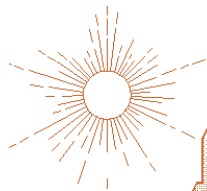


ADAW

10498 Monserrate St
Elk Grove, CA 95757-1765



ADAW

Arizona Desert Aire Waves

Vol 48 No 11 November 2023

CLUB MEETING SCHEDULE

SARC

Nov 1st - 7:00 PM
Scottsdale Senior Center

AARC

Nov 9th - 7:00 PM
American Red Cross/Echolink

AzRCCC

Nov 14th - 7:00 PM
American Red Cross/MS Teams

AMO

Nov 20th - 7:00 PM
Charles K Luster Bldg

SuperstitionARC

Nov 21st - 7:00 PM
Charles K Luster Bldg

CHRC

Nov 11th - 9:00 AM
Tri-City Baptist Church

ANSR

Nov 16th - 7:30 PM
via GoToMeeting

KARC

Nov 14th - 6:30 PM
New Hope Christian Fellowship

OVARC

Nov 17th - 7:00 PM
Pima Comm. College, NW Campus

NADXA

Nov 7th - 6:00 PM
Via Zoom

YARC

Nov 2nd - 7:00 PM
Prescott Rodeo Grounds

TBARC

Nov 16th - 7:00 PM
Arizona Christian University

ATN (VOAR)

Postponed
www.whereby.com/atn1

QCWA-AZ Chapter

TBD
Various

CADXA

Nov 2nd - 7:00 PM
Bethany Luthern Church

ARA

Nov 20th - 7:30 PM
Denny's - Tempe & Zoom

CARL

TBD
Arizona Science Center

SunLife ARC

Every Monday - 10:00 AM
Via Zoom

MARCA

Nov 21st - 6:30 PM
Denny's - Tempe & Zoom

MARA

Nov 4th - 9:00 AM
Maricopa Public Library

WVARC

Nov 6th - 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	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	928.308.1164
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 Wolven	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. 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.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	NCTX	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	KA2KHV	
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 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
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Secretary	Logan Zintsmaster KE7AZ	lrahnz@garlic.com
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Board Member	Andreas Prorocok W1IXQ	teslarocks77@gmail.com
Board Member	John Behrens K7JWB	johnbehrens@comcast.net

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



THE AMATEUR'S CODE

ONE

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

TWO

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

THREE

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

FOUR

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

FIVE

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

SIX

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

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

From the Editor's Desk

Hamfest season is off to a great start! After two great events opened this year's events in October, two more are slated for this month.

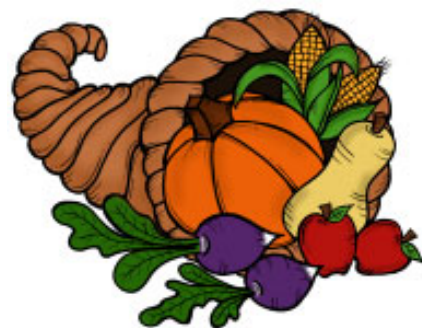
The annual HARKfest Tailgate Hamfest will take place on November 4 at the Redeemer Lutheran Church Annex in Wickenburg. This is a new location for the Hassayampa Amateur Radio Klub's event and it's sure to be great. There'll be inside and outside selling with lots of parking. It's free admission. Outside spaces are only \$5 and inside tables are \$10 each. Of course, overnight camping will still be available at the North Ranch Escapees RV Park which is only 15 minutes away. For all the details, check out the Hamfest Calendar on page 10. A flyer for the event is also available in the flyers file.

A week later, on November 11, Marana Middle School will be hopping with Oro Valley Amateur Radio Clubs's Tucson Hamfest. Admission here is \$5.00 (which includes a bottle of water). Children under 12 and students with any AZ school ID are free. Sellers pay \$10 per space which includes the seller's admission. There will be seminars, ARRL Card Checking and Logbook assistance, VE testing, a food truck for breakfast and lunch, and, of course, PRIZES. You can contact hamfest@tucsonhamradio.org for more information. Details are also in the Hamfest Calendar on page 10 and on the flyer in the flyers file.

The holidays are upon us. This month and next, families will gather together to celebrate and enjoy each other's company. As Thanksgiving draws near, I want to take a moment to thank each of our contributing club editors for the dedication in sharing the news from their clubs. I also want to thank HRO for their continued support which makes ADAW possible. Lastly, and most importantly, thank you to our readers. You are the reason ADAW exists.

