27@yahoo.com](mailto:d_brunz27@yahoo.com)

### 11.0/13.5 KW 120/240 V Predator Generator

Looks and runs like new. Electric start with 12V battery and charger. Purchased 8/3/16, has 37 hours total run time. Comes with Manual, complete maintenance log, 90' 50-A cable, and dual 6' loading ramps. \$1800.00 Contact: Dave West K9JKN at [WestDL@aol.com](mailto:WestDL@aol.com) or 480.641.1480.

**70CM Yagi** - 70 CM Yagi, KLM model 440-16X. Gain 14.0 dBd, Broadbanded 420-450 MHz. Boom length - 10 ft, 3 in. \$50 including manual. Contact Erik Basilier K7TV at [ebasilier@cox.net](mailto:ebasilier@cox.net)

The **West Valley Amateur Radio Club** has radios and ALL kinds of supplies available for sale through the club. We get some old equipment that won't sell that will be added to the items for free. Contact: Ken Jenkins, WB6MMV at [kjenkins5623@gmail.com](mailto:kjenkins5623@gmail.com) or Jim Seay, WB7RBN at [wb7rbn@arrl.com](mailto:wb7rbn@arrl.com).

**ADAW**







**ARA Continued from Previous Column**

the systems in use for VHF (receive), UHF (receive and transmit), and control radio, and an Andrew's DB224, 4-Bay Dipole Omni Base Station Antenna for VHF transmit. This VHF antenna configuration is unique for ARA repeaters that normally use the same antenna for receive and transmit. Therefore, the receive footprint and transmit footprint for the Chase VHF repeater are slightly different from one another. You may be able to hear or access the repeater slightly better than you can access or hear it. But it isn't an "alligator" (all mouth, no ears) or an "elephant" (all ears, no mouth).

Power / Redundancy – Utility powers an Astron 12V RS-35M power supply.

Controller - The radios are all controlled by one Link Communications RLC-3 Repeater Controller which allows all the radios to be interconnected as required.

**Tech Committee Activities**

**Pinal Peak** - Trip planned in October to investigate performance on the VHF 147.200 repeater. The antenna or feedline may need to be replaced. A plan is being formed.

ARA Repeaters <https://www.w7ara.org/z/Repeaters.aspx>

**Meetings**

Join us at our next General Meeting in person or virtually. Our in-person meeting has recently moved to the Denny's at Priest and Broadway. If you can't join us in person, our ARA virtual meeting is the next best thing to being there without the food. Follow the link for more details. <https://www.w7ara.org/mtg/Meetings.aspx>

**Membership**

2023 Elections ballots are in the mail. Mail your ballot by November 19<sup>th</sup>. <https://www.w7ara.org/rcu/welcome.aspx>

You can join the ARA to support these open repeaters! Membership is \$20 per year. Membership info at <https://www.w7ara.org/mbr/Membership.aspx> or email [membership@w7ara.net](mailto:membership@w7ara.net)

**ARA Site Profile – Chase Tower - Lance Halle, KW7LH**

The ARA began operating the Valley Center site in 1973. The building is the tallest building in the state of Arizona. Built in 1972, it is 483 feet tall. It was originally built for local financial heavyweight Valley National Bank, with which Bank One merged in 1993. Bank One merged with Chase in 2005, and the building was renamed in December 2005.

June 1997 – The ARA UHF antenna and feedline goes missing. A contractor removed it from the building in error. After extensive negotiation the contractor purchased a new antenna and the ARA restored it in the fall.

Dec 2007 ARA board approved plan to install IRLP at Chase tower.

