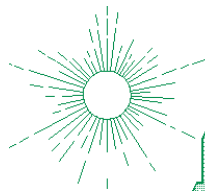


ADAW

10498 Monserrate St
Elk Grove, CA 95757-1765



MARCH



ADAW

Arizona Desert Aire Waves

Vol 48 No 3

March 2023

CLUB MEETING SCHEDULE

SARC

Mar 1st - 7:00 PM
Via Zoom

AARC

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

AzRCCC

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

AMO

Mar 9th - 7:00 PM
Via Zoom

SuperstitionARC

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

CHRC

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

ANSR

Mar 16th - 7:30 PM
via GoToMeeting

KARC

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

OVARC

Mar 17th - 7:00 PM
Mountain View Baptist Church

SunLifeARC

Every Monday - 10:00 AM
Via Zoom

YARC

Mar 2nd - 7:00 PM
Prescott Rodeo Grounds

TBARC

Mar 16th - 7:00 PM
Arizona Christian University

ATN (VOAR)

Postponed
www.whereby.com/atn1

QCWA-AZ Chapter

TBD
Various

CADXA

Mar 2nd - 7:00 PM
Bethany Luthern Church

ARA

Mar 23rd - 7:30 PM
Denny's - Tempe & Zoom

CARL

TBD
Arizona Science Center

MMRG

See Web Site

MARCA

Mar 21st - 6:30 PM
Via Zoom

MARA

Mar 4th - 9:00 AM
Maricopa Public Library

WVARC

Mar 6th - 7:00 PM
Shepherd of the Desert Lutheran Church/Zoom

ADAW Member Clubs

ARIZONA AMATEUR RADIO CLUB

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

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

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

SCOTTSDALE AMATEUR RADIO CLUB, INC.

The Scottsdale Amateur Radio Club meets the **FIRST WEDNESDAY** of each month at 6:00 p.m. in Room 8 at the Granite Reef Senior Center located at 1700 N Granite Reef Road (west side of Granite Reef Rd., 50 yards north of McDowell Rd. Parking on site) in Scottsdale. The club also holds a net every Tuesday night at 7:00 p.m. on the 147.78/.18 repeater.

President	James Wasson	N7ELL	n7ell@scottsdalearc.org
Vice President	Rick Aldom	W7STS	natecf@gmail.com
Secretary	Bruce Harmsen	KA9EYX	ka9eyx@scottsdalearc.org
Treasurer	Douglas Mitchell	W7ADD	w7add@scottsdalearc.org
Past President	Paul Finell	W7EFQ	w7efq@scottsdalearc.org
Board Members	Jim Dye	AG7AU	
At-Large	Scott Gillins	W2KP	
	Bill Kouchis	N9EIV	
	Ed Nickerson	WU7S	
	Gene Geller	K0VN	

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

ARIZONA NEAR SPACE RESEARCH

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

President	Stephen Thomas	KE7TLS	iamgadget1@yahoo.com
Vice President	Clayton Jacobs	KJ6QJS	
Secretary	Steve Miller	W6SDM	
Treasurer	Bill McLean	K7WWM	bmclean@gmail.com

ANSR, PO Box 31003, Mesa, AZ 85275-1003. DUES: \$10.00/YR. Web Site: www.ansr.org

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

THUNDERBIRD AMATEUR RADIO CLUB

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

President	Susan Gray	KK7FYB	president@w7tbc.org
Vice President	Aric Gray	AG7WR	vicepresident@w7tbc.org
Secretary	Andrew Cornwall	KF7CCC	secretary@w7tbc.org
Treasurer	Mike Willmoth	KJ7OPD	treasurer@w7tbc.org
Directors	Bruce Kabana	WB7SRC	wb7src@w7tbc.org
	Robert Lutes	N7NO	n7n0@w7tbc.org
	Gary McGriff	KK7DCR	kk7dcre@w7tbc.org
	Rick Tejera	K7TEJ	k7tej@w7tbc.org
Past President	Charles Loftus	KG7KRN	kg7kmf@w7tbc.org
Station Trustee	Gary Duffield	WK7B	wk7b@w7tbc.org

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

MARICOPA AMATEUR RADIO ASSOCIATION

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

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

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

CHANDLER HAM RADIO CLUB

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

President	Dave Hoffman	KJ4RS	pres@chandlerhams.org
Vice President	Debbi Smith	KJ7MIQ	vp@chandlerhams.org
Secretary	Cary Geilniak	K7CFG	sec@chandlerhams.org
Treasurer	Byon Garrabrant	N6BG	treas@chandlerhams.org

