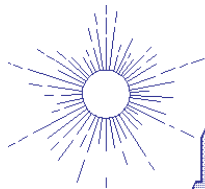


ADAW

10498 Monserrate St
Elk Grove, CA 95757-1765



ADAW

Arizona Desert Aire Waves

Vol 47 No 1

January 2022

CLUB MEETING SCHEDULE

SARC

Jan 5th - 7:00 PM
via Zoom

AARC

Jan 13th - 12:00 PM
American Red Cross/Echolink

YARC

Jan 6th - 7:00 PM
Prescott Rodeo Grounds

TBARC

Jan 20th - 6:30 PM
Arizona Christian University

CADXA

Jan 6th - 7:00 PM
via Zoom

ARA

Jan 27th - 7:30 PM
Electronically

MARCA

Jan 18th - 6:30 PM
via Zoom

MARA

Jan 1st - 9:00 AM
Maricopa Public Library

AzRCCC

Jan 11th - 7:00 PM
American Red Cross/MS Teams

SuperstitionARC

Jan 18th - 7:00 PM
St Katherine's Church/Chandler

ANSR

Jan 20th - 7:30 PM
via GoToMeeting

OVARC

Jan 21st - 7:00 PM
Mountain View Baptist Church

ATN (VOAR)

Postponed
www.whereby.com/atn1

SunLifeARC

Every Monday - 10:00 AM
Via Zoom

MMRG

See Web Site

WVARC

Jan 2nd - 7:00 PM
Via Zoom

CHRC

Jan 8th - 9:00 AM
Tri-City Baptist Church

KARC

Jan 11th - 6:30 PM
New Hope Christian Fellowship

AMO

Jan 13th - 7:00 PM
Charles K Luster Bldg

QCWA-AZ Chapter

TBD
Various

CARL

TBD
Check 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	602.996.8148
Vice President	Steve Tolnai	W7WSV	480.390.4446
Secretary	Open		
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 7:00 p.m. in Room 8 at the new Scottsdale 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	David Yee	N7AJR	n7ajr@scottsdalearc.org
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	

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	iangadget1@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

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	Charles Loftus	KG7KRN	president@w7tbc.org
Vice President	Rick Tejera	K7TEJ	vicepresident@w7tbc.org
Secretary	Andrew Cornwall	KF7CCC	secretary@w7tbc.org
Treasurer	Jeff Rogers	KD7PYE	treasurer@w7tbc.org
Directors	Robert Lutes	N7NO	n7no@w7tbc.org
	Clair Wyant	KG7MAJ	kg7maj@w7tbc.org
	Chuck Erickson	K7CAE	k7cae@w7tbc.org
	Robert Fairfield	K7RQN	k7rqn@w7tbc.org
Past President	Brian McCarthy	AK7F	ak7f@w7tbc.org
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.

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	Saroj Gilbert	KM6BQD	
Treasurer	Doug Bessemer	K0VPL	
Past President	Peter Petrotta	KD7OIW	

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

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	Bob Howard	W8RH	president@copahams.org
Vice President	Scott Bushman	WI7Y	vicepresident@copahams.org
Secretary	Bob Proctor	N6YPE	secretary@copahams.org
Treasurer	George Hogan	K7TGH	treasurer@copahams.org
PIO:	Steve Miller	W6SDM	pio@copahams.org
Webmaster:	Louis Sandoval	W8LES	w8les@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

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	K7BUD	
	Ken Rasback	KK7KEN	
	Tom Raczykowski	N7MMC	
	Sonja Hazlett	WB7CWW	

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	
Vice President	Bill Turley	KJ7GYH	
Secretary	Marie Mortensen	N7SKS	
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, 825 S 48th Street in Tempe, near SR143 and University Drive. 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	Brian McCarthy, AK7F	ak7f@w7ara.net
Vice-President	Erv Heimbeck, K0OTZ	k0otz@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
Dennis Bietry, KE7EJF	ke7ejf@w7ara.net
Lance Halle, KW7LH	kw7lh@w7ara.net
Joe Godfrey, AE7JG	ae7jg@w7ara.net
Patrick Baldwin, KI4NSF	pbaldwin99@gmail.com
James Wasson, N7ELL	n7ell@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: \$18.00/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 only - Zoom and St Katherine's Greek Orthodox Church, 2716 N Dobson Rd, Chandler. February through November - Zoom and Charles K Luster Building, 640 N Mesa Drive, Mesa -- also via Zoom. **VISITORS** are Encouraged to attend. If you would like to attend one of our meetings via Zoom, please contact president@superstitionarc.org at least 24 hours prior to the meeting for the Zoom link.

President	Steve Estes	KB7KWK	kb7kwk@superstitionarc.org
Vice President	Brian Betz	W7JET	w7jet@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
	Dan Devlieger	KC7MSU	kc7msu@superstitionarc.org
	Bob Thomas	N8ANV	n8anv@superstitionarc.org
	Matt Churchill	K7YEG	k7yeg@superstitionarc.org
	Robert Fridell Jr	N3BZ	n3bz@superstitionarc.org

Mailing Address: 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	Norm Johnson	AA7OO	480.278.2886
Vice President	Ray Vasquez	K4RMV	
Treasurer	Don Aldridge	WA7RLL	
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

The Central Arizona DX Association meets the **FIRST THURSDAY** each month at 7:00 p.m. Until further notice, meetings will be held virtually on Zoom. Visitors always welcome. See www.cadxa.org/meetings.html for a map.

