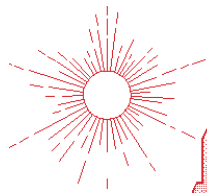


ADAW

10498 Monserrate St
Elk Grove, CA 95757-1765



ADAW

Arizona Desert Aire Waves

Vol 48 No 12 December 2023

CLUB MEETING SCHEDULE

SARC

Dec 6th - 6:00 PM
Scottsdale Elks Lodge

AARC

Dec 14th - 12:00 PM
Papago Park

AzRCCC

Dec 14th - 7:00 PM
Papago Park

AMO

Dec 14th - 7:00 PM
Charles K Luster Bldg

SuperstitionARC

Dec 13th - 6:30 PM
Golden Corral - Gilbert

CHRC

Dec 16th - 1:00 PM
Spaghetti Factory - Chandler

ANSR

Dec 21st - 7:30 PM
via GoToMeeting

KARC

Dec 12th - 6:30 PM
New Hope Christian Fellowship

OVARC

Dec 15th - 7:00 PM
Pima Comm. College, NW Campus

NADXA

Dec 5th - 6:00 PM
Via Zoom

YARC

Dec 7th - 7:00 PM
Prescott Rodeo Grounds

TBARC

Dec 21st - 7:00 PM
Arizona Christian University

ATN (VOAR)

Postponed
www.whereby.com/atn1

QCWA-AZ Chapter

TBD
Various

CADXA

Dec 16th - 7:00 PM
Anniversary Banquet

ARA

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

CARL

TBD
Arizona Science Center

SunLife ARC

Every Monday - 10:00 AM
Via Zoom

MARCA

Dec 6th - 6:00 PM
Scottsdale Elks Lodge

MARA

Dec 2nd - 9:30 AM
Maricopa Public Library

WVARC

Dec 4th - 7:00 PM
Shepherd of the Desert
Lutheran Church/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	bmclean1@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	928.308.1164
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 Raczynski	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 Woven	KG7NSP	kg7nsp@superstitionarc.org

Superstition ARC, 5155 E Eagle Dr #21522, Mesa, AZ 85277.
Web Sites: SuperstitionARC.org & superfest.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. Vistors 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.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	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.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	Byron Wilkinson	KK7BFL	kk7bfl@w7yrc.org
	Debbie Kolman	KD7COM	kd7com@w7yrc.org
	Mike Schnell	NC7X	nc7x@w7yrc.org
	Ron Shimek	W7WWB	w7wwb@w7yrc.org
Past President	John Snedden	KT7P	kt7p@w7yrc.org

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.nadxa.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	KA2KHF	
Vice-President	Josh Cavender	KE7WIL	
Secretary	Lee Ann Ciccone	KJ7AZR	
Treasurer	Bob Conlin	KJ7JNR	tallbob14@gmail.com
Board Member:	Bob Runke	AB7RR	
	Mike Stevens	K7BLT	
	Larry Johnson	W07C	
	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

ADAW

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. **Board Meetings** are held the second Monday of each month on Zoom at 7:00 PM until approx. 9:00 PM. **General Meetings** are the **THIRD MONDAY** of each month at the Charles K. Luster Building, 640 N Mesa Drive in Mesa (a half mile north of W University Drive, west side of N Mesa Drive) and on Zoom. Doors open at 6:30; meetings are 7:00 PM until approx. 9:00 PM. **AMO Weekly Nets** are held the other Mondays at 7:00 PM on Zoom. If you need the Zoom link, please contact the AMO President at least 2 hours before the meeting at president@arizonamesh.org.

President:	Gary Hinton, AC7R	president@arizonamesh.org
Vice-President	Steve Estes, KB7KWK	vicepresident@arizonamesh.org
Treasurer:	Scott Gillins, W2KP	treasurer@arizonamesh.org
Secretary:		secretary@arizonamesh.org
Board of Directors		
	Tom Cloonan, NL7FQ	nl7fq@arizonamesh.org
	Michael Bailey, KI7LXY	ki7lxy@arizonamesh.org
	Charles Whitlatch, W7VF	wyvf@arizonamesh.org
	Bob Howard, W8RH	w8rh@arizonamesh.org
	Rod Fritz, WB9KMO	wb9kmo@arizonamesh.org

Web Site: <https://arizonamesh.org/> Email: info@arizonamesh.org
DUES: \$25.00 per year. Membership year runs January 1 - December 31.

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.

