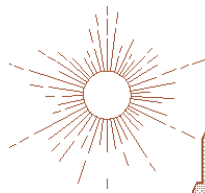


ADAW

10498 Monserrate St
Elk Grove, CA 95757-1765



August



ADAW

Arizona Desert Aire Waves

Vol 48 No 8

August 2023

CLUB MEETING SCHEDULE

SARC

Aug 2nd - 7:00 PM
Scottsdale Senior Center

AARC

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

YARC

Aug 3rd - 7:00 PM
Prescott Rodeo Grounds

TBARC

Aug 17th - 7:00 PM
Arizona Christian University

CADXA

Aug 3rd - 7:00 PM
Bethany Luthern Church

ARA

Aug 24th - 7:30 PM
Denny's - Tempe & Zoom

MARCA

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

MARA

Aug 5th - 9:00 AM
Maricopa Public Library

AzRCCC

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

SuperstitionARC

Aug 15th - 7:00 PM
Charles K Luster Bldg

ANSR

Aug 17th - 7:30 PM
via GoToMeeting

OVARC

Aug 18th - 7:00 PM
Pima Comm. College, NW Campus

ATN (VOAR)

Postponed
www.whereby.com/atn1

CARL

TBD
Arizona Science Center

WVARC

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

AMO

Aug 10th - 7:00 PM
Via Zoom

CHRC

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

KARC

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

NADXA

Aug 1st - 6:00 PM
Via Zoom

QCWA-AZ Chapter

TBD
Various

SunLife ARC

Every Monday - 10:00 AM
Via Zoom

MMRG

See Web Site

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	480.216.2665
Vice President	Steve Tolnai	W7WSV	480.390.4446
Secretary	Randy Gault	KJ7RCN	480.329.1879
Treasurer	Dave DeBolske	WA7DGY	480.249.8286
Activities Mgr	Lori Cripps	WA7EDI	602.955.7517
Membership	Dave DeBolske	WA7DGY	480.249.8286

AARC c/o Dave DeBolske, WA7DGY, 2223 W Belmont Ave, #101, Phoenix, AZ 85021. 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 Gielniak	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	
	Jerry Roberts	K7BUD	
	Ken Rasback	KK7KEN	
	Tom Raczykowski	N7MMC	
	Sonja Hazlett	WB7CWW	
	Larry Dorrell	KG7TTD	
	Ray Kolman	KI7COM	

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@cablone.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 . 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. Denny's, 4403 S Rural Rd in Tempe (SE corner of Rural and US60) and 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 have finally returned to hybrid in-person meetings which include online Zoom capabilities. 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. We have a broad range of programs covering many aspects of amateur radio with an emphasis on DX-related. Visitors always welcome in-person or via Zoom. See www.cadx.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	Steve Thompson	N7TX	steve.n7tx@gmail.com
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: wa7nwl@gmail.com. Dues are \$25 per year (\$12.50 per additional family member). For more information, DXing resources, and a membership application, visit our website: www.cadx.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	NCTX	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	Harry Legrand, KK7IUJ	vicepresident@nadxa.com
Secretary	Keith Schlothman, KR7RK	secretary@nadxa.com
Treasurer	Ken Held, W7SS	treasurer@nadxa.com

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 Wednesday of the month at 7:00 PM on Zoom. 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	TBD	
Board Member:	Bob Runke	AB7RR
	Mike Stevens	K7BLT
	Larry Johnson	WO7C
	Matt Browning	KK7CKE

Committees:		
Membership	Krissy Larson	KI7GJJ
Technical Advisory	Frosty Oden	NQ1S
Equip. Donations	Frosty Oden	NQ1S
& 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 the second Tuesday of every month 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
Board Member	Fred Bresani W2HZ	w2hz@verizon.net
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

Greetings all. Hope everyone is managing to stay cool with all the hot weather we're having.

I got the chance to travel to Arizona to attend the Flagstaff Hamfest on July 15. The Northern Arizona DX Association did a really good job presenting their first hamfest. The school where the event was held was a great place for a hamfest. Several rooms in the school were available for the numerous seminars presented during the morning and early afternoon. There was plenty of space for inside vendors and for outside tailgaters as well. Parking was plentiful in several lots on the campus.