President	Bill Poole	AA4Q	billpoole@yahoo.com
Vice President	(Position Open)		
Secretary	Eric Schecter	KC7ES	eschecter@gmail.com
Treasurer	Mike Wright	N7MW	n7mw@aol.com
Immed. Past Pres.	Larry Loen	WO7R	lwloen@gmail.com
Directors	Ron Smith	N7RD	
At-Large	John Jolly	N7NWL	wa7nwl@gmail.com

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



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

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	John Snedden	KT7P	president@w7yrc.org
Vice-President	Mike Reid	WU7V	vice_president@w7yrc.org
Secretary	Tim Norton	K7PVY	secretary@w7yrc.org
Treasurer	Sam Prather	K7SCP	treasurer@w7yrc.org
Past President	Bill Noe	WG7W	
Board Members	Dave Erlach	W7VXS	rocketdog@dslxtreme.com
	Mike Schnell	NC7X	ka9cid@gmail.com
	John Laing	K7PRS	k7prsextra@gmail.com
	Ray Kolman	KI7COM	spudsmn@gmail.com

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

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	Hanna Eckert	KG7TPD	haneck@aol.com
Board Members	Fred Bresani	W2HZ	w2hz@verizon.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/>.

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	Mary Stephen	AE6Q	sec@chandlerhams.org
Treasurer	Byron Garrabrant	N6BG	treas@chandlerhams.org

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

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	Jim Felkey	N7BBS	480.966.7084
Sec./Scheduling	Sam Marshall	N7INV	602.291.0992
Treasurer	Karen McConaghy	NO7D	602.799.7338
Station Engineer	Ron Taylor	WA7GIL	602.390.5335
Board Members:			
	Steve Warford, WB4ZSC	ADAW	
	Tom Salt AD7PM	At Large	
	John O'Neal K7JP	Teacher Packets	
	Bob Burleson KG7QJ	Trustee/President Emeritus	
	Robert Faerber W9AQ	Log Book	
	Scott Gillins W2KP	At Large	

Direct Phone: 602.716.2082 Web Site: <http://www.w7asc.org>
 For information: Email to carl@w7asc.org or 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 Tuesday of the month at 1:00 PM at Lou's Tivoli Gardens, 12535 W Bell Rd in Surprise. 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 daily and Monday - Thursday at 8:00 PM. Please check our website (below) for other events and information.

President	Danny Hoerr	KM4HFT
Vice-President	Bill Ciccone	KA2KHV
Secretary	Lee Ann Ciccone	KJ7AZR
Treasurer	Willa Prato	KE5CPM
Board Member:	Ron Shipp	K1WAZ
	Joe Jacobson	KJ7PUL
	Frosty Oden	NQ1S
	Larry Johnson	WO7C
Past President	Danny Hoerr	KM4HFT
Committees:		
Membership	Krissy Larson	KI7GJJ
Technical Advisory	TBD	
Equip. Donations & Sales		
	Ken Jenkins	WB6MMV
	or Jim Seay	WB7RBN

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 meets **EVERY MONDAY** from October through April each year at 13:00 (1:00 p.m.) on Zoom. For access, 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	Sue Rogers	W7SKH	happyham7777@gmail.com
Vice President	Cheri Goforth	KD7ZXD	treasurer.sunlifearc@gmail.com
Secretary	Chuck Rogers	W7CBR	rogers_charles@hotmail.com
Treasurer	Dwight Carlson	KF7WI	dec@kalama.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.



ADAW Staff

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Emergency Communications Since 1961

SHORT SKIP

As I write this, our biggest blowout event of the year is still a couple months away (February 26th - Save the Date!), but we are already gearing up for it. Of course, I am talking about the West Valley Amateur Radio Club's Annual Auction! Every year, we put our heart and soul into it, and you won't want to miss it!

Our club has seen a bit more action in 2021 than we did during the terrible year before. Two new Digital Repeaters were purchased, so check us out. Our new WIRES-X room on Boswell is 81854, and Tuesday nights at 7:00 PM we have a Net on 449.800 MHz. We even figured out how to hold our auction on "Zoom." Danny, KM4HFT, has been a great club President for two years, and has now decided to go a third term. Things are beginning to gel, and more activities are on the horizon.

This year was kind of a milestone in that October 16th marked 60 years of the WVARC as a club. From our humble beginnings of seven members, up to our current 350+ membership, "We've come a long way, baby!" We celebrated with live music and enough food to feed an army of people!

The club welcomes a couple of new board members in 2022, and congratulations go to board member Joe Jacobson, KJ7PUL, for becoming our 2021 Ham of the Year! Joe was chosen by Krissy, KI7GJJ, who was chosen for the previous year. As a new member, Joe planted both feet and started running without looking back.

Keep checking back to our website: <https://westvalleyarc.com/> as you never know when you might see an "Antenna Build" for a Fox Hunt or a rather large Potluck/Picnic or a "Simplex in the Park," where we test the range of our HTs and Mobile radios with larger antennas.

Have you ever been to a WVARC meeting? (Santa happened to visit our December meeting.) Stop on by, we would love for you to join us, and guests are always welcome! (Or drop us a line on the "About Us" page and ask for a Zoom link). Our meetings are held on the FIRST MONDAY of the month at 7:00 PM, with License Testing prior to the meeting. You don't even need to be a ham to attend a meeting or join the club! See our club website for details and directions.

Next month, I will provide more information about the auction, so stay tuned . . .

73
April, KI7GFJ, Webmaster



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.

70CM Yagi - 70 CM Yagi, KLM model 440-16X. Gain 14.0 dBd, Broadbanded 420-450 MHz. Boom length - 10 ft, 3 in. \$50 including manual. Contact Erik Basilier K7TV at ebasilier@cox.net

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: Ken Jenkins, WB6MMV at kjenkins5623@gmail.com or Jim Seay, WB7RBN at wb7rbn@arrl.com.