ADAW Staff

PUBLISHER / MANAGING EDITOR

Christine Kesauer N7PVL 602.843.0960

AARCEDITOR

Lori Cripps WA7EDI 602.955.7517

AMOEDITOR

Robert Fridel N3BZ 610.577.6907

ANSREEDITOR

Steve Miller W6SDM 602.290.1603

AOCCEEDITOR

Mike Fulcher KC7V 480.522.4332

ARAEDITOR

Joe Bakas KE7WHE adaweditor@w7ara.net

AzRCCCEEDITOR

Charlie Zurenko N2TFS chazur@icloud.com

ATNEEDITOR

Rod Fritz WB9KMO wb9kmo@gmail.com

CADXAEDITOR

John Jolly N7NWL wa7nwl@gmail.com

CARLEEDITOR

Sam Marshall N7INV pd1stl@aol.com

CHRCEDITOR

Debbi Smith KJ7MIQ kj7miq@gmail.com

KARCEEDITOR

Bobbie Mills KA7MIZ ka7miz@dmham.com

MARAEEDITOR

Cary Gielniak K7CFG cary.gielniak@gmail.com

MARCAEDITOR

Clark Jones KI7TU ki7tu@cox.net

MMRGEDITOR

Lori Cripps WA7EDI 602.955.7517

NADXAEDITOR

Ron Gerlak KG7OH 480.356.3663

OVARCEEDITOR

Steve Wood W1SR nauset2222@yahoo.com

QCWAEDITOR

Carl Foster KB7AZ carlfoster@cactuscomm.net

SARCEEDITOR

Gene Geller K0VN 612.670.9358

SunlifeEDITOR

Judy Ferrara K7JLF k7jlf@yahoo.com

SuperstitionARCEEDITOR

Larry Kuck WB7C editor@us60.us

TBARCEEDITOR

Mark Heroux N1MAE n1mae@arrl.net

WVARCEEDITOR

Bob Conlin KJ7JNR tallbob14@gmail.com

YARCEEDITOR

Don Bauer WB7TPH dbauer2250@aol.com

ADAWEMAIL

adaw@adaw.org

ADAWWEBSITE

www.adaw.org



Don't forget the Superstition Superfest on December 2nd. It's being held at Mesa Community College again this year and promises to be bigger and better than last year. Check the Hamfest Calendar and flyer file for more information. Don't miss it.

The Thunderbird Amateur Radio Club hamfest follows on January 13th at Haven Church in Glendale. This is a great event and an excellent opportunity to get those items that Santa forgot. Check the Hamfest Calendar and flyers file for all the details.

Have a very Happy Holiday season!

73,
Christine, N7PVL

ADAW



The *Arizona Desert Aire Waves* is published monthly and is the official news media of the sponsoring clubs. All news items, articles and inquiries 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 AD-4W. ALL RIGHTS RESERVED. **Deadline is 10th of the month**



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

As expected, some contests have experienced solar storms, disruptions, and poor propagation. This happened the 2nd day of the ARRL Sweepstakes CW contest. On Sunday, the K index went to 7 with an A index over 50. It was a struggle making many contacts. We have great days in there too that makes up for it. Contest season is going strong and many of you are posting some nice scores. Keep up the good work.

On the sad side, we lost a couple of guys recently many of you knew – Mike Bill N7MB and Monty Rodgers N7CIX.

We are looking to make the ladder easier to manage. We will be cutting some of the lesser used awards. In lieu of raising dues, we are cutting costs out of the budget. As you know, just about everything has gone up in cost the past year.

Please start thinking about holding a position on the AOCC board. John, N1JM, replaced Larry KE2VB, as secretary treasurer. We thank Larry for the tremendous job he has done over the years, and thanks to John for stepping up.

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/>.

AOCC Continued from Previous Column

Contest Tip this month – Coax.

The use of good coax will limit loss to your antennas. When is the last time you checked your coax and connectors? Are you using a good choke balun on your antennas? Hardline is not necessary for HF but better quality coax, like LMR400 for example, will help out. Cutting losses in your system will result in a better signal.

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

AOCC accomplishments –

AOCC Finishes #6 USA in 2023 CQWPX (SSB+CW)

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

73,
Mike KC7V

ADAW



Continued Next Column

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.

December Test Sessions

Dec 2nd - Chandler Ham Radio Club -- 10:00 AM

Tri-City Baptist Church, 2211 Germann Rd, Chandler
Bldg D, Room 170

Contact - Byon Garraibrant ve@chandlerhams.org

Walk-Ins Allowed / Registration or Call Ahead

Register at: chandlerhams.org/testing/

Dec 2nd - MCC ARC K7CC & East Valley VE Group -- 10:00 AM

Mesa Community College Bldg TC50, 1833 W Southern Ave, Mesa

Contact - Ray Vasquez 602.363.4207

Dec 2nd - 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

Dec 2nd - Yavapai ARC -- 9:00 AM

Jeep Posse Bldg in Pioneer Park, 1200 Commerce Dr, Prescott

Contact - Donald Bauer 928.775.4690

Pre-Reg online at www.w7yrc.org (Click on License Tests)