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



ADAW Member Clubs

BARRY M GOLDWATER, ARIZONA CHAPTER QUARTER CENTURY WIRELESS ASSOCIATION

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

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

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

MINGUS MOUNTAIN REPEATER GROUP

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

President	Bob Sitterley	K7POF	928.636.2146
Vice President	Tom Griswold	WN7E	
Secretary	Lori Cripps	WA7EDI	602.955.7517
Treasurer	Bob Sitterley	K7POF	928.636.2146
Board Members:	Gary Hamman	K7GH	
	Butch Merrill	K7JOG	
	Jerry Roberts	KB7CN	
	Ken Rasback	KK7KEN	
	Tom Raczykowski	N7MMC	
	Sonja Hazlett	WB7CWW	
	Larry Dorrell	KG7TTD	

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

KACHINA AMATEUR RADIO CLUB

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

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

Mailing Address: Kachina Amateur Radio Club, P O Box 2996, Show Low, AZ 85902. Email: kachinainfo@drwilx.com Testing Info: White Mountain V.E. Team: VEtesting@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	k2dfc@superstitionarc.org
	Jeff Heinze	N7CCW	n7ccw@superstitionarc.org
	JD Smaylis	KF7VOX	kf7vox@superstitionarc.org
	Doug Brown	AG7KU	ag7ku@superstitionarc.org
	John Jacques	KD8PC	kd8pcu@superstitionarc.org
	John Wolven	KG7NSP	kg7nsp@superstitionarc.org

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

ADAW Member Clubs

MARCA, Inc. / W7MOT

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

President	Ray Vasquez	K4RMV	
Vice President	Tom Morrissey	KE7TM	
Treasurer	Norm Johnson	AA7OO	480.278.2886
Secretary	Paul Bennett	KD7KDO	
Board Member	David Yee	N7AJR	
Trustee:	Norm Johnson	AA7OO	480.278.2886
Webmaster:	Norm Johnson	AA7OO	480.278.2886

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

CENTRAL ARIZONA DX ASSOCIATION

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

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

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

YAVAPAI AMATEUR RADIO CLUB

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

President	Ray Kolman	KI7COM	president@w7yrc.org
Vice-President	Mike Reid	WU7V	vice_president@w7yrc.org
Secretary	Tim Norton	K7PVY	secretary@w7yrc.org
Treasurer	Jane Lerette	K7ZHF	treasurer@w7yrc.org
Past President	Bill Noe	WG7W	
Board Members	Ron Levine		
	Debbie Kolman	KD7COM	
	Mike Schnell	NC7X	ka9cid@gmail.com
	Ron Shimek	W7WWB	
Past President	John Snedden	KT7P	

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

K7ARC AZ RED CROSS COMMUNICATIONS CLUB

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

President	Charlie Zurenko	N2TFS
Vice President	Mark Steele	KI7RB
Secretary	Jerry Quenneville	K1GJQ
Treasurer	Saroj Gilber	KM6BQD
Past President	Frank Engstrom	KB7IQ

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

NORTHERN ARIZONA DX ASSOCIATION

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

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

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



ADAW Member Clubs

CENTER FOR AMATEUR RADIO LEARNING

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

President	Jack Landon	KD7ROB	480.759.5195
Sec./Scheduling	Sam Marshall	N7INV	602.291.0992
Treasurer	Karen McConaghy	NO7D	602.799.7338
Station Engineer	Tom Boza	NE7X	602.499.6379
Board Members:			
	Tom Salt	AD7PM	At Large
	John O'Neal	K7JP	Teacher Packets
	Jerry Quenneville,	K1GJQ	ARCA Delegate
	Rusty Kinner,	WA8ZID	Satellite Ops

Direct Phone: 602.716.2082 For information: call Jack, KD7ROB at 480.759.5195.

AMATEUR TELEVISION NETWORK

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

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

ATV Repeater Inputs: 434 MHz AM/DVB-T and 2441.5 MHz FM
 ATV Repeater Outputs: Phoenix - 1253.25 and 5910 MHz,
 Mesa - 421.25 and 1289.25 MHz, Tucson - 1277.25 MHz
 FM Repeater Outputs: Phoenix - 448.400 MHz PL 100.0,
 Mesa - 445.175 MHz PL 100.0, Tucson - 445.225 MHz PL 103.5
 DMR Talk Groups: 9410 "ATV Talk" and 31024 "ATN"

We also stream 24x7 on www.youtube.com/amateurtelevisionnetwork and on YouTube at W7ATN-Arizona Live and W7ATN-Mesa Live.

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

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

WEST VALLEY AMATEUR RADIO CLUB

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

President	Bill Ciccone	KA2KHV
Vice-President	Josh Cavender	KE7WIL
Secretary	Lee Ann Ciccone	KJ7AZR
Treasurer	Jeff Rogers	KD7KYE
Board Member:	Bob Runke	AB7RR
	Mike Stevens	K7BLT
	Larry Johnson	WO7C

Committees:		
Membership	Krissy Larson	KI7GJJ
Technical Advisory	Frosty Oden	NQ1S
Equip. Donations	TBD	
& Sales		

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

SUNLIFE AMATEUR RADIO CLUB

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

Nets:

20 Meter Net: Monday, Wednesday, & Friday, 14329 Mhz SSB 12:30 p.m./11:30 a.m. during daylight savings time.
 10 Meter Net: Tuesday & Thursday, 28.329 Mhz, SSB. 7:00 p.m./8:00 a.m. during daylight savings time.
 Venture Out: 2 Meter Net: Monday, Wednesday, & Friday, 1:00 p.m., 146.58 MHz FM simplex, 12:30 p.m.