AMATEUR RADIO SERVICE DEMONSTRATION STATION

W7ASC is a Demonstration Station for the Amateur Radio Service. The Volunteers who operate the station are members of the Center for Amateur Radio Learning (C.A.R.L.), a 501(c)(3) corporation. W7ASC is open to all who visit Arizona Science Center (ASC) during those hours when ASC is open. The station is located on the third floor of the Science Center in the “My Digital World” gallery. Direct phone number is 602-716-2082.

ASC is open daily, 10:30 a.m. – 4:00 p.m., and the ham shack hours are essentially the same, dependent on availability of staff. Our Twitter feed and Face Book page can be accessed at twitter.com/w7asc_arc and facebook.com/W7ASC, respectively. We hope to have our web page back up shortly. All licensed amateur radio operators are invited to join us Wednesday and Saturday mornings at 0900 MST for the CARL Net on 440.375 MHz, offset +5.0, tone 100. The repeater is located on South Mountain.

We still need more volunteers to keep the shack open and fully staffed daily at Arizona Science Center. The pandemic has been hard on our recruiting efforts but be assured that we and ASC are taking every possible precaution to keep our volunteers and the public safe. Call the number above or contact me (contact info at end of column) to set up a date to discover the joy of sharing your love of amateur radio with the visitors at ASC.

Happy New Year!

No surprise here. Once a year, we dust off that phrase and pass it along as predictably as we draw our next breath. Personally, I’m not a staunch believer in fresh starts based on a calendar date. That’s a bit too infrequent for me. I need to reform my thoughts and deeds daily. HIHI (or LOL, if you prefer). But, I do pause to ponder the ideas behind those timeless words and phrases we use, often with little forethought. Words do matter - even for amateur radio operators.

Location, location, location

You don’t have to be a realtor to understand the importance of location. As amateur radio operators, our geographical location can be the difference between getting that rare QSO or not. But, more specifically, I’d like to think of location as

CARL Continued from Previous Column

where we sit in the scheme of interacting with the general public.

Physically, our ham shack inside Arizona Science Center places us in the middle of a large STEM community (half-a-million visitors yearly, pre-COVID). Science, Technology, Engineering, and Mathematics. We couldn’t be happier. Amateur radio embraces all four of those disciplines. But lately, STEM has evolved into STEAM, with the addition of the letter A for the Arts. And that has caused me to consider how the idea of form versus function might apply to C.A.R.L.’s mission and amateur radio in general.

The Chicken or the Egg?

Beginning in the late 19th century, form was said to follow function. That manual can opener in the back of your kitchen drawer was all about function. Nothing ergonomic about it. The sleek electric version on the counter top is a blend of form and function. You can thank the marketing department for that.

But, what about our radios? Early, mostly DIY, radios were all about function: making QSOs, while leaving the art of the encounter to the operator. Today’s radios are cutting edge technology – enhanced functionality – but they’re marketed like automobiles. You can spout all the performance figures you want, but when you flipped through the catalog or visited the showroom, your eyes took over. Form. The right combination of dials and displays conveniently located; a form factor compatible with your existing station; and curb appeal that screamed, “Take me home.”

But, is it Radio?

Have you ever heard a fellow operator decry the direction amateur radio is going? “That’s not radio,” they criticize. “I miss the good ole days,” they whine. Offer to trade them an old TX/RCV pair with enough vacuum tubes to heat their shack while spinning their electric power meter off the wall. We’ve come a long way to get where we are and I, for one, look forward to what comes next. Now, where did I put that article on spread spectrum adaptive-carrier transceivers? Full STEAM ahead.

73
de WB4ZSC Steve
vyix99@yahoo.com
480.570.1041



Continued Next Column



Public Service Calendar

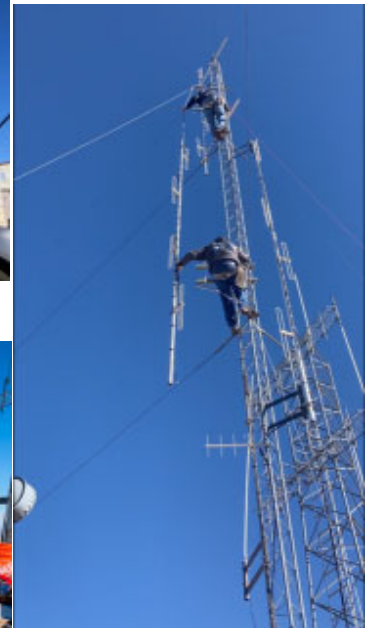
Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Xterra - White Tank	White Tank County Park	01/08/2022
Xterra McDowell Mtn	McDowell Mtn County Park	02/06/2022
Lost Dutchman Marathon	Apache Junction	02/20/2022
ADA Tour De Cure	West Valley	03/06/2022
Xterra Black Canyon Trail Run	Black Canyon City	03/13/2022
El Tour De Mesa	Mesa	04/02/2022
March of Dimes March for Babies	Wesley-Bolin Park, Downtown Phoenix	04/09/2022

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.

KARC Continued from Previous Column



Over a period of several weekends, the W7EH repeater on Greens Peak was totally rebuilt. The first trip up Keven Parmenter, Dennis Mills, Jim and Marie Mortensen, and Randy Beecroft went up and replaced the Motorola repeater with a Tait repeater. On this trip we also put in a UPS and battery backup.

On the next trip up, we changed some components in the Tait repeater to try to fix an intermittent problem that we had. We changed out the hard line that fed the antenna. The new to us hard line was provided by Doug Troxel. With the repeater change and the feeder change, we were still having problems with high SWR. The decision was made to purchase a new antenna from EMR. You will have to check with Dennis to make sure that I got the manufacturer correct. Bobbye Mills picked up the antenna and phasing harness from the manufacturer and brought them up from the valley.