Dec 2nd - Kachina ARC -- 9:00 AM

Taylor/Snowflake Fire Dept, 425 Papermill Rd, Taylor

Contact Vincent Cattolica 520.591.4576

Dec 11th - 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

Dec 11th - Radio Society of Tucson -- 7:00 PM

Immanuel Presbyterian Church, Witherspoon Hall
252 E 22nd St, Tucson

Contact - Diane Zimmerman 520.664.5070

Dec 13th - 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

Dec 11th - Unsponsored -- 1:00 PM

Kingman Regional Medical Ctr, Stockton Hill Rd & Beverly,
Challe Room, Kingman

Contact - Jack Gunnoe 928.530.4745

Dec 19th - HARK -- 2:00 PM

Congress, 30736 S Wandering Way, Congress

Contact - Duane Grooms 602.814.9603

No Walk-Ins / Register or Call Ahead

Dec 30th - 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



Hamfest Calendar

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. General Admission - \$5.00 per person Children 12 and under Free. Vendor & Tailgate Spaces \$10.00 for 2 spaces. Premium Reserved Spaces - \$15.00/2 spaces. Vendor Set up Friday 6:00 PM to Midnight - Saturday :5:00 AM. Grand Prizes, Hourly Drawings, GOTA Station, Fox Hunt, Amateur Radio Presentations, Live 60s & 70s Music, Food Truck. VE Testing - Registration 8:00 - 9:00 AM - Fee \$15.00. Visit Web Site at <https://superfest.superstitionarc.org/> 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 7 miles south of Quartzsite. A full week of ham radio activities, seminars, off-road rides, swap meet, and flea market shopping. Totally Free! Check the web site at www.quartzfest.org for details.

17 February 2024 - **WVARC Ham Radio Swapfest-Tailgate** - hosted by the West Valley Amateur Radio Club will be held at the Shepherd of the Desert Lutheran Church South Parking Lot, 11025 N 111th Avenue in Sun City. No Charge for Buyers & Lookers. \$10.00 per space for sellers - \$15.00 per space for Vendors. All items sold "As Is." Only leashed pets permitted. No Guns, Drugs, Alcohol or Fireworks. Contact: Rolf, KG0KM at 715.828.8860 or email: bignorsk@hotmail.com for more information.

24 February 2024 - **GVARC Hamfest** - hosted by the Green Valley Amateur Radio Club will be held at Valley Presbyterian Church, 2800 S Camino Del Sol in Green Valley. Hours are 7:00 AM until noon. Free Admission. \$5.00 per table with fee going to the Valley Presbyterian Church. Bring your own table, Chairs & Canopy. Refreshments Available. Visit the web site at www.gvarc.us for more.

16 March 2024 - **Scottsdale SpringFest** - hosted by the Scottsdale Amateur Radio Club will be held in the Fender Parking Lot, 17705 N Pacesetter Way in Scottsdale. Gates open to Public at 7:00 AM. Vendor Set up at 6:00 AM. Admission \$5.00 per person. Vendor Spaces - \$20.00 for 2 Parking Spaces - (Enter at 17700 N Perimeter Drive). Raffle Prizes, Hourly Drawings, Refreshments. Talk-In: 147.180+ PL162.2/440+ PL100/443.575+ PL100 South Mountain. For More info visit <http://www.scottsdalearc.org> or contact Bill or James at hamfest@scottsdalearc.org.

30 March 2024 - **Hamfest and Electronics Swap** at DeVry - hosted by the Arizona Amateur Radio Club and K7ARC AZ Red Cross Communication Club will be held at DeVry Institute, 2149 W Dunlap in Phoenix. Watch for more details.

6 April 2024 - **Tucson Spring Hamfest** - hosted by the Radio Society of Tucson will be held at Calvary Tucson Church, 8711 E Speedway in Tucson. Hours are 7:00 AM - 11:00 AM with seller set up starting at 6:00 AM. Admission and Parking are Free. Seller/Vendor spaces are \$10.00 per parking space. Seller spaces are shaded. Morning snacks provided by Scout Troop 157 and Pack 705. For map and moring information, visit the web site at <http://www.k7rst.org>

20 April 2024 - **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

July 2024 - **Flagstaff Hamfest** - hosted by the Northern Arizona DX Association. Grand Prizes, Hourly Prize Drawings, Tailgating, Lunch On-Site, Presentations, Inside Vendors, VE Exams, 2-Meter Talk-In. Watch for more details. For more information, visit the website at FlagstaffHamfest.org or NADXA.com/Events/Hamfest.org. Or send an email to: President@NADXA.com

ADAW



MARCA INC.

Please be sure to ALWAYS check our website www.w7mot.org for updates to meeting places AND dates! Due to the publication deadlines, I'm writing this before our November meeting, and to accommodate a scheduling issue with our speaker, we've had to move the meeting up a week. Unfortunately, that will be "history" by the time you're reading this!