President	Ralph Towers,	KA0CET	retowers@hotmail.com
Vice President	Jim Hood,	K5TT	
Secretary	Greg Watkins,	WB7VOK	
Treasurer	Cheri Goforth,	KD7ZXD	treasurer.sunlifearc@gmail.com

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

ADAW Member Clubs

AMO - ARIZONA MESH ORGANIZATION

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

President: Michael Bailey, KI7LXY president@arizonamesh.org
Vice-President: Steve Estes, KB7KWK vicepresident@arizonamesh.org
Treasurer: Scott Gillins, W2KP treasurer@arizonamesh.org
Secretary: Robert Fridell, N3BZ secretary@arizonamesh.org
Board of Directors
Dale Schmidt, N7QJK n7qjk@arizonamesh.org
Heidi Brewer, K7ZAE k7zae@arizonamesh.org
Gary Hinton, AC7R ac7r@arizonamesh.org
Bob Howard, W8RH w8rh@arizonamesh.org
Rodney Fritz, WB9KMO wb9kmo@arizonamesh.org

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

ARIZONA OUTLAWS CONTEST CLUB

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

President: Mike Fulcher, KC7V mikekc7v@gmail.com
V. P. North Area: Ray Benny, N6VR n6vr@arrl.net
V.P Central Area: Chuck Zanella, KF7U Chuck_KF7U@outlook.com
V.P. South Area: Owen Watson, AK7W ak7w.owen@gmail.com
Secretary/Treasurer: Larry Reader, KE2VB larry.ke2vb@gmail.com

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

ORO VALLEY AMATEUR RADIO CLUB

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

Hi all.

Spring is in the air. Well, at least that's what the calendar says! Cooler (Colder) than normal temperatures, torrents of rain, heavy snow fall, and blustery to vicious winds seem to be the norm across the country lately. With any luck, March 20th (the first day of spring according to the calendar), will see the end of these unusual, and in many areas record breaking, weather patterns.

Two great hamfests are on tap for this month - the Scottsdale SpringFest on March 18, and RST's Tucson Spring Hamfest on March 25. Both of these events will be held at their usual location. SpringFest will be in the Fender Musical Instruments parking lot in Scottsdale and the Tucson Spring Hamfest will be held at Calvary Tucson Church in Tucson. Each event features shaded parking for the vendors.

SpringFest's general admission is \$5 per person and vendor spaces are \$20 for 2 parking spaces. There will be the usual raffle and door prizes awarded, and refreshments and snacks will be available for purchase. "Doors" open at 7:00 AM. You can email the co-chairs, James Wassen and Bill Kouchis, at hamfest@scottsdalearc.org for more info.

The Tucson Spring Hamfest's general admission and parking are free. Spaces at this event are \$10 per parking space. Raffle prizes will be awarded and tickets can be purchased at the event. Morning snacks will be provided by Scout Troop 157 and Pack 705. Festivities are from 7:00 AM until 11:00 AM. Visit the website at <http://www.k7rst.org> for information and a map.

In more hamfest news, the Northern Arizona DX Association, in concert with the Amateur Radio Council of Arizona, is in the planning stages of a hamfest in Flagstaff in July. Preliminary plans are to hold the event on July 15 at Sinagua Middle School. Pencil in the date on your calendar and plan to attend. Keep watching for more information as it becomes available.

Hope everyone gets a chance to visit one of the March hamfests. You'll have a great time if you do!

73. Catch ya next month!

Christine, N7PVL

ADAW





Greetings from the Central Arizona DX Association!

Our February 2nd Program was 'HF Parachute Mobile, Life at Terminal Velocity' presented by Carlos Felix, KD9OLN. Carlos' program was awesome! How many of us have jumped out of a perfectly good airplane and/or operated a 100-watt HF station on the way to the ground? After explaining and reviewing the safety aspects of both parachuting and operating a mobile station while 'in the air' there was a very interesting question and answer session. Search "LifeAtTerminalVelocity" on YouTube and you can access his activities.

Throughout 2023, the ARRL is having the *Year of the Volunteers* to recognize and celebrate the many volunteers who contribute to making so many things possible. They will be kicking off with the *Volunteers on the Air Operating Event*, where W1AW will be activated across the US throughout 2023. Brian, W7JET, will be coordinating the operating schedule for Arizona hams wishing to operate using the callsign W1AW/7 during the weeks of March 15th (GMT) - 21st (GMT) and August 30th (GMT) – September 5th (GMT). He can be contacted at W7JET@hotmail.com

Our March 2nd meeting will feature a presentation on *Summits on The Air* by Brian, W7JET, who has earned Mountain Goat status (three times!) with the SOTA program.