Coffee and donuts were available in the morning and pizza was served in the afternoon so you didn't go hungry. VE testing and ARRL Card Checking were available for any who were interested. ARCA held their Annual Meeting also.

Total attendance for NADXA's first Flagstaff Hamfest is not available at this time, but it seemed good. Everyone appeared to be having a great time. The number of successful license applicants hasn't been announced yet either.

If you didn't make it to the Flagstaff Hamfest this year, make a note to attend next year. NADXA is already planning a repeat.

Last month, I challenged all our ADAW clubs to write up a paragraph of so about their Field Day efforts. A few of our clubs rose to the challenge and let us know about their Field Day activities. A couple even provided a couple of pictures. For those of us who could not participate, it is wonderful living vicariously through you. Thanks for giving us a glimpse into Field Day 2023.

Hamfest Season is taking a break right now. It will start up again in September with the Show Low Amateur Radio Tailgate on September 16th. It can still be rather warm (hot) in the valley in September, so a quick trip up to cooler climes may be just what you need. Of course, a swap meet is an added bonus. Check the calendar on page 10 and the flyer for all the details.

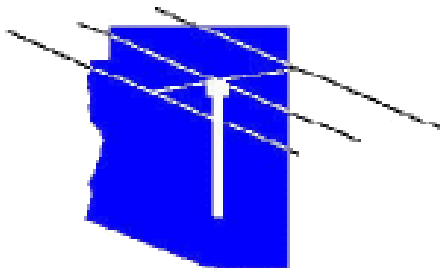
That's it from me. Stay Cool.

73,
Christine, N7PVL

ADAW

August is National
Immunization
Awareness Month





MARCA INC.

NOTICE: NEW LOCATION! Our meetings are going to be at the Denny’s Restaurant, 4403 S Rural Rd., Tempe, AZ 85282. This is the southeast corner of U.S. 60 and Rural Rd. If you’re coming from the north (or from U.S. 60), turning left at the very first traffic light AFTER those associated with U.S. 60 will get you into the southern end of the parking lot. You can then make your way to the north end where Denny’s is located. If you’re coming north on Rural Rd., say from Baseline, go past this traffic light. There’s an entrance at Denny’s from the right turn lane that would put you east bound on U.S. 60. Possibly useful “landmarks” are the bowling alley that’s east of the Denny’s in the same parking lot, and the Embassy Suites that’s on the other side of Rural Rd. We’ve reserved the meeting room at this location through November, which is to say our regular meetings for the rest of this year. (We usually have a “holiday party” in lieu of the December meeting, often combining with other clubs.)

At our June meeting, we had a test session before the regular meeting. There were five candidates who took tests, and three of them passed. Congrats to those folks! (And we hope that the others will study some more and try again!)

The meeting was basically a discussion about the Field Day plans, as well as a bit of discussion about future meetings and the possibility of having a net.

I apologize because due to personal travel, I’m having to write this even earlier than I normally do, so don’t have the exact numbers. But I can report that we had a good time at Field Day. As usual, we were running “2A.” A lot of the contacts that were made, both on HF and VHF, were FT-8.

We are planning on having “informal meetings” – that is to say, no formal presentations, just informally getting together to talk – in both July and August. We ARE planning on having test sessions (assuming that there are candidates) before our meetings.

Please check our website – www.W7MOT.org – for details on signing up for the test sessions, or to attend the meeting via Zoom. (We do encourage people to show up in person and join us for supper – it helps keep the restaurant happy!)

Clark Jones, KI7TU



The Kachina Amateur Radio Club is a 501 (c) (3) organization which has several mission objectives, to support radio communications in Northeastern Arizona including Navajo and Apache Counties and surrounding areas. This is the land of the famous Navajo code talkers whose memory we honor.

We had two locations for Field Day. Our location in Show Low had 30 people calling out. And of course, everyone was fed at noon. Ham radio operators do like to eat. At our location in Taylor, we had three operators. But they had more than 50 people stop by to learn about Amateur Radio. It was great to teach the general public about how important Amateur Radio is when there is an emergency.