Our meetings are normally the third Tuesday of the month and everyone is welcome to join us. We meet at Denny's Restaurant, 4403 S Rural Rd, Tempe, AZ 85282 which is at the southeast corner of Rural Rd and U.S. 60. Or see our website for attending via Zoom. The meeting begins at 6:30 PM, MST. However, for the December meeting we'll be continuing our tradition of joining with the Scottsdale Amateur Radio Club for a Holiday Dinner. Unfortunately, by the time you read this, the deadline for signing up to attend will have passed.

For the October meeting, our speaker was John Portune, W6NBC, who spoke on "Cavities and Duplexers," and talked about "home brewing" cavity resonators. He also talked about how duplexers work, and how they are different from diplexers. It was a very interesting talk, and worked well even though he spoke to us via Zoom.

There were 12 people in attendance in person at the October meeting, besides two via Zoom.

We held an exam session before the October meeting, with three candidates. One of them passed the Technician exam, and the other two upgraded to Amateur Extra class.

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

Clark Jones, KI7TU



December 23rd



We are deeply saddened by the passing of Andreas – W1IXQ. Andreas was in a freeway incident not far from his home. Amateur radio was his life. Although he has not been a ham for very long, Andreas made so many friends in the hobby. His friendships were not just local, as he knew many others from his visits to various clubs. We will miss his spirit at our meetings, his many conversations on the air and his friendliness to so many.

Services for Andreas are being formulated and will likely be on our website once they are available.

By the time you read this, the November OVARC Hamfest will be history. We are hoping for nice weather and lots of satisfied hams.

Thanks to the efforts of so many, we enjoyed a great outing on Saturday, October 28th. The weather was very cooperative and we had about six stations in the air during the CQ WW Contest. Even for those that didn't operate, it's great just chatting with everyone. Thanks to all.

Many thanks to Gerry – KK7HTF for continuing to drive the efforts with Pima Community College. We are hoping to get things moving ahead and getting a club station set up.

OVARC will be participating in the SARSEF Adventure event on November 17th. This event caters to prospective STEM students and will feature many science-related exhibits. In addition to meeting students and showing them amateur radio, it's a great opportunity to get outdoors and play radio for a few hours.

Our Sunday Evening net keeps gaining popularity. Thanks to Ralph - KC7QXD, Paul - KI7HLO and Gerry - KK7HTF for becoming net control stations. This really helps us share the burden.

Welcome to Tom Seidenkranz – KK7OVM. Tom has jumped in and connected OVARC to local scouting groups. Thank you Tom.

Thanks to all of our members for helping OVARC qualify as a Special Service Club. We were recently recognized by the ARRL for our service.

Happy Thanksgiving to ALL!

73, Steve – W1SR



The **NORTHERN ARIZONA DX ASSOCIATION** is a DX club and so much more. We participate in contests, special events, good will projects and we host the Flagstaff Hanfest. Our monthly meetings are on the first Tuesday of the month, at 6 p.m. MST. We use Zoom for our regular meeting and we also have a casual weekly rag chew on ZOOM at 9 a.m. every Wednesday where we talk about club projects, equipment, problems or whatever. Everyone is welcome to attend. Just e-mail president@nadxa.com for the Zoom links. We would really enjoy having you join us!

For more details check out our club website <https://www.nadxa.com/>.



DX IS

December will be a good month for DX and these stations are planning to be on the air.

You can find more info on these and other “Announced DX Operations” at:

<https://www.ng3k.com/misc/adxo.html>.

START	END	QTH	CALL
2023 Nov23	2023 Dec06	Sierre Leone	9L5M
2023 Nov24	2023 Dec05	Tanzania	5H3FM
2023 Nov24	2023 Dec05	Sierra Leone	9L5M
2023 Nov26	2023 Dec08	St Martin	TO9W
2023 Nov29	2023 Dec07	Cocos (Keeling) I	VK9XY
2023 Nov30	2023 Dec09	Vietnam	3W9C
2023 Dec04	2023 Dec12	British Virgin Is	
VP2VMM			
2023 Dec04	2023 Dec16	Micronesia	V6EU
2023 Dec06	2023 Dec19	Burkina Faso	XT2AW
2023 Dec07	2023 Dec14	Surinam	PZ5NH
2023 Dec26	2024 Jan05	St Vincent & Grenadines	J87TT
2023 Dec27	2024 Jan06	Rodrigues I	3B9AT

NADXA Continued Previous Column

SPECIAL EVENTS

The **NORTHERN ARIZONA DX ASSOCIATION** is at it again. We will be sponsoring the Distance Challenge at Quartzfest for our fifth year. This event is FREE. The entrance to the event, the full week of camping, the Distance Challenge, the drawings, the door prizes – yes, it is all free.

Quartzfest 2024 is held on BLM land on SR95 about 5 miles south of Quartzite, AZ on January 21 – 27, 2024. See their flyer in the hamfest flyer section on this newsletter or visit their website at: <https://quartzfest.org/>.