We have a new Secretary!

President: John Jolly, N7NWL a7nwl@gmail.com
Vice President: Virgil Silhanek, K7VZ k7vz@arrl.net
Secretary: Steve Thompson, N7TXsteve.n7tx@gmail.com
Treasurer: Mike Wright, N7WM n7mw@aol.com
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Director-at-Large: Steve Protas, K7SPsprotas@juno.com

To locate CADXA YouTube videos just do a search on 'Central Arizona DX Association' or 'CADXA' and you should be able to find them.

For information regarding CADXA or how to become a new member, please visit our website (www.cadxa.org) or contact N7NWL at wa7nwl@gmail.com

January was a busy month for OVARC, as we traditionally hold our annual meeting and welcome lots of snowbirds and renewed members during the month.

Congratulations to Andreas, W1IXQ for doing so much for the club and now becoming a Director. Welcome aboard Andreas!

Many thanks to Gary – AE7GP for the many years of service to the OVARC board and countless contributions to OVARC over the years. OVARC members and I hope that Gary will stay engaged and continue to share his technical knowledge with the club. Thank you Gary!

Congratulations to John, K7JWB for his longtime service to the club and now becoming a Director. John has been with OVARC since it began. Welcome aboard John!

Congratulations to Beverley, WB7BEV for taking on the complex task of Treasurer. Beverley has been involved with many activities in the club including it's very successful Hamfests. Congratulations on becoming a Director and Welcome aboard Beverley!

We are strategically looking for another meeting location in '23. We are closing in on meeting space that will be much more appropriate for our meetings and have the facilities and infrastructure to support our hybrid meetings.

Thank you Gerry – KK7HTF for all the work you are doing to help OVARC launch a sister club at Pima Community College.

By the time you read this, we will have had our Fox Hunt and outing on February 25th. This will be our first activity in 2023. Thanks to Andreas-W1IXQ and Walt-AL7KE for carefully planning the details.

A man behind the curtain that shouldn't go unnoticed. Thanks Mike-K7VTT for keeping our web communications looking perfect and up to date.

Best wishes to our fellow board member Fred-W1HZ for his upcoming surgery. A new set of human shock absorbers called knees are on the way. Best of Luck Fred!

73, Steve – W1SR

ADAW

ADAW



For our January meeting, we were back at the Denny's at 48th Street and University. We held a testing session immediately before the meeting, and had three candidates take exams.

Our meeting included a presentation by John Portune, W6NBC via Zoom. It was a very interesting and informative talk on magnetic loop antennas. On the business side, we've decided to go back to the campground at Gentry Lookout Tower for Field Day again this year.

We certainly invite any Hams in the area to join us at our meetings, or for that matter, at Field Day. We're continuing to have our monthly meetings as "hybrids," both in-person and via Zoom, though due to circumstances beyond our control, it's best to check the website, w7mot.org, in case we have to change the in-person venue. Also note that we'll try to continue to offer testing prior to the meeting, but you MUST register in advance (and have obtained an FRN number from the FCC website) to take an exam.

On a more personal note, for many years I've been toying with an idea for a payload for an Arizona Near Space Research balloon launch. It has been known for several decades that the speed of sound varies with altitude, so my idea has been a payload to measure this variation. I've toyed with several approaches over the years, but in recent weeks some new products have come onto the hobbyist electronics market that may make one approach more viable. I've already obtained some of the parts, and so the project is about to go to the "breadboard" stage. I'm hoping to get it at least to the point of being able to let it ride in the back of my car on the way up to Field Day, since that will provide a change of nearly 6000 feet in altitude. That should make a reasonable "proof of concept" test, prior to building a flight worthy version.

One other personal note: Some of you may be aware that my "Significant Other," Barbara, KC1CYV passed away from heart problems in January 2022. She also had been battling Alzheimer's disease. A few hours prior to this writing, I saw a very interesting half hour program on PBS on "Brain Health." It was from the University of Rochester School of Medicine. The link to it is SecondOpinion-TV.org/brain-health. If you've got a few minutes, I'd strongly encourage watching it.

Clark Jones, KI7TU



The last VE test session at the Arizona Amateur Radio Club was on January 28. Jeff Harth, WA6TPO, from Sedona upgraded to extra class. Congratulations Jeff.

The next AARC test session will be February 25.

The AARC now has 37 members.

The program at the February 9 meeting was a summarization by Gary Hamman, K7GH, of a presentation made by ARRL Southwestern Division Director N6AA, at Quartzfest. Gary Hamman also made a brief transmission line presentation.