Location – 201 N Central Ave, Phoenix, Maricopa County

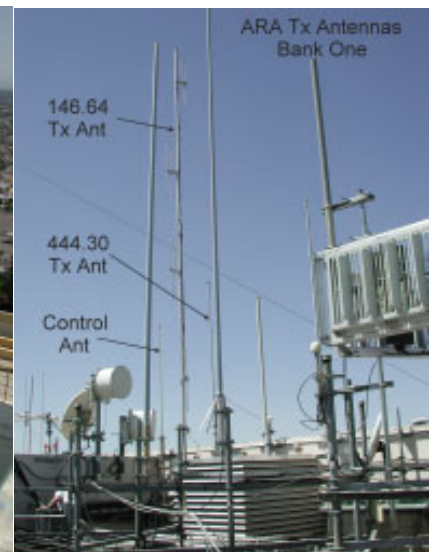
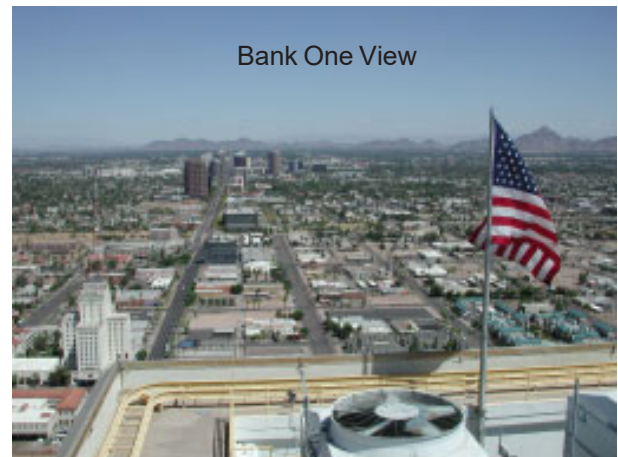
Coverage Area - Central Phoenix, extending into the closest metro cities

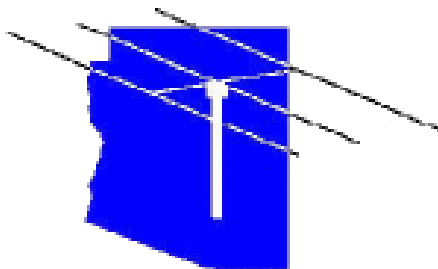
Elevation – 1690, Building 483 feet (147 m) tall. 40 stories.

Radios – Three modified Motorola Micor radios  
There are two repeaters operating on VHF 146.64 MHz(-) 162.2 and UHF 444.300 (+) 100.0. The site has IRLP & EchoLink connectivity on the 444.300 repeater.

Auto-patch - Service was discontinued on Bank One.

Antennas – Four Omni fiberglass antennas support





MARCA INC.

One of the things about MARCA is that our meeting, and often our events, tends to be after the ADAW deadline, but this can be a “blessing in disguise” as it allows for telling you about upcoming events!

To report on past events, the MARCA meeting in September was at the Denny’s at 48th Street and University and included a VE Exam session. Several folks attended via Zoom.

The speaker for our November meeting, to be held November 15, will be your humble reporter. The topic I’ll be speaking about is the Apollo Guidance Systems which got people to the Moon and back. What got me started on this was looking at a 500ml bottle of water, and an apartment-size fridge that I knew to be roughly the same size as the primary guidance system on Apollo, and thinking that with today’s technology, we could easily cram it into the water bottle. So I started doing some research into the Apollo Guidance Systems to see if my thoughts were actually correct. I got some surprises along the way, both from early 1960s technology and from some current technology.

I’ll have a couple of “pass-around” demos, and one “hand-waving” demo with a prop that hopefully will be large enough for folks to see. The hand-waving demo will explain a bit about how a couple of key technologies used in the primary guidance system actually worked. Although I’ll include photos of each for the benefit of the Zoom attendees, they’ll probably be better in person.

The actual timing of this talk may be somewhat fortunate in that NASA is trying to launch Artemis I in an unmanned mission to the Moon and back. As of this writing, they have not yet announced the exact date that they’ll try again to launch, but they are hoping to launch sometime in November.

The General Membership Meeting, again, will be held on November 15, 2022, called to order at 6:30 PM MST. The QTH will be Denny’s, 825 S 48th Street. For a link via Zoom, please check our website at [www.w7mot.org](http://www.w7mot.org)

We are planning on having a VE Exam session prior to the meeting, though preregistration is required to take an exam. Again, please see the website for more info.