The NADXA Communications trailer will be set up with three complete stations available for visitors to operate as W7Q, using SSB, CW or FT8 on any band 10 - 80 meters and enter the Distance Challenge. If you are a seasoned ham come on out and operate the W7Q special event station or if you are new to HF – this is the place to get some pointers. The antennas available will be a tri-bander, EFHW and the new SteppIR Inc. “PreppIR”. The PreppIR dipole antenna, valued at \$1,865, is new to the SteppIR product line and will be given away to the lucky drawing winner. We will take **ALL the DC entries** and have a drawing at the closing ceremonies and someone will win that QuartzFest field tested antenna. **That is exciting!** The winner must be present at the closing ceremony and if a ticket is called and no one claims it, we will continue to draw entry names until it is won. Yes, you can only enter the Distance Challenge and the FREE drawing for the SteppIR antenna if you attend Quartzfest. This event has so much to offer.

The Distance Challenge https://nadxa.com/activities_qfdc-24-announcement.html (Jan 22, 23 & 25, 2024) will have four categories with prizes awarded to the first place and runner-up in each category. Winners will each receive a special recognition hat and other prizes. To kick off the Challenge, **BIOENNO** has donated 4 batteries and chargers valued at \$160 each to be given away to the longest distance contact made (one for each entry class) on the first day, the **Bioenno Distance Challenge Day**, of the 3 day DC event. That is an extra \$650 in prizes on day one (Monday Jan 22nd) of the Challenge. All the information for the Distance Challenge is on our club website at www.nadxa.com.

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Continued on Page 13



Greetings from the halfway point! You know, halfway between Phoenix and Flagstaff, A.K.A. the short skip if you are on the HF bands. Our Fall season is in full swing with the cool nights, sunny days and colorful hill sides and mountains. POTA's and SOTA's are hitting the peaks and parks that will soon be snowbound and closed until the Spring thaw.

At the November meeting, YARC presented several awards to very deserving members. It was good to see all the Past Presidents, going back almost twenty years, in attendance. Each was presented a YARC name/call badge with "Past President" and the years they were in office on the badge along with a certificate of appreciation. You know you are doing something right when most of them are still active in the club! Several of the awards are kept secret from the recipients until the actual award is given. It is pretty amazing how a group of communicators, who talk to each other all the time, can keep secrets amongst themselves.

The Lloyd Halgunseth Memorial Public Service Award went to a very deserving HAM, Don Sears, N7PLL. In addition to being one of the Emergency Coordinators for ARES/RACES, Don is the coordinator for three of YARC's bigger events each year, the Whiskey Basin Trail Run, the Chino Grinder, and the Prescott Road Rally. The WBTR has an interesting history with Don going back to the 2020, 2021, and 2022 events. In short, the 2023 event was the only one that went off without a pandemic, loss of the comms van, or a forest fire, all occurring weeks or days before the events. He kept waiting for the bomb to drop! Congratulations to Don N7PLL.

A YARC Lifetime Membership Award was presented to John Snedden, KT7P, for his involvement during the last five years. Vice-President, President, working with the Elmer crew, brought Zoom in for the club meetings and Tech Talks during the pandemic shutdowns, creating a committee to write a \$20,000 grant for the Youth Club from ARRL, Prescott Hamfest committee, Rodeo volunteer and Rodeo Parade coordinator, and whatever else anybody could talk him into.

Elections were held and a new YARC logo was approved by the membership. It is an updated version of our old logo so watch for it appearing soon! Congratulations to our new Vice-President, Steve Stock, WA0A, and new Board of Director members, Bernie Sakowicz, W1RAD, and Byron Wilkinson, KK7BFL. Byron had been a recent appointment to the BOD to finish out a term and is now elected. A very big thank you to outgoing BOD member Ron Shimek, W7WWB for all his contributions over the last two years. Our outgoing Vice-

Continued Next Column

NADXA Continued from Page12

Bob Wertz, NF7E, Distance Challenge Chairman (928-600-6813)

Lou Armino, W7KFT, DC Co-Chairman
Northern Arizona DX Association
Flagstaff, Arizona



GUD DX & 73,
Ron Gerlak, KG7OH
Northern Arizona DX Association
NADXA Editor

ADAW

YARC Continued Previous Column

President, Mike Reid, WU7V, has been nothing but a pleasure to work with. He finished John, KT7P's term when he became President and then was elected to a two-year VP term after that. Mike has been the rudder for the SS YARC for more than three years and a great positive influence to not only the BOD and Officers, but to the Amateur Radio in general. Thank you Mike for all you do and have done for YARC.

The December YARC meeting is a BBQ catered meal, Christmas music, story telling and saying thank you to the members for being "Radio Active" all year long. Members pay a flat fee and YARC picks up the difference so everyone can enjoy. BBQ and Ham Radio is why VOX was created! Think about it.