Charlie Zurenko, N2TFS, succeeded in getting approval from DeVry for this year's April Hamfest at DeVry on April 8. Our club and the Arizona Red Cross Communications Club are running it. We have a few rooms reserved in the building for meetings.

73,
Lori, WA7EDI



March 17th

Hamfest Calendar

18 March 2023 - **Scottsdale Springfest** - hosted by the Scottsdale Amateur Radio Club will be held in the Fender Musical Instrument Parking Lot, 17705 Pacesetter Way in Scottsdale. Vendors should enter at 17700 N Perimeter Drive. Gates open at 7:00 AM (6:00 AM for vendor set up). Admission is \$5.00 per person and vendor spaces are \$20.00 for two (2) parking spaces. There will raffle prizes, hourly drawings, and refreshments and snacks will be available, too. Talk-In 147.180+ MHz - PL162.2 Hz / 440.000+ MHz PL100 Hz / 443.575+ MHz PL100 Hz. For more information, visit the web site at www.scottsdalearc.org. Questions? Email James Wasson or Bill Kouchis at Hamfest@scottsdalearc.org

25 March 2023 - **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 morning information, visit the web site at <http://www.k7rst.org>

8 April 2023 - **April Hamfest at DeVry** - hosted by the Arizona Amateur Radio Club and the Arizona Red Cross Communications Club (K7ARC) will be held at DeVry University, 2149 W Dunlap Avenue, Phoenix. Hours are 7:00 AM until 11:00 AM. Admission donation - \$5.00. Tailgate Spaces - \$10.00 each. VE Testing at 9:00 AM. DXQSL Card Checking from 9:00 to 10:00 AM. Repeater Owners Meeting at 9:30 AM. ARCA Meeting at 11:00 AM. Prizes - Coffee - Donuts - Sodas. Talk-In on 147.280 (+) PL 162.2 Hz. For more information or to reserve a space, contact Gary Hamman at k7gh@arrl.net or 480.216.2665.

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

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

Continued Next Column



The Kachina Amateur Radio Club is a 501c3 organization (we can now claim that since we have been approved to be one) devoted to serving our community with public service communications capabilities in times of emergency and supporting local events needing communications. We also are advancing technology in the area by expanding our Navajo link repeater system – which has slowed a bit during the winter weather conditions, but will resume when weather conditions allow.

Our members have been optimizing software in our repeater controller on Greens Peak. Work on the Brookbank site will also commence when weather conditions permit. This site is on the border of Navajo and Coconino county.

Our other mission is training and education. Our teams provide classes to allow those interested to obtain or upgrade their FCC licenses. Our VE team administers have held exam sessions with successful outcomes.

Congratulations to our newly license Hams: Brady Obrien – KK7JMS, Bill Hargett – KK7JMN, John Pearsol – KK7KHX, Wade Millet – KK7KIG, Joseph Hargett – KK7KJN – Stephan Birdsong – KK7KIA, Sheila Moffatt – Barbara Schultz – KK7KDL, and to Larry King who passed his Extra in December and has a new call sign: NX7Y

To learn more about the Kachina club see www.kachinaarc.org

ADAW

Hamfest Calendar Continued from Previous Column

15 July 2023 - **Flagstaff Hamfest** - hosted by the Northern AZ DX Association. Details to follow when available.

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.



Led by Chuck, KF7U, AOCC has moved our reflector to groups.io. This gives us more features such as attachments. If you are an AOCC member, and have not received an invite, reach out to Chuck at Chuck_KF7U@outlook.com

We are entering the Spring Contest season with the ARRL DX Contests coming up along with CQWPX RTTY and others. Solar Flux continues to be high giving us some fantastic conditions to play in. If you are not on much, you are missing out. The CQ160CW contest was decent with some Europe worked the 2nd night. The January ARRL VHF contest had a lot of local activity and there were some sporadic single hop openings on 6m. 10m has seen solid EU openings in the mornings, so pay attention to the band.

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 – Bandpass filters. If you operate using two radios you should have bandpass filters (200w versions) to help prevent QRM from yourself on the radio not transmitting. I am not talking about a 2nd harmonic. Even one radio can utilize bandpass filters to help in your shack. You can build yourself, purchase single band units or get all bands in one unit. I have two of the 5B4AGN six band TX bandpass filters. Both of these have the six contest bands in a single box. There are WARC band bandpass filters available and 6m as well.

Our members include elite contesters who have operated from many DXCC entities around the globe as well as beginners wanting to learn more and who may submit a score of only a few QSOs. We encourage all stations, big or small,

Continued Next Column

Public Service Calendar

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Mesquite Canyon Trail Run	White Tank Park	03/11/2023
Xterra Black Canyon Trail Run	Black Canyon City	03/12/2023
ADA Tour De Cure:Arizona56	Goodyear	03/18/2023
Crown King Scramble	Lake Pleasant-Crown King	03/25/2023
Zane Grey 100K	Mogollon Rim, N. of Payson	04/22/2023
Mogollon Monster	Rim Country, E. of Pine	09/09/2023

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

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



International Women's Day

AOCC Continued from Previous Column

to get on and participate in contests and make contacts. There are excellent resources among club members and on our club website for contesting help.

