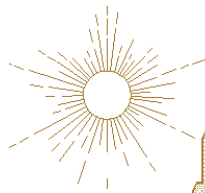


ADAW

10498 Monserrate St
Elk Grove, CA 95757-1765



ADAW

Arizona Desert Aire Waves

Vol 48 No 5

May 2023

CLUB MEETING SCHEDULE

SARC

May 3rd - 7:00 PM
Via Zoom

AARC

May 11th - 7:00 PM
American Red Cross/Echolink

AzRCCC

May 9th - 7:00 PM
American Red Cross/MS Teams

AMO

May 11th - 7:00 PM
Via Zoom

SuperstitionARC

May 16th - 7:00 PM
Charles K Luster Bldg

CHRC

May 13th - 9:00 AM
Tri-City Baptist Church

ANSR

May 18th - 7:30 PM
via GoToMeeting

KARC

May 9th - 6:30 PM
New Hope Christian Fellowship

OVARC

May 19th - 7:00 PM
Pima Comm. College, NW Campus

SunLifeARC

Every Monday - 10:00 AM
Via Zoom

YARC

May 4th - 7:00 PM
Prescott Rodeo Grounds

TBARC

May 18th - 7:00 PM
Arizona Christian University

ATN (VOAR)

Postponed
www.whereby.com/atn1

QCWA-AZ Chapter

TBD
Various

CADXA

May 4th - 7:00 PM
Bethany Luthern Church

ARA

May 25th - 7:30 PM
Denny's - Tempe & Zoom

CARL

TBD
Arizona Science Center

MMRG

See Web Site

MARCA

May 16th - 6:30 PM
Via Zoom

MARA

May 6th - 9:00 AM
Maricopa Public Library

WVARC

May 1st - 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 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 6:00 p.m. in Room 8 at the Granite Reef 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	n7ell@scottsdalearc.org
Vice President	Rick Aldom	W7STS	natecf@gmail.com
Secretary	Bruce Harmsen	KA9EYX	ka9eyx@scottsdalearc.org
Treasurer	Douglas Mitchell	W7ADD	w7add@scottsdalearc.org
Past President	Paul Finell	W7EFQ	w7efq@scottsdalearc.org
Board Members	Jim Dye	AG7AU	
At-Large	Scott Gillins	W2KP	
	Bill Kouchis	N9EIV	
	Ed Nickerson	WU7S	
	Gene Geller	K0VN	

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

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	iamgadget1@yahoo.com
Vice President	Clayton Jacobs	KJ6QJS	
Secretary	Steve Miller	W6SDM	
Treasurer	Bill McLean	K7WWM	bmclean@gmail.com

ANSR, PO Box 31003, Mesa, AZ 85275-1003. DUES: \$10.00/YR. Web Site: 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	Walter Reinert	NJ8G	president@w7tbc.org
Vice President	Warren Gaspar	KC0GU	vicepresident@w7tbc.org
Secretary	Gene Neigoff	N9ANI	secretary@w7tbc.org
Treasurer	Mike Willmoth	KJ7OPD	treasurer@w7tbc.org
Director 2023	Robert Lutes	N7NO	n7n0@w7tbc.org
Director 2023	Rick Tejera	K7TEJ	k7tej@w7tbc.org
Director 2023-24	Gary McGriff	KK7DCR	kk7dcre@w7tbc.org
Director 2023-24	Bruce Kabana	WB7SRC	wb7src@w7tbc.org
Past President	Charles Loftus	KG7KRN	kg7kmf@w7tbc.org
Station Trustee	Gary Duffield	WK7B	wk7b@w7tbc.org

For further information about the ThunderBird Amateur Radio Club, visit our website at <http://w7tbc.org>, send an e-mail to: 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.

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	Cary Gielniak	K7CFG	president@copahams.org
Vice President	Dave Hagan	KK7FWJ	vicepresident@copahams.org
Secretary	TBD		secretary@copahams.org
Treasurer	George Hogan	K7TGH	treasurer@copahams.org
PIO:	Steve Miller	W6SDM	pio@copahams.org

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. Mailing address: P O Box 951, Maricopa, AZ 85139

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 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	Cary Geilniak	K7CFG	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

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
 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	KB7CN	
	Ken Rasback	KK7KEN	
	Tom Raczykowski	N7MMC	
	Sonja Hazlett	WB7CWW	
	Larry Dorrell	KG7TTD	

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 Testing Info: White Mountain V.E. Team: VETesting@cableone.net. Dues are \$15/yr for individual; \$25/yr for family. Membership is January 1 - December 31. Website: 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.

President	Dennis Bietry, KE7EJF	ke7ejf@w7ara.net
Vice-President	Brian McCarthy, AK7F	ak7f@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
James Wasson, N7ELL	n7ell@w7ara.net
Bill Jackson, N9VJW	n9vjw@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: \$20.00/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 at the Charles K Luster Building, 640 N Mesa Drive, Mesa. VISITORS are Encouraged to attend. Zoom is no longer available.