We are focused on community service and providing emergency communications in the region. Additionally, we also work to advance technology and provide education and testing assisting to license new hams and provide upgrade opportunities for existing hams. The Kachina club has been asked to provide testing during the Flagstaff Hamfest on July 15, and we are pleased to offer our services as needed upon request anywhere that makes sense.

Our Brookbank site is up and running on a new antenna. We are taking steps soon to link to the Holbrook site for wide area linking coverage. More work is underway taking advantage of the great weather which has come to the mountains.

At this time, we are in stage 1 fire restrictions and hope our emergency communications services won’t be needed. However, if needed we are prepared.

To find out more about KARC, see us at www.kachinaarc.com. Come to our meetings which are held on the second Tuesday of each month, beginning at 6:30 p.m. Meetings are held at the New Hope Christian Fellowship Church at 989 Cheney Ranch Loop, Show Low, AZ.



**International Beer Day
August 6th**



For Sale / Wanted



**LOOK!
Great Deals!**

For Sale

Thanks to all that made the OVARC 2023 Field Day a success. Thanks to Darren-WB1LOV for making the EOC connections and for hanging in there for many hours. Thanks to David-AK2L for arranging all of the details in advance and for having everything ready to roll at launch time. Thanks to Logan for managing the FTDX10 acquisition and getting everything ready. Last, thanks to all those members that operated and navigated through the poor band conditions. There's a lesson in patience somewhere here.

The statewide convection oven got turned on just in time for Field Day, but we're looking ahead to getting back outside and doing some outings when the cooler weather returns. We are well equipped for outings now, so keep watching the OVARC calendar for announcements.

Our November Hamfest is not too far off. Please save the date on your calendar and plan to attend this year. The Hamfest falls exactly on Veteran's Day, November 11th. Keep checking the OVARC website for more details. If you have attended in the past, it's in the same exact location. If you have any questions, please send me an e-mail at hamfest@tucsonhamradio.org.

We have been working closely with the University of Arizona amateur radio club, K7UAZ. We are planning to help students and the club in general in this upcoming academic year.

We are also waiting for the fall semester to start at Pima Community College so that we can get this club up and running.

A special thank you to Walt - AL7KE for enlightening us about ChatGPT. We now have our own version known as WaltGPT. Thank you Walt!

Keep cool and circle the OVARC Hamfest date on your calendar.

73, Steve - W1SR

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

ADAW



August 19th

ADAW

Hamfest Calendar

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. Free 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.

7 October 2023 (**New Date!**) - **Tucson Area Harvest Ham(fest)** - 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. For more information, visit the web site at <http://www.k7rst.club>.

7 October 2023 - **TARA Ham Swapfest** - hosted by the Tonto Amateur Radio Society will be held in the parking lot of Ponderosa Bible Church, 1800 N Beeline Highway in Payson. Hours are 8:00 AM until 12:00 Noon. Free Admission and Parking. Sellers - \$5.00 per parking space. Set up begins at 7:00 AM, selling at 8:00 AM. VE session will be held indoors at 9:00 AM. Talk In - 147.39MHz - 100 HZ PL. Visit the web site at <https://n7tar.org/> or contact Bruce Johnson, N7DDT at 623-533-1774 (email: injectionresource@gmail.com) for more information.

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 will be held at Mesa Community College, 1833 W Southern Avenue in Mesa. Hours are 7:00 AM to 2:00 PM. Grand Prizes. Expected Activities Include: Presentations, VE Testing, Hourly Drawings, Tailgating, Commercial Vendors, Club Booths and Musical Entertainment by KD8PC. Watch for details. Contact Chairperson Sharon Newman-Matt at kf7jtk@superstitionarc.org for more information.

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.

ADAW



National Aviation Day
August 19th



The Thunderbird Amateur Radio Club's 2023 Field Day was held at Jack's NT7MM cabin Northeast of Flagstaff, AZ. Bruce WB7SRC was the coordinator for this year's event. This year we used the TBARC callsign W7TBC, Class 4E Emergency, Solar, and Battery Power.