Here are a couple of AOCC accomplishments – AOCC finished 9th, out of 271 contest clubs, in the 2022 State QSO Party Challenge. Thanks to Andy KK7AC for taking charge of our QSO party participation.

AOCC finished #8 USA in 2022 CQWW RTTY Club Competition. We had 7,990,305 final points from 24 entries. Overall, there were 3,190 entries this year.

I hope many of you will come to the Visalia DX Convention next April. We have a full slate of presenters, along with some fantastic prizes being given away. There are about \$32,000 in prizes including an Elecraft K4. Registration is already open so consider joining us. It is a lot of fun and you get to meet many other contesters.

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

73,
Mike KC7V

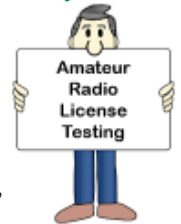


License Testing Information

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.



March Test Sessions

Mar 3rd - Tonto ARA -- 6:00 PM
Banner Payson Medical Ctr, Admin Bldg, Main Conference Rm
807 S Ponderosa St, Payson
Contact - Darde De Rouilhac 928.468.1487

Mar 17th - Oro Valley ARC -- 5:30 PM
Pima Community College, 7600 N Shannon Rd,
Bldg A, Rm 208, Tucson
Contact - David Beauschesne 831.345.3308

Mar 4th - Chandler Ham Radio Club -- 10:00 AM
Tri-City Baptist Church, 2211 Germann Rd, Chandler
Bldg D, Room 170
Contact - Byon Garranbrant ve@chandlerhams.org
Walk-Ins Allowed / Registration or Call Ahead
Register at: chandlerhams.org/testing/

Mar 18th - Hualapai ARC -- 10:00 AM
VE's Residence, 3571 E Lum Ave, Kingman
Contact - Alyce Ingle 425.231.9173

Mar 4th, 11th, 18th, 25th - NOMADS -- 9:00 AM
Venture Out RV Resort, 5001 E Main St, Mesa
Contact - Robert Bingham 480.404.1408
No Walk-Ins / Register or Call Ahead

Mar 18th - West Valley Electronic Club -- 1:00 PM
The Shack, 11115 W Nevada Ave (111th & Nevada), Youngtown
Bring FRN, pencil & pen, and \$15.00
Contact - David Morrill 623.680.5011
No Walk-Ins / Register or Call Ahead / Limited Seating

Mar 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

Mar 21st - Hassayampa AR Klub -- 2:00 PM
Escapes North Ranch, 30645 S Wandering Way, Congress
Contact - Charles Carter 316.651.7710
Call for test and location Info

Mar 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

Mar 21st - Boy Scout Troup 127 -- 7:00 PM
St Xavier School, 4715 N Central Ave, Art Room, Phoenix
Contact - John Kelly 480.823.8993

Mar 7th - IPrivate VE Sessions -- 5:00 PM
Prescott Public Library, 215 E Goodwin-second floor, Prescott
Contact - JM Scherfling 928.632.2050
No Walk-Ins / Register or Call Ahead

Mar 21st - MARCA ARC -- 5:00 PM
Denny's Back Room, 825 S 8th St, Tempe
Contact - Ray Vasquez 480.696.1581
MUST obtain FRN prior to exam - \$15.00 Exam Fee Cash Only

Mar 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

Mar 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

Mar 13th - Radio Society of Tucson -- 7:00 PM
Immanuel Presbyterian Church, Witherspoon Hall
252 E 22nd St, Tucson
Contact - Diane Zimmerman 520.664.5070

Mar 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



HAVING FUN

CHRC is off to a busy year so far and having a lot of fun! Our Club Members are AWESOME and enjoy getting together weekly for various activities.

So far this year, we kicked off with our FREE Monthly VE Testing. Then Our Club meeting and, after the meeting, we had an excellent Presentation on Antennas by one of our club members Bob Stephens W7BE. A Fun Fox Hunt at the Riparian Reserve was done by our club Treasurer, Byon G. N6BG. A monthly Be-HIP (Hams in Park) event was put on by our past President and Founder of CHRC, Gary L. KI7PBR. And our monthly Club breakfast and Winter Field Day was also held. A few members coming together for pizza and a yagi antenna build, too!

All are welcome to join in on the fun. Just check out our website for more information!

73 de, DEBBI SMITH KJ7MIQ
V.P. CHRC

CLUB EVENTS

Club Weekly Net (N7CHN NET)

Every Thursday Evening at 8:00 p.m. on MARCA repeater 443.050. This is a weekly NET for all amateur radio operators.