President	Steve Estes	KB7KWK	kb7kwk@superstitionarc.org
Vice President	Matt Churchill	K7YEG	k7yegt@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
	JD Smaylis	KF7VOX	kf7vox@superstitionarc.org
	Doug Brown	AG7KU	ag7ku@superstitionarc.org
	John Jacques	KD8PC	kd8pcu@superstitionarc.org
	John Wolven	KG7NSP	kg7nsp@superstitionarc.org

Superstition ARC, 5155 E Eagle Dr #21522, Mesa, AZ 85277.
 Web Sites: SuperstitionARC.org and SuperstitionSuperFest.org.
 For more information, send email to: 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	Ray Vasquez	K4RMV	
Vice President	Tom Morrissey	KE7TM	
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 for more information. Contact club president for zoom link.

President	John Jolly	N7NWL	wa7nwl@gmail.com
Vice President	Virgil Silhanek	K7VZ	k7vz@arrl.net
Secretary	Temporarily Vacant		
Treasurer	Mike Wright	N7MW	n7mw@aol.com
Immed. Past Pres.	Bill Poole	AA4Q	aa4q@arrl.net
Directors	Ron Smith	N7RD	n7rd@cox.net
At-Large	Steve Protas	K7SP	sprotas@juno.com

CADXA, P.O. Box 24616, Tempe, AZ 85285-4646. Email: 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.

YAVAPAI AMATEUR RADIO CLUB

The Yavapai Amateur Radio Club meets the **FIRST THURSDAY** of every month at 7:00 PM in the Freeman Building at the Prescott Rodeo Grounds located at 840 Rodeo Drive in Prescott (visit web site at 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	Ray Kolman	KI7COM	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		
	Debbie Kolman	KD7COM	
	Mike Schnell	NC7X	ka9cid@gmail.com
	Ron Shimek	W7WWB	
Past President	John Snedden	KT7P	

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

K7ARC 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	Jerry Quenneville	K1GJQ
Treasurer	Saroj Gilber	KM6BQD
Past President	Frank Engstrom	KB7IQ

Arizona Red Cross Communications Club - K7ARC, 4747 N 22nd Street, Phoenix, AZ 85016. Web Site: K7ARC.org Email: info@k7arc.org

NORTHERN ARIZONA DX ASSOCIATION

The Northern Arizona DX Association is a small, but very active club in Flagstaff. We hold our monthly meetings the **FIRST TUESDAY** of each month via ZOOM at 6:00 p.m. MST (01:00 UTC). A ZOOM ragchew is held every Wednesday at 9:00 a.m. Visitors are welcome. Please e-mail President Mike at michael-hanks@hotmail.com to receive the ZOOM invite and password.

President	Mike Hanks, W7QS	michael-hanks@hotmail.com
Vice-President	Larry Gilbert, WB7EUJ	
Secretary	David Schaubert, NJ0W	
Treasurer	Ken Held, W7SS	

Website: www.nadxz.com. If you are interested in joining us, please read through our Bylaws (available on the website) and attend a club meeting or breakfast. A sponsor will be assigned to get you acquainted with our merry band



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	Gary Malhoit	N4WU	
Sec./Scheduling	Sam Marshall	N7INV	602.291.0992
Treasurer	Karen McConaghy	NO7D	602.799.7338
Station Engineer	Rusty Kinner	WA8ZID	
Board Members:			
	Tom Salt	AD7PM	At Large
	John O'Neal	K7JP	Teacher Packets
	Jerry Quenneville,	K1GJQ	ARCA Delegate

Direct Phone: 602.716.2082

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 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 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. Email: 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	Jeff Rogers	KD7KYE
Board Member:	Bob Runke	AB7RR
	Mike Stevens	K7BLT
	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

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 at the Greenfield Village RV Park, 111 S Green field Road in Mesa. We also gather every Thursday morning at Red Mountain Park.

Nets:

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

10 Meter Net: Tuesday & Thursday, 28.329 Mhz, SSB. 02:00 (UTC) is also crossbanded to KD8PC-L and AllStar 51772 on Tuesday nights.

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

President	Jim Steinmetz, WX7G	steinmetzjb@aol.com
Vice President	Stephen Wagner, W7WHB	w7whb@arrl.net
Secretary	Roy Gager, KD7WRC	roygager@mac.com
Treasurer	Cheri Goforth, KD7ZXD	treasurer.sunlifearc@gmail.com

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 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
Vice-President: Steve Estes, KB7KWK vicepresident@arizonamesh.org
Treasurer: Scott Gillins, W2KP treasurer@arizonamesh.org
Secretary: Robert Fridell, N3BZ secretary@arizonamesh.org
Board of Directors
Dale Schmidt, N7QJK n7qjk@arizonamesh.org
Heidi Brewer, K7ZAE k7zae@arizonamesh.org
Gary Hinton, AC7R ac7r@arizonamesh.org
Bob Howard, W8RH w8rh@arizonamesh.org
Rodney Fritz, WB9KMO 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

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.

President: Mike Fulcher, KC7V mikekc7v@gmail.com
V. P. North Area: Ray Benny, N6VR n6vr@arrl.net
V.P Central Area: Chuck Zanella, KF7U Chuck_KF7U@outlook.com
V.P. South Area: Owen Watson, AK7W ak7w.owen@gmail.com
Secretary/Treasurer: Larry Reader, KE2VB 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.