The holiday season is here, the shopping pressures and madness, the family get togethers, the decorations, the foodie overindulgence (remember there are no calories in the holiday meals!), and the liquid Holiday Cheer all come together. Good time for a SOTA or POTA for a few hours to keep your sanity and good cheer.

Be safe, stay healthy and be . . . Radio Active!



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 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.

New Members & New Activities at CARL/W7ASC in 2022

In working on the December column, I am quite excited & thankful to look back on the expanded activities of our club and the improvements that we have made to the Harkins Ham Shack - W7ASC - in 2022. These improvements are thanks in no small part to the infusion of new members this past year to where we are now finding our club’s activity level has grown exponentially.

Thomas NE7X came to CARL in early 2022 and brought a new level of insight into how a club could operate more actively. Using his research and guidance we pursued a pair of grants to improve our operations & W7ASC’s visitor appeal. Your editor plans to do a feature about Thomas soon in a future column! This month, I asked our two newest members, Jerry K1GJQ & Chris W7AMD/G4AMD, to discuss their motives for joining CARL plus describe their experiences as volunteers.

Jerry Quenneville - K1GJQ

I’ve been licensed since 1977 and before that had been a shortwave listener for about 10 years. So radio has been a hobby for most of my life, and I knew at a fairly early age that I wanted to be a ham. I earned my Novice ticket through W1PUO, the University of Massachusetts-Amherst ham club. The UMass club helped me learn the ins and outs of actually getting licensed and gave me access to several experienced hams. My primary “elmer” at UMass was Frank Engstrom, AB7IQ (then WA1GLW) who gave me my novice

CARL Continued from Previous Column

test. My original call was WB1COV and my first contact was a CW QSO with station in Globe AZ using the UMass club station.

Following graduation, I began a 20-year career as a communications engineer in the US Air Force – a dream job following my earlier years as a radio hobbyist. As I moved around the country with my different assignments, I kept active in ham radio. Even outside the US, during a 3-year overseas tour in Germany, I held the reciprocal license DA1QG and enjoyed working a whole host of different countries, some of which I’ve still never worked from stateside. Following my Air Force retirement in 2001, I accepted a job in the Valley of The Sun, working both engineering and business development with a company building and flying stratospheric balloon platforms supporting military and commercial communications needs.

My kids are all adults now, but when they were younger, my wife Margie (KE4CLO) and I enjoyed taking them to the Arizona Science Center and I would regularly “drag” them to CARL / W7ASC for a visit. I was always impressed with the station and the operators, and I was glad to see the science center found value in exposing visitors to amateur radio ... and I knew from my science center visits that I would like to one day become a W7ASC volunteer. The travel demands of my job, often with very little notice, would keep me from joining the W7ASC team for many years, but when I retired for a second time in late 2021, I soon found myself applying to be a volunteer with CARL. My volunteer experience has been very rewarding, and I strongly recommend it to any licensed ham who enjoys meeting curious kids and adults who come by, and who wants to help spread the word about ham radio.

Thanks to the great team and station at the Arizona Science Center, my interest in radio keeps growing. In terms of operating from home, I continue to experiment with antennas and the challenges of operating under the restrictions of a homeowners’ association. I have also discovered other ways to apply my radio skills by volunteering with the American Red Cross as a member of the Arizona-New Mexico region’s Disaster Support Technology team. After some 45 years as a licensed ham, the hobby continues to open up new opportunities for me and keeps the learning alive.

Chris Heavens - W7AMD, G4AMD licensed since 1971

I’ve been fortunate to be involved with Radio communication, or Wireless and Telecommunications technology from both a professional point of view as well as a “radio ham” for over 50 years now ... a very long time indeed! Having a lifetime of radio communications experience has made it easy and fun for me to reach out to the Amateur Radio world and offer my technical support to both new and experienced radio operators.

Moving south to Arizona from the Seattle area last year took



Work is progressing on the Navajo link repeater system to cover Navajo County. We supported communications for several events in the area including the Phoenix Orienteering club's event in the Petrified Forest close to Holbrook, AZ. Orienteering is land navigation, and the members' activities relate to search and rescue, wildlife tracking and navigation without any aids other than compass and map. Participants from all over the country safely completed the course.

Two of our recent programs included an excellent presentation on the history of the Navajo Code Talkers by the son of a code talker. And we also had a fantastic presentation on the Motus Wildlife Tracking Project from Arizona Game and Fish and how hams can help by setting up tracking stations. Both presentations can be found as well as more information on the Kachina Amateur Radio club on our website including our meeting schedules at <https://kachinaarc.org>

The Kachina Amateur Radio Club is a 501C3 organization with primary missions of education and training, teaching and development of existing hams to upgrade and licensing new hams. Providing emergency communications in the white mountain areas of Northeastern Arizona and advancing technology.