VE Test Session Mar 4th, 2023

Our VE test sessions are scheduled for the First Saturday of every month at Tri-City Baptist Church at 10:00 a.m. See club page for details - <http://chandlerhams.org/testing/>

CHRC Monthly Meeting

Chandler Ham Radio Club monthly meetings are held on the Second Saturday of every month at Tri-City Baptist Church at 9:00 a.m. See club page for details - <http://chandlerhams.org/meeting/>

Club Monthly Breakfast

Chandler Ham Radio Club breakfast is the Fourth Saturday of every month at 8:30a.m. Denny's is on the NE corner of Germann and Gilbert roads. All are invited. Denny's 3971 S Gilbert Rd, Gilbert, AZ 85297





Emergency Communications Since 1961

SHORT SKIP

WVARC had a great turn out for Winter Field Day. We reserved five camping sites at White Tank Mountain Regional Park and set up there with multiple antennas and a couple of generators and solar cells for power. With four stations running we made a lot of contacts. There was great camaraderie around the campfire too. Planning is already in motion for Summer Field Day in June.

Over the past year our nets have been randomly plagued by an individual of low moral character who comes in on our repeater and broadcast junk with the sole purpose of disrupting the nets. In January we purchased a mobile Doppler Direction Finder system from Doppler Systems (www.dopsys.com) to aid with detecting and locating this individual. The owner of the company was kind enough to provide training. Next time this individual comes on the air, we will attempt to track him down and put an end to his/her anti-net activities (Disclaimer: any actions we take on tracking down this individual will be legal and non-confrontational).

Where to meet up with us:

- 8:00 PM Evening Nets and 9:00 AM Morning nets on NY7S repeater, 147.300 MHz (+) PL 162.2 Hz.
- First Monday of every month for general membership meeting. (VE testing before the meeting)
- Every Tuesday at Bobbie's Café for lunch at noon.
- Every Thursday at Tivoli Gardens for breakfast at 7:00 AM.
- Check our website westvalleyarc.com for more information.

ADAW



March 14th

For Sale / Wanted



**LOOK!
Great Deals!**

For Sale

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

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

\$1,300.00 (Or Best Offer)

Contact Wayne, KC9IC at 815.263.9329

For Sale - US Tower MA40 - 40 foot - 2 Sections

includes: MARB Rotor Base, CX-2M 2 Coax Arms
4 cement anchor bolts, 6-foot top mast
All hardware, winches, and cables

\$1,000.00

(Current US Tower listing - \$6,560 including freight)

Located in 43rd Ave and W Bell Rd area of Phoenix

Contact Lee Weitzel K0CCU at 602.330.4840

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

Contact Richard Bruns, K7VQ at d_brunz27@yahoo.com

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



Begins March 12th

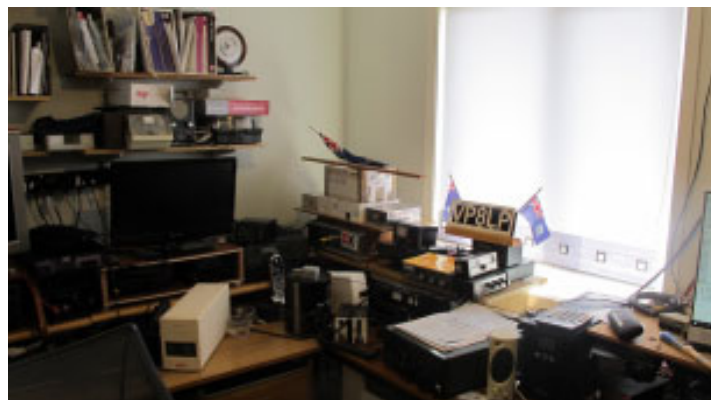
Falkland Island Visit

I visited VP8LP - Bob - in Stanley, Falkland Island in January when our cruise ship stopped there after a visit to Antarctica. Bob and his wife Janet were welcoming and hospitable and it was nice to replace a voice coming out of my rig with a real person!

Here are a couple of pictures of Bob's state-of-the-art shack feeding 3-element Step IR and various wire antennas. I was not able to operate his station since I lacked the proper British reciprocal ticket.

It's nice to travel so far away and meet another friendly ham.

Ron Blessin - AF7A
West Valley ARC



ADAW



February Marathons

I was in downtown Mesa at the Farmer's Market at the corner of Center and Main streets. I could see the blinking red traffic light at Second Street on Center during the Mesa Marathon. I decided to take a walk up there and watch the marathon for a bit, but the policeman said I just missed the last runner ten minutes ago. He said that this marathon is a qualifier for the Boston Marathon, and that the serious runners had passed this intersection four hours ago. City Police were just waiting for the barricade crews to take down all the cones and signs.