We descended on the site Friday morning and set up 2 10 – 80MEFD, 1 10-80M Carolina Windom, 1 10-40M OCFD, and a 6-M beam. Friday afternoon, we tried starting the 6KW Generator; we had it running after some new gas and starter fluid. Next up was setting up the radio stations on Friday night and Saturday morning. Digital Station was a Flex 6600M, CW station Flex 6500, Phone Flex 6400, and 6M 7 10M HF was an ICOM 7610. All were online by 10:00 AM. Software, networking, and logging were set up, and we were ready to start the event. The 2023 operators are: NT7MM, KC0GU, K7DD, K7TEJ, N9AV, WK7B, KG7COA, KK7DCR, KD7ETQ, WB7SRC, N7VBN, KG7KRN, AF7K, KI7DUV and NJ8G. We when live at 11:00 AM Saturday and ran continually to 10:59 AM Sunday. Total QSOs CW 122, Digital 658, and Phone 46 for QSO point score of 1608. Then when we added the power multiplier, media, and educational activity, our final claimed score was 3,862. Overall, it was a successful weekend with lots of radio time, ham radio discussion, and working with new club members. With a special thanks to the men and women of TBARC for great food. We are all looking forward to 2024 FD.

On Saturday, June 24, the Thunderbird Amateur Radio Club awarded Jack Lunsford NT7MM an Honorary Lifetime Membership Award, in appreciation of his many years of dedicated service to TBARC. He has been the Past President, Member of the Board of Directors, Chair of the TBARC ECOMM group, ARRL TBARC VE coordinator, education chair, and many other unnamed roles he has played over his years of membership in TBARC. Finally, allowing TBARC to overrun his cabin for ARRL Field Day and the AZ QSO Party over many years.



THANK YOU, Jack NT7MM.

The Arizona Amateur Radio Club took part in Field Day on June 24 and 25 at the EOC of the American Red Cross in Phoenix. Two stations were used, one on CW and Digital, and the other on SSB. W7WSV operated the CW/Digital station and K7GH operated the SSB station. Each station was operated for several hours using its solar-charged battery. We made 152 contacts, 82 on CW, 18 Digital, 52 SSB. We tried to make a satellite contact, but were unsuccessful (too many tall buildings nearby).

There were five participants plus quite a few visitors. We had one family of six with two of the daughters already licensed, but not on the air yet. Since we had a VE Test Session at 10:00 AM, just before the start of Field Day at 11:00 AM, several from the session stopped by to see us making contacts.

For anybody wanting to take an exam, our next session is July 29. Preregister by contacting Gary Hamman, ghamman@aol.com, before the Thursday prior to the exam.

73,

Lori Cripps, WA7EDI



ADAW

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.

August Test Sessions

Aug 5th - 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/

Aug 5th - Yavapai ARC -- 9:00 AM
Jeep Posse Bldg in Pioneer Park, 1200 Commerce Dr, Prescott
Contact - Donald Bauer 928.775.4690
Pre-Register online: www.w7yrc.org

Aug 5th - Kachina ARC -- 9:00 AM
Taylor/Snowflake Fire Dept, 425 Papermill Rd, Taylor
Contact Vincent Cattolica 520.591.4576

Aug 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

Aug 14th - 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

Aug 14th - Radio Society of Tucson -- 7:00 PM
Immanuel Presbyterian Church, Witherspoon Hall
252 E 22nd St, Tucson
Contact - Diane Zimmerman 520.664.5070

Aug 15th - HARK -- 2:00 PM
Congress, 30736 S Wandering Way, Congress
Contact - Duane Grooms 602.814.9603
No Walk-Ins / Register or Call Ahead

Aug 15th - MARCA ARC -- 5:00 PM
Denny's, 4403 S Rural Rd, Tempe
Contact - Ray Vasquez 480.696.1581
MUST obtain FRN prior to exam - \$15.00 Exam Fee Cash Only

Aug 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

Aug 18th - Oro Valley ARC -- 5:30 PM
Pima Community College, 7600 N Shannon Rd,
Bldg A, Rm 208, Tucson
Contact - David Beauschesne 831.345.3308