On the next trip up, Jim and Marie Mortensen, and Keven Parmenter changed the Tait Repeater back to a Motorola repeater. You can get the model numbers from Dennis for the Tait and Motorola repeaters.

On the next trip up, had planned to do some antenna work, but the winds were so high that the decision was made to put it off to a later date. Some rewiring was done on the battery system and the Charger was changed out. All these trips up the mountain had the same crew of Keven, Dennis, Jim, Marie, and Randy. Marie took a lot of pictures.

On the next trip up, Jim and Marie Mortensen, Randy Beecroft, Doug Troxel and Ken Troxel went up and replaced the antenna. Randy was at the top of the antenna and Jim was at the bottom of the antenna. There was a cold wind blowing that day too, but not as strong as on the previous trip. Doug and his son were our ground crew and antenna builders. Jim and Randy stayed on the tower. The new antenna was hoisted up the tower and Jim and Randy bolted it into place and reconnected the hard line feeder. At the end of this trip, the whole repeater system had been changed. The W7EH repeater and antenna system that was up on Greens Peak was about 30-years old before it was replaced. We hope to get that kind of life out of the new repeater and antenna. If you are up in the White Mountains, give us a try on 145.310 – 110.9.

Continued Next Column



TBARC Continued from Previous Column

January 15, 2022 at the Glendale Nazarene Church, 5902 W. Cactus Road in Glendale. Tables are available if you have something you want to get rid of. If you're looking to enlarge your station, there will be a lot of great deals! Watch www.tbirdfest.org for news and updates.

December meeting

We don't have a general meeting in December, and the TBARC holiday banquet at Haymaker's is still a few days away, so I'm making predictions again. So far my accuracy has been about 50/50 on that, but I'm looking forward to some really good beef brisket. I cheated and peeked at the menu ahead of time! I hope to have seen you there!

Andrew Cornwall KF7CCC
kf7ccc@arrl.net



Elections - results!

At the December special board meeting, the election committee gave its report: Andrew Cornwall KF7CCC, Charlie Loftus KG7KRN, Robert Lutes N7NO and Rick Tejera K7TEJ were elected as board members for two-year terms, 2022 and 2023. Jeff Rogers KD7PYE and Paul Veltman WA6OKQ were elected as board members for one-year terms for 2022. Chuck Erickson K7CAE and Robert Fairfield K7RQN will serve the remainder of their two-year terms in 2022. Gary Duffield, the club trustee, has a non-elected board position. The one remaining position, past president, will depend on how the board votes in January - it will either be Brian McCarthy AK7F if Charlie is president, or Charlie if someone else is president. Welcome to the new board members! Thanks to our elections committee for getting the volunteers who ran for this election, and of course to everyone who ran as a candidate. You are what makes this a great club!



November 20 Activity and Gathering

Just as I predicted, the November 20 TBARC event was filled with radio operation, learning, and teaching. Rick made several satellite contacts and a lot of members got their first eyeball QSOs. The lunch... well, my predictive powers failed me there. We did, however, enjoy the tray of sweets that Israel brought with him. A lot of members have said they really enjoyed this event - the board has already started discussing what to do next!



Tim Duffy K3LR presentation

Once again, we'd like to invite you, your ham friends, and everyone else who'd be interested to our January meeting. Tim Duffy K3LR, CEO of DX Engineering and the force behind the K3LR superstation will be presenting to TBARC via Zoom on Thursday, January 20 at 7:00 p.m. The topic will be "Grounding and Bonding" - something that hams in Arizona know the importance of. Learn the best way to preserve your station from someone who's kept 13 towers in the air!



Hamfest on January 15!

We're inviting everyone to join us at the Tbirdfest, the Thunderbird hamfest and electronics sale on Saturday,

Continued Next Column

License Testing Information

When you are ready to take an exam for an Amateur Radio license, there are Volunteer Examiners available to assist you. Each Applicant will need to bring a picture ID (some test sessions require two forms of identification). 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 a 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.

January Test Sessions

Jan 1st - CHRClub Laurel VE Team -- 10:00 AM
Tri-City Baptist Church, 2211 Germann Rd, Chandler
Contact: ve@chandlerhams.org
No Accepted/Registration Preferred at:
chandlerhams.org/testing/

Jan 3rd - 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

Jan 3rd - Radio Society of Tucson -- 7:00 PM
Immanuel Presbyterian Church, 9252 E 22nd St, Tucson
Contact - Diane Zimmerman dzimmerman2002@gmail.com

Jan 4th - ARRL Ham Radio Exams -- 6:00 PM
Quadcities Christian Church, 501 S Senator Hwy, Prescott
Contact - J.M. Scherfling 928.632.2050
No Walk-Ins/Register or Call Ahead

Jan 8th, 15th, 22nd, 29th - 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

Jan 8th - 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 or Call Ahead

Jan 8th - Yuma ARC -- 9:00 AM
Yuma County Sheriff's Office, 141 S 3rd Ave, Training Rm 2, Yuma
Contact - John Ham 970.927.3273
No Walk-Ins/Register or Call Ahead
Appointment Only - Pre-register by Wednesday

Jan 10th - East Valley VE Group -- 6:00 PM
Charles K Luster Bldg, 640 Mesa Dr, Mesa
Contact - Ray Vasquez 602.363.4207
MUST obtain FRN prior to exam

Jan 15th - Northern AZ DX Association -- 10:00 AM
Flagstaff Fire Station #6, 3877 S Lake Mary Rd, Flagstaff
Contact - Michael Hanks 928.606.4437
No Walk-Ins / Register or Call Ahead