Our FM repeaters were in use by the marathon communications net since four in the morning. The marathon started at Usery Mountain Park on Ellsworth Road. It traveled west along McDowell, then Brown, before entering downtown on Second Street. All of this route was in the prime coverage area of the 147.12 on Usery Pass.

The weather was perfect for this year's Mesa Marathon.

The Lost Dutchman Marathon will be February 19 through Gold Canyon and Apache Junction as I write this report.

General March Meeting Issues Marching Orders

You are invited to join General Meeting's troops as they march to the March meeting of the club.

General Meeting Tuesday, March 21 at 7:00 PM

Please see Page 3 of this issue for the address and related information.

February President's Corner by Steve KB7KWK

Hello again, everyone. I would like to start this President's corner by thanking all of you who came out to Winter Field Day. In total, we had 30 club members show up for the event at Usery Mountain Park. Ten of us camped out on Friday and Saturday nights. Several folks came out for the day on Saturday. Most of them stayed until after dark to hang out around the camp fire.

We had a great time as usual telling stories, jokes, and lies. John, KD8PC, played guitar and sang songs, and brought back some memories of the oldies. He played every request from the folks around the fire.

We even had some new club members and a couple of visitors there. One of them drove up from Catalina to hang out for the day.

Continued on Page 16

Superstition Continued from Page 15

Although the bands were open, there were only a few of us operating. We used special event call K7K. That is the same call we use every year for winter Field Day.

Most of the folks there just hung out and talked about all kinds of things. In spite of that, I think there were more than 100 contacts made and I believe 50 of those were made by Hercel, KJ7WHS and Greg, WB7VOK.

Fred, WB4AEJ drove up on Saturday. He spent most of the time working hard on getting the club website back online. Thank you, Fred, for your dedication to the site and making sure it is always up and running. I am sure he would have much preferred to be behind a radio operating.

This was a great turnout and the weather could not have been nicer. Everyone is looking forward to the next camp out. We may do this again in about three months or so. The Board will discuss this at the next meeting. We will decide when and if we will go back to Usery Park or somewhere up North.

I would like to thank everyone who came out to last month's General Club Meeting. We had our annual junk auction at that meeting. It was one of the largest I have seen as far as items for auction. Attendance was a little low compared to previous years. However, the club still made about \$500 in donations. Every little bit helps the club out in many ways.

At the next club meeting Jeff, N7CCW and Ed, K7EDT will be giving a presentation on Dipole antennas. They will demonstrate building a dipole onsite at the meeting. Antenna projects are always great topics and the meetings are well attended.

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

Amazon Smile Contributions Program Ended

Effective on February 20, 2023, Amazon is ending its Amazon Smile customer-directed charitable donation program. Under this program, the Superstition ARC earned one-half percent of all purchases made by members who shopped on smile.amazon.com with the club as their designated charity.

Earlier news reports in January indicated January 20 as the end date for Smile. Smile continued unchanged after that date, but then Amazon announced the February 20 shutdown on its site.

The club is looking at using the Fry's grocery chain, a part of Kroger, to replace Amazon Smile.

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: February 27th. The Communicator will publish to club

Superstition Continued from Previous Column

members in early March.

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

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

Superstition ARC Repeaters

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

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

Club Nets

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

SuperARC Merchandise Store

<https://superARC.big3creative.com>

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

Superstition SuperFest

The Superstition SuperFest is held on the first Saturday of December. Visit www.superstitionsuperfest.org for the latest information.

ADAW



First Day of Spring coloringpage.eu
March 20th

Continued Next Column

No Reports Received



CHAPTER 16
BARRY M. GOLDWATER ARIZONA CHAPTER



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



AMATEUR RADIO SERVICE DEMONSTRATION



SARC CONSTANTS:

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

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



HAM RADIO OUTLET

WWW.HAMRADIO.COM

Family owned and operated since 1971



FTDX101MP | 200W HF/50MHz Transceiver

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



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

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



FTM-400XD | 2W/440 MHz

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



FTDX10 | HF/50MHz 100 W SDR Transceiver

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



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

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

FT-700R C4FM/FM 144/430MHz Xciv

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



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

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



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

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



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

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



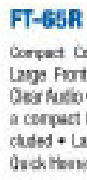
FTDX101D | HF + 5M Transceiver

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



FT-818ND | HF/VHF/UHF All Mode Portable Xciv

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



FT-65R | 144/430 MHz Transceiver

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



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

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



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

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



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

YAESU
The radio

Happy March! HRO is your home for the latest gear at the best prices. We now have a new FT-8 demo station running here in your Phoenix store. Look for the call WD7HRO and you could work one of us here in the store. Come by and see how easy it is to get up and running on the Digital modes. The bands are OPEN so get "Radio Active" from everyone here at HRO PHX.

Now serving you at our Phoenix store:
Manager Ron AJ7T, Mike K7DD, Bob W8RH, Richard K1RAB, Ira A17HC, Paul N0RWW, and Jim KE7EU.