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

Aug 19th - 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

Aug 26th - 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



ADAW



AMATEUR RADIO SERVICE DEMONSTRATION STATION

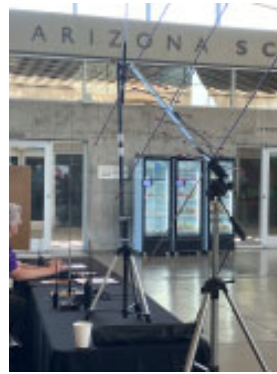
W7ASC is a Demonstration Station for the Amateur Radio (public) Service. The Volunteers who operate the station are members of the Center for Amateur Radio Learning (C.A.R.L.), a 501(c)(3) corporation. The Harkins Ham Shack is open to all who visit Arizona Science Center (ASC) during those hours when 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 manned by our volunteer staff who are typically in the shack until 2:00p.m. You can also learn more about CARL by searching our W7ASC callsign on QRZ.com . Our Twitter feed can be accessed at twitter.com/w7asc_arc . We hope to have our web page back up shortly.

Field Day at the Arizona Science Center and W7ASC

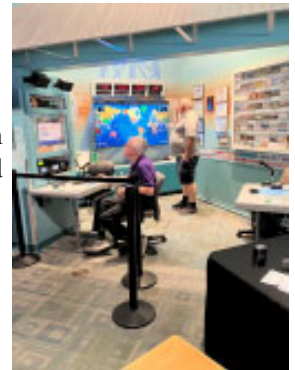
Amateur Radio Field Day is a day where amateur operators gather to enjoy fellowship with other hams. It is traditionally held in an outdoor setting, but Phoenix weather is pretty inhospitable at the end of June. This means hams need a place to meet up with air conditioning! To this end, the Arizona Science Center graciously offered free admission to licensed hams on Field Day. This offer was shared among our community through ham radio groups throughout the state of AZ with the help of ARCA and the AZ ARRL Section Manager. Approximately 20 hams took advantage of this offer and visited the recently improved W7ASC ham shack for Field Day. The Center for Amateur Radio Learning (CARL) sincerely wishes to thank these visitors for taking their time to stop by and visit with us.

Field Day is also an annual exercise where radio enthusiasts are encouraged to demonstrate and share the hobby with the general, non-ham public. Jack KD7ROB created a display with a tripod mounted satellite antenna and small low power radio equipment. It was set up prominently by the entrance to the lobby and it gathered a lot of attention from visitors as they entered the Arizona Science Center. Over 70 visitors learned how to code their names in Morse Code at both the lobby display and at our station on the third floor of the Arizona Science Center. Additionally, five visitors were able to get on the air.



Jack KD7ROB's Field Day Display at the entrance to the main lobby of the Arizona Science Center.

The W7ASC amateur radio station actively operated to make 40 Field Day contacts utilizing both phone and digital modes. As ham satellite orbits over the southwestern US allowed, Rusty WA8ZID demonstrated W7ASC's satellite communications capability and made several contacts via amateur radio satellites. Other CARL volunteers participating in our 2023 Field Day effort were Jerry K1GJQ, Tom AD7PM and Sam N7INV.



Rusty WA8ZID operating FT8 in W7ASC's east side station on Field Day.

Station Upgrades Continue

A CARL meeting was held on the 10th of June. Funds were approved to purchase a couple of notable upgrades for the W7ASC station since our last report.

First, a Yaesu FTM6000R VHF/UHF FM dual bander is now installed in the west station. Rusty programmed it with repeaters located within a 70-mile radius of the Harkins Ham Shack. We plan to be getting more of our visitors on the air via the local repeaters!

Paul KI7LW installed a new, faster PC and monitor in our east station position. He and Rusty have installed a bit of software. Now the effort is to get the new computer configured correctly for HRD, digital modes, logging, networking, multi-monitor displays, and satellite control functions.

If you want to share your love of amateur radio with our interested and inquisitive visitors at the Arizona Science Center, please join the Center for Amateur Radio Learning as a volunteer at W7ASC by contacting Jack KD7ROB at jacklandon17@gmail.com .