Clark Jones, KI7TU



*Emergency Communications Since 1961*

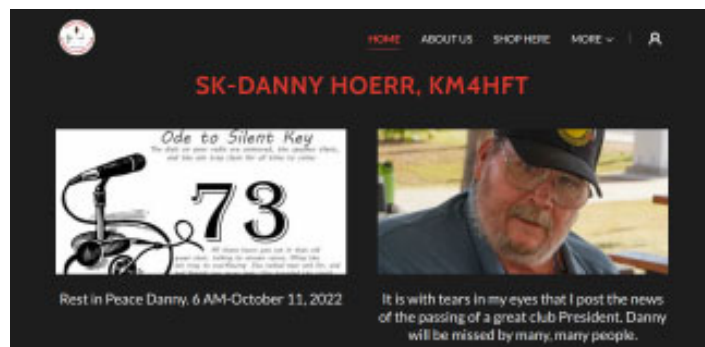
**SHORT SKIP**

The West Valley Amateur Radio Club has been busy trying to keep cool over the summer. We had good attendance during our summer Field Day, with city officials, kids and lots of members in attendance. We were busy building antennas, had a show and tell on Zoom with our shacks and even a week-long QSO party. October 15th was a somber day for a picnic. As we celebrated 61 years as an Amateur Radio Club, we mourned the loss of our President near the end of his third term.

Good people have stepped up to try and fill his shoes. So now we are looking forward to a FOX HUNT on Nov 19th, maybe another visit from Santa in December, and of course, Winter Field Day in January and our annual auction in February.

Be sure to come to a meeting and introduce yourself. We hold our meetings on the first Monday night of each month at 7:00 PM. The location directions are on our website: <https://westvalleyarc.com/>. There is no need to be a licensed ham, as we can help you get a license, if you so desire.

73  
April Kramer, KI7GFJ  
Webmaster





60th Anniversary Crew



The Chow Line



Members Checking In

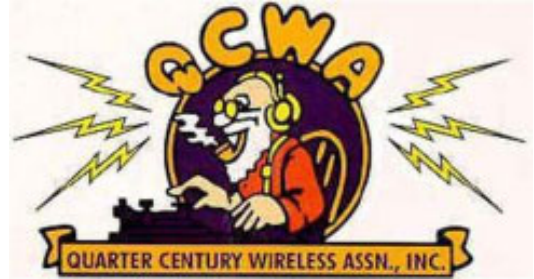


Dan's Award



Photo Guys!

# No Reports Received



## CHAPTER 16 BARRYM.GOLDWATERARIZONA CHAPTER



4747 N 22nd St. - Suite 100 - Phoenix, AZ 85016  
VHF - 146.84 MHz - PL 162.2 / UHF - 446.900 MHz - PL 131.8  
Echolink Node #731289 - K7ARC-R



### SARC CONSTANTS:

SARC is a 501 (c)(3) club. That means all donations are fully tax deductible. Contact Paul Finell W7EFQ at 602.741.6563 for information on estate donations and equipment pick-up.

For membership information, call Ed Nickerson, WU7S at 480.949.5162. Please send address change requests to Judy no later than the 7th of the month in which you would like the change to occur.



# HAM RADIO OUTLET

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### FTDX101MP | 200W HF/50MHz Transceiver

- Hybrid SDR Configuration • Upgraded 71 dB Max. Attenuation vO-Tune • New Generation Scope Display 3DSS • AFB (Active Band Indicator) & MPVD (Multi-Purpose VFO Outer Dia) • PC Remote Control Software to Expand the Operating Range • Includes External Power With Matching Front Speaker



### FTDX10 | HF/50MHz 100 W SDR Transceiver

- Narrow Band and Direct Sampling SDR • Down Conversion, 5MHz IF Roofing Filters Produce Excellent Shape Factor • 5" Full-Color Touch Panel w/3D Spectrum Stream • High Speed Auto Antenna Tuner • Microphone Amplifier w/3-Stage Parametric Equalizer • Remote Operation w/optional LAN Unit (SCU-LAN10)