Public Service Calendar

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
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
Black Canyon 100K	Spring Valley to New River	02/10/2024
Xterra Black Canyon Trail Run	Black Canyon City	03/17/2024
Crown King Scramble	Lake Pleasant - Crown King	03/23/2024

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.

CARL Continued from Page 14

me out of my role of technical specialist/mentor and so I was looking for a way to get involved with the local radio community again. Meeting Thomas, NE7X, at a ham radio group dinner recently introduced me to what the Arizona Science Center was doing with STEM education and in particular the Ham station W7ASC and its team of volunteers. This looked like a great opportunity for me to continue to give back to the local ham community as well as encourage new folk, especially the younger generations, into this wonderful hobby.

Although I have a fairly extensive and capable radio station at my home, it's been great fun operating some of the very latest radio technology like the Flex 6400 HF transceiver and the IC 9700 Satellite station plus some great antennas up on the roof. Using the Science Center call W7ASC gets added attention as we talk to radio operators around the world who know how important it is for us to mentor to a new and younger generation of operators.

The world of Amateur Radio has changed dramatically over the 50+ years that I've been involved with it; from simple home built equipment and Morse code transmissions, to very sophisticated computer driven digital equipment designs with internet and satellite supported world communications. The next generation of operators can look forward to a highly diverse hobby offering an insight into not only Radio Frequency engineering, but complex computer control systems, and data transmission systems that allow worldwide communication at signal levels that the ear cannot detect in the speaker systems of our radios. How great is that?!!!

More Volunteers Needed

CARL received an infusion of new blood in 2022 that allowed it to prosper as a club and its outreach to demonstrate amateur radio. Our ability has been enhanced through grant awards & the teamwork of the W7ASC crew that has evolved over the course of this year. We continue to want the Arizona Science Center visitor to see that amateur radio provides a lifelong exposure to practical & theoretical applications that can be useful tools in STEM education.

If you are interested in sharing your love of amateur radio with our interested & inquisitive visitors then 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.

Happy Holidays & 73 de N7INV Sam
w7asc.sked@gmail.com
602.291.0992

ADAW



Elections

Elections are in November for the 2024-2025 ARA Board of Directors. Ballots must be postmarked no later than November 18, 2023, or hand delivered at the November General Meeting on Monday, November 20, 2023. Results will be announced at the December Board meeting.

Membership info is located at <https://www.w7ara.org/mbt/Membership.aspx> or email membership@w7ara.net

Meetings

November General Meeting will be MONDAY, November 20th. Topic: Utah VHF Society and ARA Linking

The November general meeting will host members of the Utah VHF society (Mel NM7P, John K7JL, Les W7UT, Doug WB7TJ) discussing the new ARA full time link into the Utah Intertie system. The ARA Northlink system (Towers, Scottsdale Airpark and White Tanks) is now connected full time to the Utah Intermountain Intertie. The Utah VHF society has many repeaters stretching as far north as Idaho and Montana and as far west as Las Vegas, NV. This meeting will be an introduction of the Intertie for the Arizona folks.

Join us at our next General Meeting in person or virtually. Our in-person meeting is at the Denny's at Priest and Broadway in Tempe. 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

Tech committee members recently completed two troubleshooting trips.

Pinal Peak

Pinal Peak – Dennis AE7WU

Saturday, October 21st, we went to our Pinal site. Crew included Marty KE7DGP, Mike KG7MBK, Donna KI7FHA, Bill, N9VJW, John K7LKL, Joe KE7WHE, Sam W5TSC, and Dennis AE7WU, for a total of two tower climbers, Marty and Mike, and six ground crew and go-fers. The climbers removed the broken remains of three fiberglass sway braces and installed three new sway braces that had been reinforced. We used high strength saddle clamps on the end that holds against bending, which required slight modification of the mounting plates.

ARA Continued from Previous Column

We also installed a steel hose clamp to secure the radials to the VHF Station Master antenna. We also placed a new 20 pound Dry Chemical fire extinguisher in the building to meet Forest Service requirements. We also installed the new door sign with the email listing and the new phone number. Bill also resolved the problem with his radio which is a guest in our building.

We arrived at the site at 10:15 AM and left at 5PM for dinner in Globe.

Dennis Campbell. AE7WU

Scottsdale Air Park

This location is off line to Metrolink while the tech committee works to restore functionality. The VHF radio is operational in standalone mode.

Planned trip

Mt Eldon

Another trip is planned in November to continue working on the Utah linking with ARA Northlink.

ARA History

The Arizona Repeater Association incorporated October 19, 1967. The ARA is 56 years old.

ARA UPDATE Repeater Frequency lists -

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

ARA UPDATED Repeater Maps -

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

ADAW



**Hanukkah begins at Sundown
February 7th**

Continued Next Column



Merry Christmas and Happy Holidays From SuperArc!