ORO VALLEY AMATEUR RADIO CLUB

The Oro Valley Amateur Radio Club meets the **THIRD FRIDAY** of each month at 7:00 p.m. at Northwest Campus, Pima Community College, 7600 N Shannon Road in Tucson. (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 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: Beverley Hester WB7BEV wb7bev@cox.net
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Board Member: Andreas Prorocok W1IXQ teslarocks77@gmail.com
Board Member: John Behrens K7JWB johnbehrens@comcast.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/>.



THE AMATEUR'S CODE

ONE

The Amateur is Considerate . . . He never knowingly uses the air in such a way as to lessen the pleasure of others.

TWO

The Amateur is Loyal . . . He offers his loyalty, encouragement and support to his fellow radio amateurs, his local club and to the American Radio Relay League, through which Amateur Radio is represented.

THREE

The Amateur is Progressive . . . He keeps his station abreast of science. It is well-built and efficient. His operating practice is above reproach.

FOUR

The Amateur is Friendly . . . Slow and patient sending when requested, friendly advice and counsel to the beginner, kindly assistance cooperation and consideration for the interests of others; these are marks of the amateur spirit.

FIVE

The Amateur is Balanced . . . Radio is his hobby. He never allows it to interfere with any of the duties he owes to his home, his job, his school, or his community.

SIX

The Amateur is Patriotic . . . His knowledge and his station are always ready for the service of his country and his community.

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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

Did you get a chance to visit the 2023 April Hamfest and Electronic Swap Meet at DeVry in April? Reports received indicate it was a widely attended, successful event. U.S. Representative Debbie Lesko gave an informative talk to attendees during the hamfest. Several meetings were held and VE tests were administered also. A great time was had by all who attended. If you didn't get there this year, plan on right around the same time next year.

May begins the slow down in hamfests and activities in the greater Phoenix area. It is historically too hot for many outdoor activities during the summer months. However, May does bring several opportunities to attend some great events.

The Cochise Amateur Radio Association is up first with its Cochise Hamfest and 7th Area Phone/CW/Digital Communications Exercise on May 7th. Held at the club's site on Moson Road in Sierra Vista, this event packs a punch with friendly people, tailgating, vendors, prizes, and VE testing. Admission and parking are both free - always a plus. The site is located an easy 15-minute drive from Sierra Vista. See the listing in the Hamfest Calendar on page 10 and the flyer for more details. Consider checking it out.

The Prescott Hamfest returns on May 13th. The event will be held at the Granville Elementary School on Stover Drive in Prescott Valley. Most of the tailgate spaces are covered, which is nice if it rains, or shade if it doesn't. There's the usual hamfest activities including some great prizes! Always a great event to attend in the cooler regions of Arizona. See the Hamfest Calendar (page 10) and flyer for all the details.

Next up - The Dayton Hamvention. Although not an Arizona event, it's still worth mentioning. The three-day event will be held at the Greene County Fairgrounds in Xenia, Ohio May 19th - 21st. The Hamvention is one of the biggest hamfests in the U.S. and offers many activities to fill your weekend. This is one for your bucket list if you haven't been there yet.

If you are headed to Ohio for the Hamvention, you might want to take a side trip to check out the National Voice of America Museum of Broadcasting in West Chester. It is located just a short drive from the Hamvention. The museum will be open extended hours Thursday, May 18 through Sunday, May 21 especially for the 2023 Dayton Hamvention. Visit the museum web site (voamuseum.org or wc8voa.org) for more information and hours.

That's about all from here. Have a great month. "See" you next month!

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. You can also learn more about us by searching our W7ASC call sign on qrz.com. Our Twitter feed can be accessed at twitter.com/w7asc_arc. We hope to have our web page back up shortly.

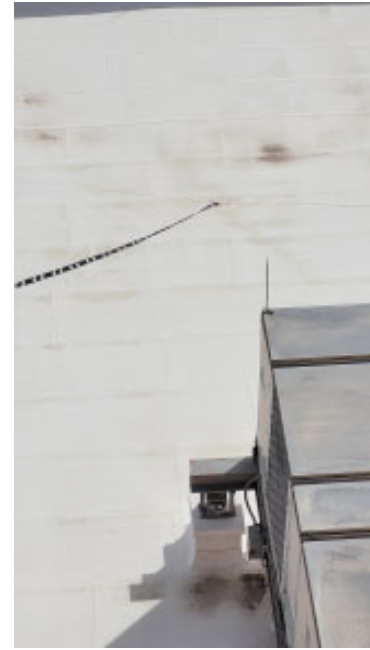
Antenna improvements made at the W7ASC Harkins Ham Shack

Rusty WA8ZID assembled a crew to meet on Thursday, April 6th to install preamps onto the satellite antenna system. The addition of the preamps to W7ASC’s satellite antenna system will increase its ability to communicate with satellites operating at higher orbits. Chris W7AMD also joined the crew because he wanted to observe any clues for what may be responsible for problems with our vertical HF antenna and a dead “sloper” facing south. W7ASC’s antennas are located on top of the 4th floor of the Arizona Science Center in downtown Phoenix.

Rusty reported on the results of the preamp installation effort - “Both preamps are wired and mounted. UHF seems to work. We are getting more noise out of UHF side so I hope that is working as planned. I’ll check on what might cause the VHF to be off and try some things next chance. The 12 VDC is not on the VHF radio connector so it’s likely a programming issue in it. I will check further on the setup of IC-9700.”