Jan 15th - Hualapai ARC -- 10:00 AM
VE's Residence, 3571 E Lum Ave, Kingman
Contact - Alyce Ingle 425.231.9173

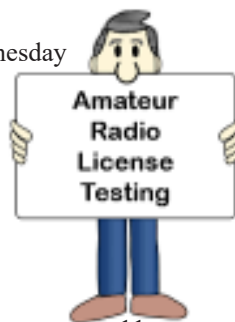
Jan 15th - West Valley Electronic Club -- 9:00 AM
The Shack, 11115 W Nevada Ave (111th & Nevada), Youngtown
Bring FRN, pencil & pen, and \$15.00
Contact - David Morrill 623.680.5011
No Walk-Ins / Register or Call Ahead / Limited Seating

Jan 18th - Boy Scout Troop 127 -- 8:00 PM
St Francis Xavier Church - Anderson Hall,
4715 N Central Ave, Phoenix
Contact - John Kelly 480.823.8993

Jan 19th - 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

Jan 29th - Arizona ARC -- 4:00 PM
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

FACE MASKS ARE REQUIRED





Hamfest Calendar

Our next meeting will be held on January 5th, 2022 at 7:00 PM via Zoom or in person, TBD.

New officers for 2022 are:

- President - James Wasson N7ELL
- Vice President - David Yee N7AJR
- Secretary - Bruce Harmsen KA9EYX
- Treasurer - Douglas Mitchell W7ADD
- Past President - Paul Finell W7EFQ

Members at large:

- Jim Dye AG7AU
- Scott Gillins W2KP
- Bill Kouchis N9EIV
- Ed Nickerson WU7S

Gene K0VN

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.



ADAW



***Martin Luther King Jr Day
February 17th***

15 January 2022 - **Thunderbird Hamfest** - hosted by the Thunderbird Amateur Radio Club will be held at the Glendale Nazarene Church, 5902 W Cactus Road, Glendale. Hours are 8:00 AM until Noon. General Admission - \$5.00 per person. Kids under 12 are free. Tailgating/Commercial Vendor spaces are \$10.00 per lined parking spot. Set up begins Friday after 5:00 PM and Saturday after 6:00 AM. VE Testing from 10:00 AM until 11:00 AM. Prizes - ARRL Card Checking - Seminars - Snack & Beverages. Talk-In Repeater - 147.040 MHz PL 162.2 - On-Site announcements - 146.56 MHz Simplex. For questions, email hamfest@w7tbc.org. Visit website at <http://www.tbirdfest.org/> for the latest information.

23-29 January 2022 - **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.

18-19 February 2022 - **Yuma Hamfest** - hosted by the Yuma Amateur Radio Hamfest Organization will be held at the Yuma County Fairgrounds, 2520 E 32nd Street in Yuma. Visit the web site at www.yumahamfest.org for up to date information.

12-13 March 2022 - **QSO Today Virtual Ham Expo** - sponsored by QSO Today will be held on-line. Visit <https://www.qsotodayhamexpo.com/> for details.

19 March 2022 - **Springfest** - hosted by the Scottsdale Amateur Radio Club will be held in the Fender Parking Lot, 17705 N Pacesetter Way in Scottsdale. Watch for more details. Visit the web site at www.scottsdaleare.org for updates.

26 March 2022 - **Tucson Vernal Equinox 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 until 11:00 AM with set up beginning at 6:00 AM. Admission and Parking. Seller Spaces \$10 per Parking Space. ARRL Card Checking - Prizes - NO VE Testing. Snacks Brought to You by BSA Troup 157. No Alcohol, Drugs, or Firearms. Talk-In Frequencies - FM:145.250 FM Tone 156.7. For Information & Map, visit <http://www.k7rst.org>

16 April 2022 - **April Hamfest at DeVry** - hosted by the Arizona Amateur Radio Club and the Arizona Red Cross Communications Club will be held at DeVry University, 2149 W Dunlap Avenue, Phoenix. Watch for details.

14 May 2022 - **2022 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 - \$5.00 per person. Full time students with ID and 16 years old and younger - FREE. Swap spaces - \$10.00 per space. Pre-registration for seller spaces at www.prescotthamfest.com is required. Due to limited space, RVs, Campers, and trailers will not be permitted. Talk-In Frequencies - 146.880 MHz (-) PL 100 Hz, 447.65 MHz (-) PL 100 Hz, or 146.580 Simplex. Contact Hamfest Chairperson - Frank Bender, K8FB at k8fb@w7yrc. Visit the web site at www.prescotthamfest.com for updates and additional details. SORRY NO GUNS, DRUGS, ALCOHOL, SMOKING, VAPING, OR FIREWORKS. ONLY LEASHED ANIMALS ARE PERMITTED.



December 9 was the day the AARC celebrated with their Christmas lunch party. It was especially enjoyable to get together with people who are friends and have the amateur radio interest in common, and what better location to do that than the Papago Buttes.

As I told you in the last ADAW issue, Steve W7WSV made the reservations, and the location was perfect and provided AC power. The view of Hole in the Rock as we were arriving at the party was spectacular. Sixteen people attended the party, most of them from the Phoenix area. Bob Sitterley K7POF, who attended from Chino Valley with his daughter Robbin W7POF, were probably our most-distant attendees.

The food was provided by the attendees, and I was especially amazed at how delicious it was. Dishes I have enjoyed before were much more delicious prepared by the AARC radio amateurs or their spouses.

Photos shown here are courtesy of the Geisslers.