We wish you a wonderful and Happy Holiday Season!

January Club Meeting Location TBD

I have learned from the SuperFest committee that in 2024 the City of Mesa will renovate the Charles K. Luster building. This work will start in January and run at least through June.

The next meeting is Tuesday, January 16th, 2024. I will try to have updated information by then on where it will take place.

Holiday Party, Wednesday, December 13th at 6:30 PM

The Golden Corral, 1318 N Cooper Rd, Gilbert, will host the club's Christmas Party on Wednesday, December 13th at 6:30 PM.

SuperFest Goes Electronic

Tickets may now be purchased online through the SuperFest.info website for Admission, Premium Vendor, Standard Vendor, and Grand Prize raffle tickets in advance of the event. You may either print your ticket or show it on your mobile device. Skip the lines, buy online!

Grand Prize Drawings will use a random number generator instead of people reaching into a drum to pull tickets.

Superfest.info redirects you to the superfest.superstitionarc.org site that appears in our Member Clubs entry on Page 3 of this ADAW.

Terry Ryan KE7GRV, SK

Longtime club member, Terry Ryan KE7GRV, has always been active with Field Day, and elmering new hams in the club. He was a whiz at tearing things apart and putting them back together in working order. He read these indecipherable manuals and made perfect sense of them, too. Terry will be missed by many in our club.

Club website is Past Due For A Revamp

A year ago, we lost our Webmaster, and the club hired a website-building crew, whose first mission was to redo the SuperFest website. We expect in 2024 that the club will direct the crew to rebuild the club site. It will get a facelift and the crew will help bring it up-to-date. The one thing current up there is at least the monthly posting of the Communicator newsletter.

Our websites are found on page 3 in the Member Clubs section of the ADAW.

Please be patient as we work things out! Thank you!

The President's Corner by Steve KB7KWK (November Communicator)

Superstition Continued from Previous Column

I hope everyone is doing well. Looks like we are finally starting to cool off around here. Boy, it has been a hot Summer. I think we say that every fall, don't we?

Well, I do not have a lot to report this month. However, it is pretty busy for the board of directors as well as for all those on the SuperFest committee. Speaking of SuperFest, our club hosts one of the biggest, if not the biggest hamfest in the southwest, and we need help to run such a large event. Please volunteer if you can, even if it is only for one hour. We appreciate all the help we can get, so please help your club out.

As everyone may know by now, the Tech team has been busy this year. We got the tower installed at Lost Eden and it is ready for equipment to be added in the spring. We also had a micro burst hit the Stone Castle and it caused some damage. Enough that the tower will need to come down and be replaced.

We are going to turn that into an insurance claim and we are not sure when we will be able to replace the tower. In the mean time, we will probably install the antenna to the side of the building until the new tower and other equipment is installed. That being said, you will notice a difference in signal strength from the UHF repeater as the antenna will be 30 feet lower than it is now.

The club has spent a lot of money this year to keep things up and running. If you can, please donate a little to help out.

We hope this year's hamfest will help out. However, we are way behind on ticket sales for this time of year compared to previous years. We are not sure why that is the case but we hope to pick up sales in November, as the hamfest is approaching quickly.

Some folks have been asking about the main club website. After hiring a company to build our two websites, we asked them to focus on the SuperFest site for right now. The club website will undergo remodeling sometime after the first of the year. We understand that there is some very old information on the current site. Please be patient during this transition. There will be a great club website coming soon.

73 for now, and I will catch you on the air or at a meeting.

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 November 27th. The Communicator will publish to club members in early December.

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

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

Continued Next Column

Superstition Continued on Page 18

For Sale / Wanted



LOOK!
Great Deals!

For Sale

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

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.



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All items sold "As Is".
Items must be Amateur Radio, Computer or Electronics related.
We invite local Amateur Radio Club members to join us. All information & registration forms will be posted to our website in January.

Only Leashed Pets are Permitted. No Guns, Drugs, Alcohol or Fireworks.

CONTACT

Our Website will be updated soon: westvalleyarc.com

For Further information:
Rolf, KG0KM, at 715-828-8860 or
email: bignorsk@hotmail.com



December 26th
Kwanzaa Begins

No Reports Received



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



CHAPTER 16
BARRY M. GOLDWATER ARIZONA CHAPTER



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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HRO Phoenix is the home of all your Ham Radio gift giving needs. We also have Gift Certificates to make your Holiday shopping easier. Thanks for making 2023 a GREAT year and we look forward to seeing you again in 2024.

We will be CLOSED on Christmas Day, 12-25-23, and New Years Day, 1-1-24, to be with family.

Happy Holidays from all the staff here at HRO Phoenix.

Now serving you at our Phoenix store:

Manager Ron AJ7T, Mike K7DD, Bob W8RH, Richard K1RAB, Ira AI7HC, Paul N0RWW, and Jim KE7EEU.