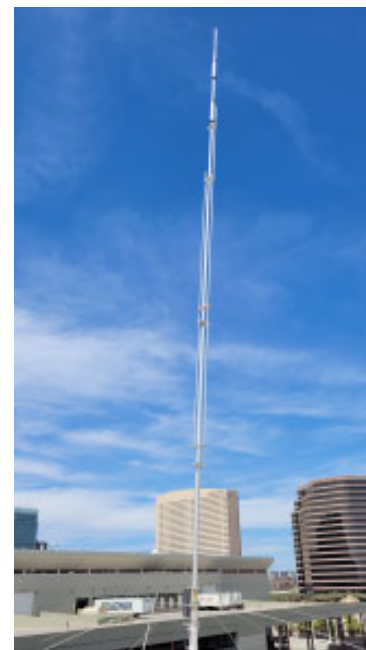
Chris reported on the HF antenna situation & improvements that were made. - “The so called “South sloper” is actually a wire doublet fed in the center with Ladder line. It certainly does slope down from the upper roof to the next level down, directly over a couple of very large HVAC units!! The center wire of the ladder line had broken away from the coax connector . . . actually a failed solder joint rather than a wire failure. The ladder line connects directly into the coax feeder down to the shack. There is no BALUN or tuner on this coax.”

CARL Continued from Previous Column



Wire doublet over ASC’s HVAC units fed by ladder line

“The HF vertical has an elevated counterpoise arrangement using very flexible stainless steel wires that connect into the matching unit at the bottom of the mast. One of these stainless wires had wrapped itself against the Lightning spike that is mounted on the surrounding wall and so was grounding the counterpoise system to the Arrestor system around the building. The following picture shows the antenna/counterpoise wires and you can see the Lightning spike behind the antenna.”



Vertical antenna with lightning spike near counterpoise system

Continued Next Column

Continued on Page 9

CARL Continued from Page 8

“The North Sloper is a strange arrangement of an open wire feeder that is wrapped around itself, then attached to a north sloping wire which appears to have a couple of traps or loading coils in-line. The top of this arrangement feeds into an SGC Auto tuner that gets its power from a “Bias Tee” DC power arrangement of an HF choke, a diode, and a couple of HV capacitors feeding the RF input pin. Presumably there’s a bias tee feed on that coax down in the shack somewhere. The ground of the tuner is attached to the large ground wire that runs around the top of the building connecting the Lightning spikes. I remade this connection as it was quite poor, and will likely oxidize again in a few months but for now it’s solid again.”

“We tested all the antennas and they are all working as expected for now.”

The so-called “south sloper” was connected to our FlexRadio’s second antenna port before everyone left the shack that evening. Jerry K1GJQ remotely connected to the Flex that evening and provided this performance report.

“I made a number of FT8 (and some FT4) contacts on 40 and 80 with the south sloper, as well as using it on other bands up thru 17. On 40 I worked Spain, Alaska, and the Niue DXpedition on 80. I worked a VE4 and WP4. The noise floor is, of course, pretty high at ASC on the lower bands, but quite tolerable for FT8 with the balanced configuration the south sloper offers. I even heard two or three western US stations on 160, but didn’t try to work them since they were dupes and I didn’t want to stress the system that much trying to tune it on 160. This makes the Flex much more useful for nighttime remote ops. While we have ideas for other HF antenna improvements, the fixes/changes we made have given W7ASC a lot more HF capability!”

As Jack KD7ROB, CARL’s president, summarized, “this was long needed and overdue maintenance on our antennas. The addition of the preamps on the satellite antenna will increase its weak signal reception.”

If you are interested in sharing your love of amateur radio with our interested and inquisitive visitors at the Arizona Science Center, perhaps you would like to join the Center for Amateur Radio Learning and volunteer with us at W7ASC. If so, please contact Jack KD7ROB at jacklondon17@gmail.com.

73 de N7INV Sam
w7asc.sked@gmail.com
602.291.0992

ADAW

For Sale / Wanted



**LOOK!
Great Deals!**

For Sale

For Sale - Military Tube Tester TV-7D/u

Working. Very Clean. Recently updated and calibrated (May 2022) by Dan Nelson (an acknowledged expert). Can provide documentation and test report. Updated with Nelson's digital meter with plate current test button. Great for matching tubes. Built like a tank. Item dimensions 16"L x 9"W x 7"H. Weight 19 lbs. Located in North Central Phoenix, AZ.

\$1,300.00 (Or Best Offer)

Contact Wayne, KC9IC at 815.263.9329

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

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 or 480.641.1480.

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: TBD



Hamfest Calendar

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.