73,
Lori, WA7EDI



In-person club meetings continue. The regular club meeting is held the second Saturday of the month at 9:00 AM. The meeting location is at the Chandler Tri-City Baptist Church. The church is located near the SW corner of Germann and S. Dobson roads. The church has rooms in the back, on the south side of their parking lot. That is where we will be located. Watch for temporary signage to direct you to the correct location. We are continuing with a hybrid meeting with both in-person and Zoom. As always, check our website chandlerhams.org for additional information. After the regular meeting a presentation of interest to Hams will take place. For January 8th, the presentations will be on Anderson power poles and EMComm.

After the regular presentation, we have added a new Elmer feature as a last part of our monthly meetings. Following the presentation, there will be a Q&A session. Everyone is welcome to participate in all or part of these monthly club meetings.

Our Thursday evening net continues at 8:00 PM. It is located on 443.050 MHz, + offset, and with a PL tone of 100. Thanks to MARCA for the use of their repeater located on South Mountain. Please 'check in' and see what it is all about.

Please check out our website. You will find links to our meetings and the calendar gives other events as well. We have added information about upcoming Hamfests, including some we will be participating in.

VE testing continues at the Tri-City Baptist Church in Chandler at 10:00 AM on the first Saturday of the month. We are proud to say that we have continued the testing throughout the pandemic. Now we are able to increase the number of applicants due to changes in the building limits and additional test personnel. Please check our website for registration. Contact information is also given in this newsletter and on the ARRL website. Slots are still booking fast, but we do have access to an additional room going forward so check it out as need be.

With January we have a newly elected board helping our club move forward. Dave – KJ4RS is the new club president. Join me in wishing Dave and the new board success in 2022 and beyond.

Mike – AA0MR
President CHRC
'Clear' on January 1st and 'monitoring'





Well we survived the fall contest season. There were many outstanding efforts by Outlaws, you continue to do us proud. As we head into winter and spring, there some good contests coming - ARRL RTTY Roundup, NAQP CW and SSB, ARRL January VHF and CQWW 160CW in January. The ARRL DX CW & SSB contests are in February and March. Ten Meters has shown on and off life but keep checking as sunspots are happening more frequently. 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 – increasing your rate. How many of you have tried SO2V? It does require a 2nd receiver in your radio or use the A/B VFO swap button (more difficult). SO2V is Single Op 2 VFO's on the same band. If you are single op unassisted, you can tune the 2nd VFO looking for new stations to work by listening to VFO A in one ear and VFO B in the other. If running assisted, you can right click on a call in the mults window to send it to the 2nd VFO. You can quickly switch to the 2nd VFO and work someone then switch back to your CQ frequency. You risk losing your run frequency if you take too long, plus it takes some practice, but this method can add 10-20 QSOs per hour. You will need to set up N1MM for SO2V in the config tab. I cannot speak for other contest programs.

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, 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 ends up with a claimed score of 60,622,699 points from 64 entries in the CQWW SSB and CW contests. We will see where this places us in the club category.

Based on claimed scores AOCC has two top ten scores in the multi-op, high power category for the ARRL Sweepstakes CW contest. KY7M @ NA7TB (KY7M & NA2U) is in 3rd place and K8IA (K8IA & KC7V) in 6th place. W8TK (W8TK & KE2VB) is in 2nd place in the multi-op, low-power category.

Continued Next Column



Snowbird Field Day - Wednesday, February 23, 2022

As we are primarily a “snowbird” club meeting during the winter months, we have had a tradition of hosting a “Winter” Field Day on the last Wednesday of February. Located in Mesa, AZ, our usual temperatures for February are in the 70+ F range. We all bring our portable antennas and setup in three ramadas in Red Mountain Park, and we do many bands, and many modes.

We will be operating from 1500-2100 UTC (8:00 a.m. - 2:00 p.m. local AZ time) on the last Wednesday of February (Feb 23, 2022).

We will be operating on:

20m - Phone: 14.230, CW, FT8, JS8Call.

40m - Phone: 7.200, CW, FT8, JS8Call

DMR radio — Talkgroup 31041

We will be logging and sending QSL cards. Our Callsign for the event will be W7ASL.

Sue Rogers W7SKH

President of Sunlife Amateur Radio Club



AOCC Continued from Previous Column

N6MJ @ ND7K is in 2nd place in the single-op, high power category. N2IC is in 1st place in the single op QRP category followed by N7IR in 4th place. K6LL is in 6th place in the single op unlimited high power category. N4ZZ is in 1st place in the single op unlimited low power category. We will see how this plays out after log checking. Awesome job by all.

A hearty welcome to our recent new AOCC members – K7ZOO, WI6R, AC7KN, K0XP and a welcome back to NE7EE. Hope to see scores from all of you.

We welcome all who wish to join the ham contesting/radiosport world.

73,

Mike KC7V





Due to the ongoing situation with COVID-19, the upcoming meeting will be held virtually using Zoom. The meeting will be Thursday night, January 6th starting at 7:00 p.m. (0200Z). If any of you reading this would like to join via Zoom or would like any other information about CADXA, send me an email: aa4q@arrl.net .

Also, if you read about this in ADAW after the meeting date, check our website <https://www.cadxa.org/> for more about the club including the upcoming meeting info!

The January program will be “Remote Operation for the Long Haul,” presented by Larry Loen, WO7R.

Larry has been operating a remote station since 2013. The station has gone through several iterations and also several unplanned adventures. Find out what it takes not just to put up a remote station, but to keep one on the air.

Larry holds 5BWAZ, Mixed Honor Roll and other lifetime high achievement DXing awards. He has done some DXpeditioning as well to places like V3, P4, PJ4, C6, and 6Y.