### FT-991A | HF/VHF/UHF All Mode Transceiver

- Real-Time Spectrum Scope with Automatic Scope Control • Multi-color waterfall display • State of the art 32-bit Digital Signal Processing System • 3kHz Roofing Filter for enhanced performance • 3.5 inch Full Color TFT 16:9 Capable • Internal Automatic Antenna Tuner • High Accuracy TCXO



### FTDX101D | HF + 5M Transceiver

- Narrow Band SDR & Direct Sampling SDR • Crystal Roofing Filters Phenomenal Multi-Signal Rejecting Characteristics • Unparalleled -70dB Maximum Attenuation vO-Tune • 15 Separate (HAM TC + GEN S) Powerful Band Pass Filters • New Generation Scope Displays 3-Dimensional Spectrum Stream



### FT-891 | HF+50 MHz All Mode Mobile Transceiver

- Stable 100 Watt Output • 32-Bit IF DSP • Large Dot Matrix LCD Display with Quick Spectrum Scope • USB Port Allows Connection to a PC with a Single Cable • CAT Control, PTT/RTTY Control



### FTM-3000R | C4FM/FM 144/430MHz Dual Band

- 50W Output Power • Real Dual Band Operation • Full Color TFT Display • Band Scope • Built-in Bluetooth • WRCS-8, Portable Digital Mode/Fixed Mode with HRI-200



### FT-2980R | Heavy-Duty 80W 2M FM Transceiver

- 80 watts of RF power • Large 6 digit backlit LCD display for excellent visibility • 200 memory channels for various users



### FT-818ND | HF/VHF/2M/440 All Mode Portable Xcvr

- Ultra-Compact/Portable • 208 Memory Channels • Internal Battery Operation Capability • Two-Antenna Connectors • Built-in High Stability Oscillator ±0.5 ppm



### FTM-2000R | C4FM/FM 144/430MHz Dual Band

- 1200/9600bps APRS® Data Communications • 2" High-Res Full-Color TFT Display • High-Speed Band Scope • Advanced C4FM Digital Mode • Voice Recording Function for TX/RX



### FTM-400XD | 2W/440 MHz

- Color display-green, blue, orange, purple, gray • GPS/APRS • Parked 1200/9600 bps ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

### FT-700R C4FM/FM 144/430MHz Xcvr

- System Fusion Compatible • Large Front Speaker delivers 700 mW of Loud Audio Output • Automatic Mode Select detects C4FM or FM Analog and Switches Accordingly • Huge 1,105 Channel Memory Capacity • External DC Jack for DC Supply and Battery Charging



### FT-5DR C4FM/FM 144/430 MHz Dual Band

- High-Res Full-Color Touch Screen TFT LCD Display • Easy Hands-Free Operation w/Built-In Bluetooth® Unit • Built-In High Precision GPS Antenna • 1200/9600bps APRS Data Communications • Supports Simultaneous C4FM Digital • Micro SD Card Slot



### FT-65R | 144/430 MHz Transceiver

- Compact Commercial Grade Rugged Design • Large Front Speaker Delivers 1W of Powerful Clear Audio • 3 Watts of Redible RF Power/With in a compact Body • 3.5-hour Rapid Charger Included • Large White LED Flashlight, Alarm and Quick Heavy Channel Access



### FTM-6000R | 50W VHF/UHF Mobile Transceiver

- All New User Operating Interface-E2D-II (Easy to Operate-II) • Robust Speaker Delivers 3W of Clear, Crisp Received Audio • Detachable Front Panel Can Be Mounted in Multiple Positions • Supports Optional Bluetooth® Wireless Operation Using the SSM-BT10 or a Commercially Available Bluetooth® Headset



- RETAIL LOCATIONS – Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE – Toll-free phone hours 9:30AM - 5:30PM
- ONLINE – WWW.HAMRADIO.COM
- FAX – All store locations
- MAIL – All store locations

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