13 May 2023 - **Prescott Hamfest** - hosted by the Yavapai Amateur Radio Club will be held at Granville Elementary School, 5250 Stover Drive in Prescott Valley. Hours are 8:00 AM until 12:00 Noon. General Admission is \$5.00 per person. Full time students with student ID and those 16 years and younger are free. Swapfest spaces are \$10.00 each with a maximum of 3 spaces. Pre-registration for spaces is advised - www.prescotthamfest.org. RVs, Campers, and Trailers will not be permitted due to limited space. Sorry - No guns, Drugs, Alcohol, Smoking, Vaping, or Fireworks. Only leashed animals are permitted. visit www.prescotthamfest.org for additional details

15 July 2023 - **Flagstaff Hamfest** - hosted by the Northern AZ DX Association will be held at Sinagua Middle School, 3950 E Butler in Flagstaff. Hours are 7:00 AM to 3:00 PM. Admission Donation \$5.00. Students with ID and those 16 years and younger are free. Tailgate spaces - \$10 per space. Tailgate set up 6:00 AM to 7:00 AM. Inside Vendor space \$20 per 10'x10' space. Vendor set up Friday noon to 4:00 PM and Saturday 6:00 AM to 7:00 AM. VE Exams, Seminars, Speakers, ARRL Forum, ARCA Annual Meeting, Repeater Owners Meeting. Talk-In on 146.98(-) 162.2 Pl. No Overnight Parking and no RVs permitted in Tailgate area due to limited space. Sorry, No guns, Drugs, Alcohol, Smoking, Vaping, or Fireworks. Only Service animals are permitted. For more information: Email President@nadxa.com. Web Site: FlagstaffHamfest.org

16 September 2023 - **Amateur Radio Tailgate Show Low** - will be held at the Show Low Masonic White River Lodge #62, 741 E Whipple Street in Show Low. Hours are 7:00 AM until 12:00 PM. Set up begins at 6:00 AM. Spaces are \$5.00 per 10 x 10 space. Admission. VE Testing - Contact Vince at vetesting@gmail.com to pre-register. Food & drink available by the Ladies of Masonic Eastern Star. RV Cold Camping available behind the lodge. Talk-in 146.76 P/L 110.9. Email w8ybm@gmail.com for more information.

23 September 2023 - **Tucson Autumn Hamfest** - hosted by the Radio Society of Tucson will be held at Calvary Tucson Church, 8711 E Speedway Blvd in Tucson. Hours are 7:00 AM to 11:00 AM with seller set up starting at 6:00 AM. Free Admission. Seller/Vendor Spaces - \$10/parking space. Morning Snacks by Scout Troop 157 and Pack 705. Talk-in - 145.250 MHz, Tone 156.7 Hz. For more information, visit the web site at <http://www.k7rst.org>.

28 October 2023 - **COPAfest** - hosted by the Maricopa Amateur Radio Association will be held at The Ultrastar at Ak-Chin Circle, 16000 N Maricopa Rd in Maricopa. Hours are 7:00 AM until 1:00 PM. Admission Donation is \$5.00 per person. Spaces are \$10.00 for two parking spaces. Set up begins at 5:00 AM. Balloon Launch, VE Testing, Card Checking, Vendor Exhibits, Seminars, Prizes and more. Many activities available in the Multitainment Center including laser tag, bowling, movies, games, dining and more. Dining and Hotel also available. For information, email fest@copafest.org or visit the website at www.copafest.org.

4 November 2023 - **HARKfest Tailgate Hamfest** - hosted by the Hassayampa Amateur Radio Klub will be held at Redeemer Lutheran Church Annex, 470 Rose Lane in Wickenburg. Hours are 8:00 AM to 12:00 Noon. Free Admission. \$5.00 Outside Tailgating - \$10.00 Inside Table. Must pre-register with HARKfest Manager, Duane, KD0KYK: djgrooms@yahoo.com. Main and door prizes. Overnight Full RV hook-up or dry camping available barely 15 minutes up Hwy 89 at North Ranch Escapees RV Park (northranch.escapeesrvparks.com). For more information and questions, email Duane, KD0KYK at djgrooms@yahoo.com.

11 November 2023 - **Tucson 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. ARRL Card Checking, Interesting Seminars, Prizes! Food Truck available for Breakfast and Lunch. Contact hamfest@tucsonhamradio.org for more information.

2 December 2023 - **Superstition Superfest** - hosted by the Superstition Amateur Radio Club. Tentative. Watch for details.

13 January 2024 - **Thunderbird Hamfest and Electronics Swap Meet** - hosted by the Thunderbird Amateur Radio Club will be held at Haven 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 for more details.

21-27 January 2024 - **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 for details.



We are thrilled to be in our new meeting location at the Pima Community College Northwest Campus. Many thanks to Gerry KK7HTF for finding this location and arranging for the meeting space. During our first meeting, we were pleased to have Rick Paquette – W7RAP, make a surprise guest appearance. Rick’s brief presentation was full of valuable take aways for the club. Thank you, Rick!



We are getting ever closer to getting a club up and running at the Pima Community College. Very shortly the club will be established and we already have members to run the new organization. I am very grateful to Gerry KK7HTF for his tenacity and hard work at getting this done. We will work alongside the club at Pima Community College and hopefully establish a station there at some point.

Thanks to David - AK2L for launching a series of Technician Class Licensing classes. They have already begun and we have several students enrolled.

Many thanks to Paul – W9PDC for his excellent presentation of his homebrew loop antenna to the K7UAZ Club.