Have a very Happy Thanksgiving.

'Til next month,
Christine, N7PVL



ADAW



AOCC Continued from Previous Column

pleasurable.

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 –

Outlaws that are Top Ten in a main category for 2023 ARRL DX SSB:

- KH7M (NA2U) - #3 World SOUHP - 4,135,980
- ND7K (N6WIN, W6PH) - #3 USA M/S HP - 3,558,048
- N2IC - #2 USA SO10 HP - 516,456
- K6LL - #8 USA SOU10 HP - 313,617
- N7RQ - #3 USA SO15 HP - 276,159
- N7TU (K2SS) - #3 USA SOU20 HP - 41,940

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

73,
Mike KC7V

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

Contest season is in full swing. CQWWRTTY was a lot of fun. 10m conditions are picking up so the fall contests will give you plenty of band choices. Let's hope we can avoid disturbed conditions on weekends. The weather is finally cooling off so we can get more antenna work done.

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/>.

Contest Tip this month – Wav files

If you operate SSB contests, your voice can get pretty worn out. There are ways to create .wav files. You can use to send CQ or the exchange. These two are the most common. N1MM and other contest logging programs support .wav files. You can create them directly with some radios or you can use your soundcard or a program like Audacity to create and trim the file to your liking. This makes operating SSB much more

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.

November Test Sessions

Nov 4th - 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/

Nov 4th - 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

Nov 4th - 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

Nov 4th - Kachina ARC -- 9:00 AM

Taylor/Snowflake Fire Dept, 425 Papermill Rd, Taylor

Contact Vincent Cattolica 520.591.4576

Nov 6th - WVARC -- 6:00 PM

Shepherd of the Desert Lutheran Church-Walton Hall
11025 N 111th Ave, Sun City

Contact - David Morrill 623.680.5011

No Walk-Ins / Register or Call Ahead

Nov 7th - Prescott VE Sessions -- 5:00 PM

Prescott Public Library, 215 E Goodwin-second floor, Prescott

Contact - David Erlach 928.239.1083

No Walk-Ins / Register or Call Ahead

Nov 11th - Oro Valley ARC -- 10:00 AM

Marana Middle School, 11285 W Grier Rd, Marana

Contact - Steven Wood Steve.wood.tucson@gmail.com

No Walk-Ins / Register or Call Ahead

Nov 13th - 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

Nov 13th - Radio Society of Tucson -- 7:00 PM

Immanuel Presbyterian Church, Witherspoon Hall

252 E 22nd St, Tucson

Contact - Diane Zimmerman 520.664.5070

Nov 15th - Thunderbird ARC -- 6:00 PM

Northwest Christian School, 16401 N 43rd Ave, Phoenix
Enter Gate 9, Room 423

Contact - Walter Reinert 602.668.7804

No Walk-Ins / Register or Call Ahead

Nov 17th - Oro Valley ARC -- 5:30 PM

Pima Community College, 7600 N Shannon Rd,

Bldg A, Room 108, Tucson

Contact - Steven Wood Steve.wood.tucson@gmail.com

Nov 18th - Unsponsored -- 1:00 PM

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

Contact - Jack Gunnoe 928.530.4745

Nov 18th - Hualapai ARC -- 10:00 AM

VE's Residence, 3571 E Lum Ave, Kingman

Contact - Alyce Ingle 425.231.9173

Nov 18th - West Valley Electronic Club -- 9:00 AM

The Shack, 11115 W Nevada Ave (111th & Nevada), Youngtown
Bring FRN, pencil & pen, and \$15.00

Contact - David Morrill 623.680.5011

No Walk-Ins / Register or Call Ahead / Limited Seating

Nov 21st - HARK -- 2:00 PM

Congress, 30736 S Wandering Way, Congress

Contact - Duane Grooms 602.814.9603

No Walk-Ins / Register or Call Ahead

Nov 21st - 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

Nov 25th - 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

Nov 28th - Boy Scout Troop 127 -- 7:00 PM

St Francis Xavier School Common Rm, 4715 N Central Ave, Phoenix

Contact - John Kelly 480.823.8993

Hamfest Calendar

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. 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.