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





Public Service Calendar

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Flag2GC MT Bike Ride	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.

ADAW

NADXA Continued from Previous Column

Route 66 On the Air – Sep 8 – 17, 2023

NADXA will be operating 3 of the 21 stations along the old Route 66 between Chicago, IL and Santa Monica, CA. We will have the club trailer in full operation using the newly installed solar powered LiFePo4 batteries to drive all three stations operating CW, SSB and FT8. Come out and join in the fun as W6T operates from Bellemont and Parks, AZ. Complete information will be posted on QRZ W6T



GOODWILL
 We have recently worked with the students at Seligman school and Scouts promoting Ham Radio to them and encouraging their participation. We also offer VE testing each quarter and assist the Marine Charities “Toys for Tots” each year.

NADXA - Northern Arizona DX Association is a club that promotes DXing, contesting, special events and furthering the goodwill of amateur radio. We have been around since 1985 but are new to ADAW. Watch here each month as we expand the reporting on what we do and how you can get in on the fun. If you are interested in joining our club, please follow this link [join the nadxa](http://jointhenadxa.com). We have a fantastic web page at NADXA.com. Check it out. Some of our scheduled events are listed below.

DX IS This section will be dedicated to DX. Information, techniques and lots of hints on where, when, and how to DX. Keep an eye on this “spot.”

CONTESTING

Watch here for information on the upcoming major contests and information on some of the minor, but fun, contests we participate in. Members can submit their scores and get counted twice. It is like double dipping but on the up and up.

SPECIAL EVENTS

Field Day June 24 – 25.

We set up our club trailer in the parking lot of the east side, Flagstaff, Home Depot. It was FUN FUN FUN. Watch here next month for our results.



Flagstaff Hamfest –

July 15, 2023.

Yes we brought it back to Flagstaff. By the time you read this it will be over and we will have given away PRIZES GALORE FOR COMING THROUGH THE DOOR - well over \$4,000 in door prizes just for coming in. Planning for next year is starting and if you would like to be in on the ground floor, please contact Mike President@NADXA.com and stay tuned here for more information



Continued Next Column



Membership - <https://www.w7ara.org/rcu/welcome.aspx>
Membership info is located at <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 completed two trips recently.

Pinal Peak became operational as an ARA site in July 2000.

On 5-27-2023, Dennis AE7WU, Joe AE7JG, Mike K7MBK, Patrick KI4NSF, and John K7LKL, traveled to Pinal Peak to investigate and restore, if possible, the link to Mt Ord.

Upon arrival they found a broken 6-element yagi and a broken top stay on the ground. This was the result of last winter ice and winds. The team also saw that the top stay and mid stay on the 147.200 antenna were cracked and sitting at an angle.

The climbers, Mike Montalvo and Joe Godfrey installed a new 420 MHz yagi antenna for the Ord link. They also replaced the cracked top stay with a piece from the ground. Rimlink was restored after completion of their work.

A future visit will be needed to replace three antenna stays and reinforce a portion of the 147.200 before winter.

Mount Elden became operational as an ARA site in June 1996.

The tech committee visited Mt Elden on Sunday, 7-2-2023. This was the initial installation visit for the new Utah link.

Participants were AE7WU, AK7F, N7ELL, K7LKL, KE7DGP, KI7FHA, KF7MBK, N9VJW, and W7STS.

The climbers, Mike Montalvo and Marty Dusenberry, installed a new Yagi pointed at Towers Mountain. The antenna was tested by VNA sweep and by talking through it on the link radio frequency proved it successful. Tower crew left after the antenna was tested.

Inside, the team installed a new rack, mounted an additional RLC3, card cage, and two radio trays. Power was wired to the new RLC3 and card cage. Serial port connections from an on-

ARA Continued from Previous Column

site computer and both RLC3's, were verified. Final checks before leaving the site found all radios functional.

Please note that the Utah link remains down. Navajo is currently off link, as are a few of the sites on the Utah Intermountain Intertie system. Work is planned in late July to make Navajo operational again.