Continued Next Column

Public Service Calendar

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Flag2GCMTBikeRide	N of Flagstaff to Grand Canyon	08/05/2023
Mogollon Monster	Rim Country, E. of Pine	09/09/2023
Xterra San Tan Trail Run	San Tan Park	11/05/2023
Xterra Estrella Mtn Trail Run	Estrella Mtn Park	12/17/2023
Xterra White Tank Trail Run	White Tank Park Wadell, AZ	01/14/2024
Xterra McDowell Trail Run	McDowell Mtn Regional Park - Fountain Hills	02/04/2024
Xterra Black Canyon Trail Run	Black Canyon City	03/17/2024

To sign up for an MCECG Public Service Event: www.mcecg.net

For information, contact Dennis Bietry - KE7EJF at 602.274.3732 - email, ke7ejf@cox.net, or contact the Event Coordinator for the event.



OVARC Continued from Previous Column

The Dayton Hamvention is coming soon and several OVARC members will attend. If you would like to have a brief eyeball at Hamvention, please send me an e-mail. I would be happy to meet you there. (W1SR@arrl.net)

We are always looking for new members to join OVARC. If you are reading this column and are not an OVARC member, please consider joining us or at least supporting our efforts. We would be pleased to have you with us. We would also like past members to join us again. Ross and Scott please come back and join us.

We are looking forward to some sort of activity for the 7th Area QSO Party (7QP) but plans have not been solidified yet for this. Monitor our website and look for upcoming announcements about this.

Thanks to Logan – KE7AZ and David – AK2L for working on the details for June’s Field Day event. It sure will be nice to operate again as a club and have the usual social interactions with everyone.

Best wishes to Walt - AL7KE and Fred - W2HZ for a continued speedy recovery from your surgeries and new warranty replacement parts.

73 Steve W1SR



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.

May Test Sessions

May 1st - 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

May 2nd - IPrivate VE Sessions -- 5:00 PM

Prescott Public Library, 215 E Goodwin - second floor, Prescott
Contact - J M Scherfling 928.632.2050
No Walk-Ins / Register or Call Ahead

May 6th - K7ARC VE Team -- 10:00 AM

American Red Cross, 4747 N 22nd St, Phoenix
Contact - Brandi Bridges k7arc.ve@gmail.com
No Walk-Ins / Register at k7arc.org

May 6th - Chandler Ham Radio Club -- 10:00 AM

Tri-City Baptist Church, 2211 Germann Rd, Chandler
Bldg D, Room 170
Contact - Byron Garranbrant ve@chandlerhams.org
Walk-Ins Allowed / Registration or Call Ahead
Register at: chandlerhams.org/testing/

May 8th - East Valley VE Group -- 6:00 PM

Charles K Luster Bldg, 640 Mesa Dr, Mesa
Contact - Ray Vasquez 480.696.1581
MUST obtain FRN prior to exam - \$15.00 Exam Fee Cash Only

May 8th - Radio Society of Tucson -- 7:00 PM

Immanuel Presbyterian Church, Witherspoon Hall
252 E 22nd St, Tucson
Contact - Diane Zimmerman 520.664.5070

May 16 - HARK -- 2:00 PM

Congress, 30736 S Wandering Way, Congress
Contact - Duane Grooms 602.814.9603
No Walk-Ins / Register or Call Ahead

May 16th - MARCA ARC -- 5:00 PM

Denny's Back Room, 825 S 8th St, Tempe
Contact - Ray Vasquez 480.696.1581
MUST obtain FRN prior to exam - \$15.00 Exam Fee Cash Only

May 17th - 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

May 19 - Oro Valley ARC -- 5:30 PM

Pima Community College, 7600 N Shannon Rd,
Bldg A, Rm 208, Tucson
Contact - David Beauschesne 831.345.3308

May 20th - Hualapai ARC -- 10:00 AM

VE's Residence, 3571 E Lum Ave, Kingman
Contact - Alyce Ingle 425.231.9173

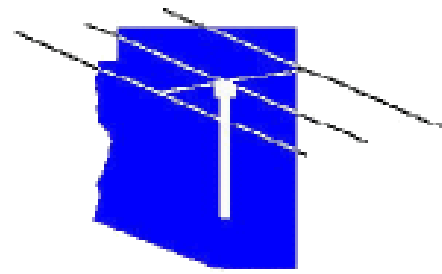
May 20th - West Valley Electronic Club -- 1:00 PM

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

May 27th - Arizona ARC -- 10:00 AM

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 session





MARCA INC.

The SunlifeARC club voted in a new President, Vice President and Secretary.

President - Jim Steinmetz WX7G
Contact info - steinmetzjb@aol.com

Vice President - Stephen Wagner W7WHB
Contact info - W7WHB@arrl.net

Secretary - Roy Gager KD9WRC
Contact info - roygager@mac.com

Treasurer - Cheri Goforth N7WEM
Contact info - Treasurer.sunlifearc@gmail.com

ADAW Contact - Judy Ferrara K7JLF
Contact info - K7jlf@yahoo.com

The Sunlife ARC meets during the winter season every Monday morning at 10 a.m. to 11 a.m. at the Greenfield Village RV Park from the first Monday in October until the last Monday in April. We try to have interesting speakers that cover all aspects of Amateur radio. We have several different nets to keep in touch.