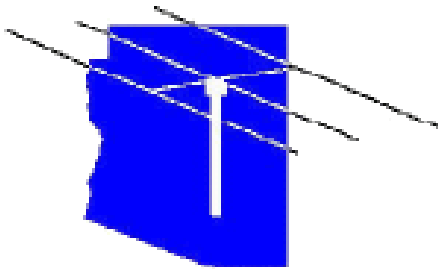
13 January 2024 - **Thunderbird Hamfest and Electronics Swap Meet** - hosted by the Thunderbird Amateur Radio Club will be held at Haven Church, 5902 W Cactus Rd in Glendale. Hours are 8:00 AM - 12:00 Noon. Admission - \$5.00 each which includes a door prize ticket. Commercial Vendor set up Friday after 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 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.

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.

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





MARCA INC.

Our meetings are 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.

We had 10 people attending the September meeting in person and 4 via Zoom. The presentation was provided by Ray Vasquez, K4RMV, who spoke on the early development of the transistor 75 years ago. I know that I learned some things about the transistor's invention, even though I've been using (and abusing) the things for more than two thirds of that time!

We held an exam session before the September meeting with 4 candidates, all of whom passed the Technician exam. So combined with the session that we had at the GNU Radio Conference in early September, we tested a total of 18 candidates!

Please check our website – www.W7MOT.org – for details on signing up for our monthly exam 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!)

One sad note to report: Tom Morrissey, KE7TM, is now a Silent Key. He passed away on Monday, September 11, 2023.

Clark Jones, KI7TU



Well here we are, already sliding into November with cooler days, changing colors, and those brisk nights with all night propagation to the East and West. Or so I am told!

November is a busy month for YARC. We have club elections with half of the officers and half of the BOD being elected. We have the YARC Lifetime Awards and recognition, the NRA Birthday Special Event Station, the monthly T-Hunt, a General Class on two Saturdays, and a W7YRC Radio Room open house. Then throw in a couple of holidays for the month and wow, the month is done.

YARC has declared that November is the Lloyd Halgunseth, WA6ZZJ, memorial meeting and presents the Lloyd Halgunseth WA6ZZJ Memorial Public Service Award to an individual who exceeds in the public service and/or ARES/RACES venue. Lloyd WA6ZZJ, who became a Silent Key in 2014, had been the YARC public service coordinator for 20 plus years and was the Yavapai County District Emergency Coordinator and Radio Officer for the ARES/RACES organization. In short, Lloyd dedicated his life to public service and emergency communications, and would say, "Amateur Radio is the Hobby, Emergency Communications is a commitment." This award is given once a year to an amateur radio operator who is determined to have upheld the highest standards of public service, someone Lloyd would have been proud to work next to. The selection is by committee, then approved by the BOD, and kept a secret to the individual until the award is given. YARC is honored to have Lloyd's family present and acknowledged during the meeting.

In addition to the Halgunseth Award for public service, the club is honoring its past presidents. Our current President Ray, KI7COM, has been digging in the history books and tracking down the ones that have led the club in the past. So, if you are a past prez of YARC, please come to the November 2nd meeting at the Prescott Rodeo Grounds and be recognized.

Please check out our club website at www.w7yrc.org for everything YARC. Testing, classes, public service events, special event station information, the Signal Newsletter, our mentors and Elmers, resources, and Hamfest information. You do not have to be a member to click on the links.

Enjoy the change in weather, the return of the hamfests, the holidays and family visits, special event stations, contests, DXpeditions and all that Amateur Radio has to offer. My favorite event in November is watching everybody else in the country go through the time change routine! Arizona figured out long ago that is a waste of time changing when the sun comes up and goes down, because the hours of sunlight don't change, only the clocks do. Mother Nature knows best.

Stay safe, be healthy and always be . . . Radio Active!

ADAW



November 11th



The NORTHERN ARIZONA DX ASSOCIATION is a very active DX club that also participates in contests, special events, goodwill projects and hosts the Flagstaff Hamfest. We meet monthly on the first Tuesday of the month at 6 p.m. MST on Zoom for our regular meeting and we also have a casual weekly rag chew on ZOOM at 9:00 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

November will be a good month to chase these DX stations:

START	END	QTH	CALL
2023 Nov 02	2023 Nov 15	Cameroon	TJ9MD
2023 Nov 03	2023 Nov 07	Cocos (Keeling)	VK9QO
2023 Nov 03	2023 Nov 10	Niue	E6AJ
2023 Nov 04	2023 Nov 19	Marquesas	TX7L
2023 Nov 05	2023 Nov 10	Bahamas	C6A
2023 Nov 06	2023 Dec 05	Timor Leste	4W8X
2023 Nov 08	2023 Dec 08	Tanzania	5H3MB
2023 Nov 09	2023 Nov 22	Chatham Is	ZL7A
2023 Nov 15	2023 Nov 29	Solomon Is	H44WA
2023 Nov 16	2023 Nov 27	Laos	XW4DX
2023 Nov 16	2023 Nov 30	Namibia	V51WH
2023 Nov 21	2023 Dec 05	Christmas I	VK9XGM
2023 Nov 21	2023 Nov 28	Honduras	HR9
2023 Nov 23	2023 Dec 06	Sierre Leone	9L5M
2023 Nov 26	2023 Dec 08	St Martin	TO9W

You can find more info on these and other “Announced DX Operations” at <https://www.ng3k.com/misc/adxo.html>

CONTESTING

Hey there all you “HOA,” limited space lot guys and gals and other hams who have not gotten around to erecting their 100-foot tower yet. The ARRL November Sweepstakes has added a new category for us.

“New for 2023: Any Single Operator or Single Operator Unlimited entrant can enter using the Limited Antennas

Continued Next Column

NADXA Continued from Previous Column

Overlay. Operation is limited to the use of single-element antennas such as a single vertical, end-fed wire, or a single dipole antenna no more than 50 feet above ground at its highest point. The antenna(s) may cover multiple bands, as in the case of multiband verticals and dipoles with fan or trap constructions.”

The complete rules can be found at <http://www.arrl.org/sweepstakes>

BTW my “random length” wire antenna is at a whopping 2” above my roof and doubles as a wire that prevents the pigeons from landing on my roof (HOA approved “Bird Wire”).



Don’t forget the CQ Worldwide DX Contest, CW (Nov 25-26, 2023). <https://www.cqww.com/rules.htm>

For other contests see <https://www.contestcalendar.com/perpetualcal.php>

SPECIAL EVENTS

Quartzfest will happen in January and the DX Challenge will be sponsored by NADXA again this year. More detail next month.



QF 2019 DX Challenge Winners

GUD DX & 73,
Ron Gerlak, KG7OH
NADXA Editor





The Kachina Amateur Radio Club is a 501(c)(3) organization with the goals of furthering radio communications in Northeastern Arizona.

The season is changing to beautiful fall colors and cooler temperatures. That time means our annual swap meet which was held in September the testing session yielded some new Ham radio licensees along with our cadence of ham radio classes and license testing we had many successful new licensees as well as upgraded ham licenses.

This season means events in the area which our members provided event communications support to ensure the safety and security of participants. This included mule/horse rides, Bicycle ride/races, marathon-foot races and orienteering teams' qualification – training in the beautiful, petrified forest.

The club was fortunate to have a captivating presentation at our September meeting on the rich history of the Navajo Code talkers – something unique to our country and this region of our state. Work continues building out the Navajo Link communications system of linked repeaters in the area to support communications especially in the event of an emergency.

Our next club meeting will have a mini-swapfest, so come buy-sell-trade. The club has many activities ongoing year-round – come learn more and join us at our monthly meetings. <https://kachinaarc.org/>



The Thunderbird Amateur Radio Club TBARC is a 501(c)(3) nonprofit serving the Glendale, northwest Phoenix area of the Valley. Monthly meetings the third Thursday of the month at Arizona Christian University Glendale, see our website W7TBC.org for more detail and information. Our four repeaters cover the Valley with two on White Tanks, one at HonorHealth JC Lincoln Hospital, and one at HonorHealth Deer Valley.

Planned Activities for coming months: On November 11, we are going to tour Titan Missile Museum and to operate using the large Discone Antenna on site of the Museum. January 13, 2024 is TBARC Hamfest and Raffle, see flyer in back of ADAW. And in February 2024, we are currently in planning stages of Winter Field operation from Alamo State Park K-1502, which also will include a POTA activation.

In November, we will see the election of the 2024 Board of Directors and they will, according to TBARC by-laws, elect the TBARC officers in December and take office on January 1, 2024

TBARC offers VE testing the third Wednesday of the sign up at <https://tinyurl.com/TBARC-VE-Registration>

Last, we wish everyone a sake and Happy Thanksgiving

Walt Reinert NJ8G
President TBARC



**Don't Forget to Vote
Election Day
November 5th**



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 is manned by our volunteer staff who are typically in the shack until 2:00 p.m. You can also learn more about CARL by searching our W7ASC callsign on QRZ.com.