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

ARA History

- Aug 1980 Mt. Ord An 80' Monopole tower begins installation. The new 10'x15' building is ready for inspection by the US Forest Service.
- Aug 1981 – ARA board approves the purchase of a storm proof Super Station Master antenna for Mount Ord.
- Aug 1998 - Lance Halle receives plaques from ARRL for outstanding volunteer of the year and from the FCC for his work on a difficult interference case.
- Aug 2000 – ARA completes purchase of Pinal peak site.
- Aug 2002 – ARA VHF repeater is now officially coordinated as a “Portable” repeater.
- Aug 14, 2003 – Power blackout struck Northeastern states. Amateur radio activated to support multiple organizations with varying needs.

ARA UPDATE Repeater Frequency lists

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

ARA UPDATED Repeater Maps

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

ADAW



Continued Next Column



General Meeting Tuesday, August 15, at 7:00 PM

Please see Page 3 of this issue for the address and related information. Visitors are always welcome to attend our meetings.

Superstition SuperFest is Saturday, Dec 2, 2023 at MCC

Put on by the Superstition ARC, this is an annual First-Saturday event every December.

We do have a website, but it has taken months for our commercial web designer to get it launched. SuperstitionSuperFest.org is set up to redirect to superfest.superstitionarc.org, but as of July 14, there is nothing to see but a longstanding promise to launch soon.

This Report Shorter Than Planned

Had I not been ill for the majority of the time normally used to prepare this report, I would have put more details and pictures in here from our Field Day report in the July Communicator. Fortunately, my health has improved and I can dash off a report this month! This club has never been listed at the “No Report” section of ADAW yet! I am writing at deadline.

ARRL Field Day

There is a great report in the July Communicator from Lost Eden, a private property above the Rim in the forests of north-central Arizona.

On SSB on 3.5, 7, 14, and 21 MHz, we pulled 290 QSOs and points. CW points were double the number of QSOs, at 154 QSOs on 7 MHz and 302 QSOs on 14 MHz, for a total of 456 QSOs and 912 points.

Our overall totals were for both modes, 746 Qs and 1202 Points. The final preliminary score was 2404.

Brian W7JET shot a CCD antenna into the trees for use on CW. He and Charlie, NJ7V were our CW team.

According to page 50 of the July 1981 issue of 73 Magazine, in an article named, *The CCD Antenna – Another Look*, Ohio State University Professor Arthur Endman W8VWX volunteered some enthusiastic comments about the Controlled-Current Distribution antenna. With an inverted dipole, he only got answers from S9 DX stations with return reports of S4 to S5. He got no answers to CQ DX. After replacing the dipole with a CCD on the same 300-ohm twin lead and tuner, he started working DX that he could barely hear, had DX answer regular CQ calls, and was fifth to tenth in large pileups.

Forty-five people participated in this year’s Field Day event.

Superstition Continued from Previous Column

N1MM logging software was networked together via a WiFi installation among the three stations that were powered by battery and solar.

Club to Install a 64-Foot Tower at Lost Eden

Property owner Mike contributed a spot for a new tower on his property. He will dig the foundation. This club-owned tower will be used for boosting cellular service on the property, plus provide amateur antennas for communication back into the Valley when the club uses it for Field Day. No fixed antennas on the tower will be used for Field Day QSOs.

If comes the day that the property is sold, the club can take its tower down before a new owner takes possession of the property.

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 July 27th. The Communicator will publish to club members in early August.

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

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

Superstition ARC Repeaters

Output	CTCSS	Links To	Mode
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

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.

No Reports Received



CHAPTER 16
BARRY M. GOLDWATER ARIZONA 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



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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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FTM-500DR | C4FM/FM 144/430MHz Dual Band Xcvr

- Front Firing Acoustically Enhanced Speaker System • True Dual Band Operation, C4FM/C4FM Digital D-D Dual Receive • 2.4" High-Resolution Full-Color Touch Panel Display • Built-in High Precision GPS Receiver • Wireless Operation Capability with Optional Bluetooth® Headset

FT-70DR 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

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