We gather with Hams every Thursday morning at Red Mountain Park. Although it isn't a club event, we enjoy showing and explaining different aspects of Ham Radio to new hams, making contacts around the world, and visiting with each other. The time varies, during the winter it is later, and during the summer it is earlier.

Our nets are:

Sunlife: **20 Meter Net:** Monday, Wednesday & Friday, 14.329 Mhz SSB 19:30 (UTC) 12:30 MST / 11:30 MST during daylight savings time. See Note.

Sunlife: **10 Meter Net:** Tuesday and Thursday, 7:00 pm. 28.329 Mhz, SSB. 02:00 (UTC) is also crossbanded to KD8PC-L and AllStar 51772 on Tuesday nights.

Judy Ferrara K7JLF

We are continuing to hold our meetings the third Tuesday of the month at the Denny's, 825 S 48th Street in Tempe. We offer the license exams at the same location prior to the meeting, though you do have to preregister with Ray Vasquez, K4RMV, and obtain an FRN number from the FCC prior to the exam session.

For the moment at least, we are also continuing make Zoom attendance possible at the meetings, although the exams are only available "in person." Please check our website, w7mot.org, for a Zoom link to the meeting, as well as to verify that there hasn't been a last-minute change in venue.

We are starting our planning for Field Day 2023. We are once again planning on going to the campground at Gentry Lookout Tower, near Forest Lakes, up on the Rim. If you are interested in joining us, Paul Bennett, KD7KDO is organizing it, and would like to hear from you via e-mail at kd7kdo@yahoo.com

Off on another tangent, I recently heard through other lines that NASA is encouraging Hams to participate in a study of the ionosphere during the upcoming solar eclipses on 14 October 2023 and 8 April 2024. If you might be interested in participating, please check out <https://hamsci.org/eclipse> for details.

Clark Jones, KI7TU

ADAW



**ARMED FORCED DAY
MAY 20, 2023**

ADAW



Led by Chuck, KF7U, AOCC has moved our reflector to 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

We are going into a little contest lull, at least for major contests until the end of May. Time to make changes and fixes necessary before the bad heat and monsoon season. This past contest season has been a blast with sunspots available and 10 & 15 meters hopping. Some tremendous scores have been put up by members. Congratulations to all who have participated and posted any size of score. We value you.

The Potomac Valley Radio Club is pleased to announce they are sponsoring a new club competition for the North American QSO Parties - the NAQP Online Scoreboard Club Challenge (NOCC). This competition is open to all clubs. The only requirement is to post your individual scores on the Contest Online Scoreboard (contestonlinescore.com) along with your club affiliation. Cumulative club scores will be tallied for all six NAQP events during 2023 and the winning club will be awarded a plaque.

The NOSCC club competition is not affiliated with the NAQP contests or its sponsors. Full details are in the attached announcement and at <http://pvrc.org/NOCC.html>.

As a reminder, you can find contest dates and links to rules by looking at 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 – Accessories for contesting. Have you tried using two radios? Looking to reduce potential interference in the shack? You can use bandpass filters to reduce QRM and cut down on interference between bands. You have choices of standalone bandpass filters or all built into one box. These are typically 200 watt versions to go between your radio and amplifier. There are a number of high-power bandpass filters available to go after the amplifier. The main function of bandpass filters is to limit the bandwidth of the output signal to the band allocated for the transmission. This prevents the transmitter from interfering with other stations.

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,

Continued Next Column

AOCC Continued from Previous Column

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.

AOCC accomplishments –

Plaque and Yellow Page Listing of Outlaws in 2022 CQWW DX SSB Contest

PLAQUE WINNERS

D4Z (N0VD and 9 others) - #1 World M/M - 50,007,304 (AOCC share 5,000,704)

ND7K (W4IX at N6WIN) - Zone 3 Plaque - SOAB - 3,007,544

TOP USA SCORES in a Category (Yellow Pages)

N2IC - #4 USA - SO(A)AB HP - 5,410,368

NA2U - #5 USA - M/S HP - 3,257,640 - (NA2U K9DR KY7M at NA7TB)

N7DD - #3 USA - SO(A)15 HP - 328,614

N7RQ - #4 USA - SO15 HP - 269,001

N6SS - #6 USA - SO(A)10 HP - 248,381

N7TU (K2SS) - #3 USA SO20 HP - 59,940

N7RK - #5 USA - SO(A)40 HP - 15,561

I hope some of you decided to attend the Visalia DX convention. We had a full slate of presenters, DX University, Contest Academy, and various forums, along with some fantastic prizes. Next up is the Dayton Hamvention, now held in Xenia, OH, a short distance away, in mid May.

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

73,

Mike KC7V



Memorial Day

May 29th

ADAW



Membership - <https://www.w7ara.org/rcu/welcome.aspx>
 Membership info @ <https://www.w7ara.org/mbr/Membership.aspx> or email membership@w7ara.net

Meetings

Join us at our next General Meeting in person or virtually. Our in-person meeting 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>

Tech Committee

The Tech Committee is currently troubleshooting the White Tanks UHF repeater. The radio was removed to bench test it. A second trip is in the works to replace the radio and continue to diagnosis of the problem.

The Tech committee is always looking for interested members who are experienced or willing to learn about the ARA repeater system. Contact Dennis Campbell at ae7wu@w7ara.net for more information.