Interesting Visitors at W7ASC

This CARL volunteer got a sense of what is popular with the kids who visited the Arizona Science Center from various summer camps around the state by the words they wanted to tap out in Morse code on their own when given the opportunity at the Harkins Ham Shack. Not surprisingly, “Taylor Swift” came up several times with one youngsters even claiming that was their name. (I was more than happy to go along with this to make their Morse code experience fun). Another popular item was the “Nintendo Switch” gaming platform and associated games.

An ASU computer science grad student stopped by one Wednesday at the Harkins Ham Shack and shared photos of his “non-academic work” with Tesla coils. He has built a self oscillating system employing a transformer of this type. The photos were impressive and showed that the build quality is very clean. He proudly showed me a photo of a high voltage MOSFET that exploded during his development efforts! This young gentleman was quite interested in becoming a licensed ham, which initiated our lengthy and interesting conversation. We were glad to give him background literature with our “prospective ham pack” plus provide a copy of an “ADAW Newsletter” to let him know where the upcoming VE tests were planned.

Also, that same Wednesday, a visitor stopped by who introduced himself as a science teacher from Mexico City. He said he had been wondering how to use amateur radio in the classroom, but did not know where to turn for information. John, K7JP was happy to share one of our “teacher information packs” that he developed and keeps stocked for

Continued Next Column

CARL Continued from Previous Column

such inquiries. Thanks John! Your interaction with this teacher makes a case that W7ASC and CARL is reaching out to spread the word for ham radio internationally!!

Volunteers Needed

CARL needs new volunteers to allow us to reach more Arizona Science Center visitors to help create an interest in ham radio and its associated technologies. We would love to hear from you if you want to help us with our ham radio and STEM outreach mission.

If you want to share your love of amateur radio with the interested and inquisitive visitors to the Arizona Science Center, then please join the Center for Amateur Radio Learning as a volunteer at W7ASC. You can also learn more about CARL by searching on our W7ASC callsign on qrz.com. On our QRZ page, you will find a link to an application to volunteer at the Arizona Science Center (be sure to note on the application that you want to volunteer at the ham shack). You can also learn more by contacting your editor Sam N7INV at w7asc.sked@gmail.com or by contacting CARL’s president Jack KD7ROB at jacklandon17@gmail.com.

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



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.



ARA Continued from Previous Column

equipment. Bill was able to reconfigure the equipment restoring functionality to the P25 UHF analog mixed mode narrow band repeater and MARCA D-Star system. Sam completed an inspection of equipment.

The generator was tested causing the proper alarms to be broadcast for on and off emergency power. The propane tank level was also verified.



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.

Membership info is located at <https://www.w7ara.org/mbr/Membership.aspx> or by emailing membership@w7ara.net

Meetings

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.

Greens Peak became operational in November 2007.

Joe Godfrey, AE7JG and Marty, KE7DGP traveled to Greens Peak to investigate a complaint about periodic static on the Greens Peak Rim Link repeater (146.72). They examined the site for any physical connection issues. None were identified. Joe worked with Cole AA7RD remotely to perform several Station Monitor tests on the 146.72 repeater. Everything pointed to a healthy radio.

From ground level they pulled and pushed on the tower and guy lines while listening to the repeater. Everything sounded normal. Marty climbed to the top of the tower examining cables and connectors on the way up. No issues found.

Tapping on various parts of the antenna they were about to reproduce some noises that were very similar to the complaints. The antenna appears to be a likely contributor to the issue reported. Their recommendation is to replace that antenna. The tech committee will determine next steps.

White Tanks became operational as an ARA site in May 1976.

Bill Jackson N9VJW, John Braden K7LKL, Sam Franks W5TSC, (CAP) visited the White Tanks October 14 for troubleshooting several reported issues. When they arrived, we found the power outage two weeks ago damaged some

Planned trip

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

Pinal Peak - A trip is planned for late October to repair the damages from last winter and prepare the site for winter 2023.

The main VHF antenna for 147.200 will be adjusted after last year's weather moved it. A new top and mid stay for the main VHF antenna will be replaced. The radials on the main VHF antenna will be reinforced.

The antenna below the main VHF antenna that is side mounted to the tower will also require a new top stay.

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

Continued Next Column



October Column OOPS!

I wrote and “submitted” the October column for publication. The problem is that I submitted it to a local folder on my computer instead of the magic folder that, through Dropbox, places my content on my Editor’s computer.