The December 2021 program was: “Transceiver Performance for the HF Contester and DX Operator,” presented by Rob Sherwood NC0B.

Many of the prior CADXA programs are available for replay at: <https://www.youtube.com/channel/UC9nMKw-3r3ygdLWxsGcqV2A>

CADXA has several year-long, on-the-air activities set up similar to CQ’s DX Marathon. This allows members to track their progress working DX against other members. It encourages working the common ones again every year in between chasing the really rare DX entities. Also, someone with a smaller station working lots of casual QSOs might beat out a DXCC Honor Roll guy with a KW and a ton of aluminum in the air. Tune in to our meeting to see this month’s status! Our repeater in Mesa is on the air and open for use with callsign K5VT/R at 147.32+ with 123.0 PL.

In this day and age, clubs may be looking for socially distanced speakers. At CADXA, many of our members have presentations on the world of DXing, QSLing, Contesting, Station Construction and related subjects ready to present to your club. We know how to present via programs like Zoom. Contact us through our website <https://www.cadxa.org/contact.html> or email us at cadxainfo@gmail.com or me at aa4q@arrl.net for details.

See you all on Zoom for the next meeting.

Here we are reading the first edition of ADAW for 2022. Last year was very hard for some in so many ways. For OVARC, we came through this past year alive and well. Of course with all of the restrictions, it was hard to do anything much less plan for meetings and outings.

There were many good things that happened in 2021, even for OVARC. Our transition to digital repeaters continued from the previous year and many are seeing the benefits of having more than a single mode on VHF/UHF. Early last year, we replaced GroupSpaces with groups.io. Thanks to Logan-KE7AZ and David-AK2L for doing all of the heavy lifting as we navigated this transition.

In February, an ice storm on Keystone Peak took out our receiving antenna along with several other antennas at the site. Thanks to Gary-AE7GP and David-KC0LL, we were not off the air for very long before a new antenna was installed.

Many of us wished we were at Hamvention as we approached the middle of the year; the Pandemic was still in play. In May, we began to consider the prospects of in-person VE sessions and in-person member meetings. In-person VE sessions resumed in May under the leadership of David-AK2L. Once we were advised that Ascension Lutheran Church was not allowing any outside groups to use their facility, we began the search for a new meeting venue. Thanks to Jim-W5ZIT, we were pleased to discover The Mountain View Baptist Church which has been very accommodating.

In August, we finally finished our work on insuring the club. Behind the scenes, Fred-W2HZ was quite busy collecting donations for our planned HamFest.

In July, we launched a comprehensive member survey to help the board understand the strengths and weaknesses of the organization. Also in July, the Marana repeater took a lightning strike that was quickly remedied by Gary-KT7AZ.

In October, we held our first in-person meeting for 2021. It went extremely well thanks to Carl-KB7AZ for his technical talents with the AV equipment.

In November, we held our annual Hamfest and it was the best one we’ve ever had. Thanks to Hanna-KG7TPD for making all of the arrangements. So many others contributed to the HamFest as I noted in my previous column. Unfortunately, even though we could probably have held a Christmas Holiday Party, there just wasn’t enough time to arrange for a venue, gather the food, and execute. Nevertheless, I wish all of you the best during this holiday season no matter what occasion you are celebrating.

Merry Christmas and Happy New Year!
Steve – W1SR

73,
Bill Poole, AA4Q - CADXA President 2021 - aa4q@arrl.net



Club Election Results for 2022

The 2021 Officers retained their seats, largely unopposed, in November's online election. Club members cast 110 ballots. President and Vice President each had two write-ins with one vote each.

Ten people ran for seven seats on the Board. The 2022 Officers and Board are listed in the Member Clubs section of this ADAW, on Page 3. They are the election winners.

To see a more complete report from the election, please see the December 2021 Communicator, our club newsletter on our website.

January 18 Junque Auction and Meeting at 7:00 PM in Chandler

This month only, the meeting will be at the St. Katherine Greek Orthodox Church, 2716 N Dobson Rd, Chandler (south of Elliot Rd). The doors open ahead of time for people with auction items to bring in and register. The meeting will begin at 7:00. It will be on ZOOM for those unable to attend in person.

Visitors are Encouraged to attend. Visitors: Please email the President@SuperstitionARC.org at least a full day in advance for the ZOOM link.

Please visit our website for directions and specific instructions.

Superstition SuperFest 14 Prize Winners

Grand Prize Drawings: 1st Prize, ICOM IC-705: John Jarvis, KG7ABC. | 2nd Prize, Yaesu FT-891: Bill Lambert, KG7UPR. | 3rd Prize, Yaesu FTM-400: Scott Bushman, WI7Y.

Door Prize Drawing: NanoVNA-H4 (10 kHz – 1.5 GHz) 4-inch Touchscreen Vector Network Analyzer: Bert Cheney III, N7VAC

Hourly Box Prizes, each worth from \$300 – \$500, with each box numbered and winners can choose a box: 9 AM: Bryan Hubbard, KF7DPC, Box#3. | 10:00: John Jarvis, KC7ABC, Box#1. | 11:00: Hercul Spears, KJ7WHS, Box#5. | Noon, two drawing winners: Jeff Harris, K2DFE, Box#2 and Brent Butler, W7FK, Box#4.

Hourly Solar Prizes (Donated by Santan Solar of Gilbert): 9 AM: JD Smaylis, KF7VOX. | 10:00: Sean Callaghan, K8BVY. | 11:00: Paul Walicke, KG7OGR. | Noon, two drawings: Rod Buelterman, WB7PHK & Brad Dassonville, AA7YG.