ARA History

A look back at Amateur Radio support of Arizona Flooding events

- February 1980** - <https://www.w7ara.org/adaw2/>
- December 1978** - <https://www.w7ara.org/adaw1/>

ARA UPDATED Repeater Frequency lists

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

ARA UPDATED Repeater Maps

<https://www.w7ara.org/mbk/>

Feb 25

SOTA/POTA Club Activity

Rick J. K7TEJ, Gary WK7B, Rick KD7NHM, and Mike K7DD headed on up to the Badger Springs Trailhead in the Agua Fria National Monument, POTA reference K-4433. After scouting around for a good location, we set up 4 stations, close to the public bathrooms near the trail head. We coordinated who would be operating on what bands/modes and went QRV. Rick J. made 4 QSOs via AO-91, including XE1BJ in Mexico City. He switched to FT8 and made a few contacts on 10m, 12M & 17m. Gary made 17 FT8 contacts including LW5DUS in Buenos Aires, Argentina. Rick J. switched to 20m FT8 making 60 contacts, including 3 parks. Rick G. made 12 contacts on phone, all but one of which were P2P. K7DD Mike made 16 CW on 10m.

March 2

A Special Board of Directors meeting was held to accept the letters of resignation from President Susan Gray, KK7FYB and Vice-President Aric Gray, AG7WR dated Jan 27, 2023, and Andrew Cornwall, KF7CCC, dated Feb 8, 2023. Per the By-Laws, the BOD then appointed Walter Reinert NJ8G, Warren Gaspar KC0GU, and Eugene Neigoff, K9ANI to the BOD to complete their terms.

Mike Willmoth KJOPD nominated Walter Reinert NJ8G for President, Warren Gaspar KC0GU for Vice-President, and Eugene Neigoff K9ANI for Secretary. The motion was accepted by acclamation and they accepted the appointments.

The new officers have set about reorganizing the Club to TBARC back on track.

Walter Reinert
 President
 Thunderbird Amateur Radio Club





Club Picnic Saturday, April 29

The picnic will be at Lost Dutchman State Park, where we have reserved the Palo Verde Ramada from 6:00 AM to 8:00 PM. This day is not only to get together and have a picnic; it is also to learn about antennas.

We will have a couple of antenna builds and show a few different types of antennas. Come on out for a day of fun!

The park entrance fee is \$10.00 per car with no more than four occupants.

(Information from April Communicator. Matt K7YEG contributed to this report.)

May Club Meeting on the 16th at 7:00 PM

We meet at Charles K Luster Building at 640 North Mesa Drive in Mesa. See full details in our ADAW Member Clubs entry on Page 3 of this ADAW.

April President's Corner

Steve KB7KWK

Hello fellow club members. I hope all of you are doing well. We are seeing more and more new club members and new hams showing up at meetings. It is great to see so many people returning to the in person meetings. I have also noticed more people staying until the end of the meeting. We will continue to bring great presentations to each meeting.

The tech team is moving forward with purchasing all the equipment needed for going full duplex with the repeaters. We are also purchasing a new antenna for the Stone Castle site. The tech team will continue to improve our repeater system. We have one of the most active repeaters in the Valley, so we try to keep it well maintained. For those who do not know, the club has EchoLink and AllStarLink connected 24/7 to the repeaters. Feel free to use AllStarLink to dial up any node or repeater in the world. That is what it's there for.

73 for now and I will catch you on the air.

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 with your input by April 27th. The Communicator will publish to club members in early May.

This publication: Please email WB7C@SuperstitionARC.org with your input by May 5th. The June ADAW will publish to club members in late May.

73 Larry Kuck WB7C for SuperARC's part of this ADAW.

On April 8, 2023, the Arizona Amateur Radio Club held its hamfest at DeVry University. It was well attended and enjoyed by all. One of the lucky prize winners was Steve Tolnai, W7WSV, who won a DMR hand-held transceiver.

Our hamfest had something unusual, a presentation by Debbie Lesko, Representative of Congress. She has two bills for amateur radio in process.

The next amateur radio test session given by the AARC will be on April 29 at 10:00 AM. Anyone wishing to take an amateur radio test should let Gary Hamman, K7GH, our president, know, and he will schedule you at one of the test sessions.

At the last meeting we talked about the hamfest and how to write a radiogram and pass it from one place to another.

73, Lori, WA7EDI



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147.120 MHz +	162.2Hz	449.600*	FM Only
449.600 MHz -	100.0Hz	147.120*	FM Only
448.275 MHz -	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

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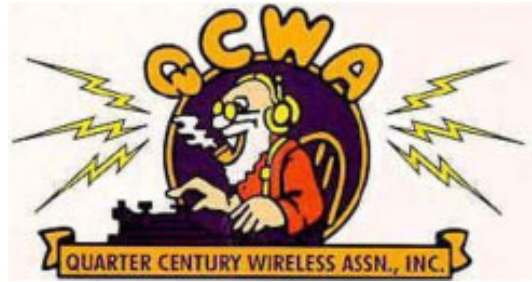
<https://superARC.big3creative.com>

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 for the latest information.

No Reports Received



CHAPTER 16
BARRY M. GOLDWATER ARIZONA CHAPTER



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SHORT SKIP



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.



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