So this is the October column with necessary updates for November.

November Club Meeting, Tuesday, Nov 21, 7:00 PM

This month is election of the whole Board and officers. Visitors are always welcome to attend in person at the Charles K Luster Building conference room! Full address is on Page 3 of this ADAW.

Club Tower at Lost Eden

October saw the installation of the club’s 64-foot tower at Lost Eden, where the property owner had planted a base in the ground for it.

Next spring the club will install a cell phone repeater and a couple of ham antennas to assist in Field Day talk-in. There is little-to-no cell coverage and the repeater is expected to improve that situation for emergency communications.

The President’s Corner

by Steve KB7KWK
(October Communicator)

Hello fellow club members. I hope all of you are doing well. Looks like we are finally going to start cooling off. Man, it seems like it has been one of the hottest summers I can remember in a long time. We had all that rain last winter and hardly a drop this summer. We have the craziest weather.

I would like to start off this month’s President’s Corner by thanking all of those people on the tech crew who drove up to Lost Eden on September 23rd to help put up the club’s 64-foot tower. It has been many years of discussion, and it was so awesome to see that tower standing up in its new home. There is still work to be done, but the main thing is, it is there.

We will have to go back after winter and lower the tower back down to install the equipment. There will be a cell phone repeater to help with call service, as well as some of our own antennas to use for Field Day. The next step is to get solar panels, batteries, winch, and lifting pole installed, as well as a small building and a few other essentials.

A big thank you to Robert, N3BZ; Jim, NK2J; Herchel, KJ7WHS; Bryan, KF7DPC; Chip, KK7GWX; and Chris, KJ7ZQP for taking time to drive up to

Superstition Continued from Previous Column

Lost Eden. I would like to also thank all the other folks on the tech team who helped with this project. Thank you Dan, KC7MSU for organizing the project. Thank you Brent, W7FK; Brian, W7JET; and Jeff, N7CCW.

The SuperFest crew has been working hard all year to bring to Arizona another great hamfest. We are doing something different this year. All ticket sales for spaces, entry fee, and raffles are being sold online at the SuperFest site at superfest.info. Most big venues are now using this kind of service.

Although it may be a little slow this first year as we all learn how to use it, in the future this system will help generate more sales, as well as speed up the process on opening morning of the SuperFest. If you have already purchased a paper ticket, it will be entered into the system and you will receive an electronic ticket. Also, all raffles will be held using a random number generator. Again, most big venues are doing it this way now.

This change should make it a lot easier for the SuperFest crew in the future. However, none of it could be done without the help of club members volunteering some time on the day of the event. We say this all the time. It cannot be accomplished with just a few people. The crew needs help. So please go to the website superfest.info and go to the tab for the sign up zone and volunteer. Even if it is only one hour, every bit of help is needed. So help your club to continue to hold the biggest hamfest in the Southwest.

Please remember this is the time of year that the club starts taking nominations for club officers and board of directors for next year. Everyone should have received an email with the link to nominate people. You can even nominate yourself. It is very important to have people in these positions to help keep the club moving in a positive direction. A strong board of directors makes for a strong club. That email will be going out to club members again soon. So please nominate people.

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

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

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

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.



CHAPTER 16

BARRYM.GOLDWATERARIZONA CHAPTER

QCWA Chapter 16 had a booth at the Radio Society of Tucson hamfest on October 7th. Tom Fagan K7DF, President, and Carl Foster KB7AZ, Secretary/treasurer manned the booth. The booth was right next to the RST, ARRL, and Amateur Radio Council of Arizona booths. Many hams dropped by to get information on QCWA and renew their membership. Tom and Carl reported that membership has increased this year.

After the hamfest, the chapter had a luncheon at the Hungry Fox restaurant attended by 18 hams. The chapter is looking to have one more meeting this year in the Phoenix area after the Superstition hamfest on December 2nd. We are looking for a restaurant in the area with a meeting room. In 2024, we are planning on meetings after hamfests in Flagstaff, Phoenix, Tucson and Yuma.

Tom Fagan K7DF, QCWA Chapter 16 President



ADAW

No Reports Received



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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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Stop by our website often to catch all the specials offered to our HRO customers.

For your best deal on all your radio needs, shop at Ham Radio Outlet in Phoenix.

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Manager Ron AJ7T, Mike K7DD, Bob W8RH, Richard K1RAB, Ira A17HC, Paul N0RWW, and Jim KE7EEU.