The President's Corner

(Published before the SuperFest) –by Steve, KB7KWK

It is that time of the year for the club's biggest event, The Superstition SuperFest. Our hamfest is one of the biggest in the area and will be held on December 4th at Superstition Springs Center in East Mesa. This year we had to move the event from MCC where it had been held for many years in the past. Because of the Covid Pandemic, MCC made some changes and the club was unable to continue the event at this location. The new location at the Mall should work out great. There is shopping and restaurants nearby.

We expect a lot of people to attend the SuperFest this year. For the last couple of years, the Covid pandemic has prevented folks from getting out to public gatherings and hams are ready to hit all

Continued Next Column

Superstition Continued from Previous Column

the hamfests in the area. The Hamfest Committee has sold almost all of the tickets to the event this year.

We have a lot of good prizes that will be raffled off this year. Even the hourly prizes are great, totaling from \$300 to \$500 each.

I would like to thank John Wolven, KG7NSP for his hard work over the last few years as the SuperFest Chairman. It is quite a job to organize this event and takes all year long to make sure a 6-hour event runs smoothly.

Also, I would like to thank Matt Churchill, K7YEG for stepping up as Chairman for 2022. Matt has been working with John all year to learn the ropes and run with it. Matt will need some help on this committee so please join. As we have been talking about all year, it takes a team to operate this event. Without the help of club members, we would not have a hamfest. One or two people cannot do it.

This year's SuperFest is dedicated to Dale Schmidt, N7QJK who became a silent key in October. Dale was the club's webmaster. Dale spent many years on the Board of Directors and spent countless hours on the SuperFest committee.

73 all and I hope to see you at the SuperFest.

Club publication Article Submission deadlines:

ADAW: Please submit information to this column by the 5th of this month, for next month's issue, to WB7C@SuperstitionARC.org. ADAW will publish later this month.

Communicator: Please submit articles by the 27th of this month, for next month's issue, to Editor@SuperstitionARC.org. Communicator will publish to club members early next month.

73 – Larry Kuck, WB7C for Superstition ARC's part of this ADAW.

Superstition ARC Repeaters

- 147.120 MHz(+) 162.2 Hz - Linked to 449.600(-)(Analog Only)
- 449.600 MHz(-) 100.0 Hz - Linked to 147.120(+)(Analog Only)
- 448.275 MHz(-) 100.0 Hz - Fusion
- WB7TJD-L Echolink Node

Club Nets

- Morning Drive Time Net:** Mon-Fri, 7:00-8:00 AM - Trivia
- Saturday Supershow:** Sat, 8:00-9:00 AM - Trivia
- Weekly 6 Meter Sideband Net:** Wednesdays, 7:00 PM on 50.140 MHz, W7ASL-L EchoLink, and 145.575 FM Simplex
- Club Net:** Wednesdays, 8:00 PM - Discussion, Elmer Q&A.
- Mesh Information Net:** Thursdays, 7:00 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

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.superstitutionsuperfest.org for the latest information.

Continued on Page 17

An Amateur Radio Christmas Eve!

by Fred, WB4AEJ

'Twas the night before Christmas...
And all through my shack...
My radios were working...
In my nineteen inch rack!
My tower was anchored!
My beam pointed north...
When suddenly my S-meter...
Wildly rocked back and forth!
The rig was receiving...
All kinds of stray sound!
It led me to wonder...
If it was a poor ground!
When all of a sudden...
On twenty meters...
I heard CQ coming...
As I checked my S-meter!
"On Dasher, on Dancer,
On Prancer, and Vixen...
On Comet, and Cupid...
And Donner, and Blitzen!"
"To the house with the beam...
Pointed straight to the north!
I have presents for the amateur!
Radio equipment, of course!"
I heard that message...
And then I just said...
"I must hide so that Santa...
Will think I'm in bed!"
When suddenly outside...
Such a racket came past...
I feared that my tower...
Had come loose from its mast!



CQ, CQ, CQ
Came the call!
My speaker thundered..
An intelligible squall!
On the rooftop I heard...
Such a frightening sound...
Then from the large chimney...
He appeared with a bound!
He had radios, antennas,
And coax, of course!
They were chosen for me...
Coming right from their source!
With Kenwoods, and Yaesus!
He called them by name...
And he knew anything less...
Would seem such a shame!
The Alincos and Icoms...
Were all such great choices!
As he turned them all on...
I could hear the hams' voices!
In my stocking he placed...
The Extra class study guide!
He also left connectors...
And then he just sighed!

He returned to the chimney...
And he fingered his nose!
Then up the large chimney...
St. Nicholas rose!
I heard the loud clatter...
Of sharp reindeer hoove!
Our Home Owners Association..
Simply would not approve!
Then Santa took off...
In an orderly way!
With no time to waste...
He flew on in his sleigh!
I heard his CQ...
As his sleigh turned about!
And he spoke my call!
So I replied in a shout!
"This is my contact...
With an aeronautical sleigh!
To all radio amateurs...
We've had a good day!"
And I heard him exclaim...
As he went QRT!
"Merry Christmas to all!
And the Season's 73!"

Courtesy of the Superstition Amateur Radio Club

ADAW

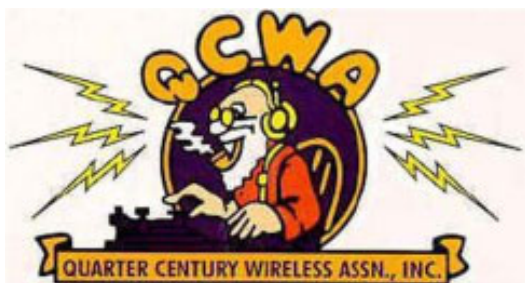


*National Hat Day
February 15th*



*National Pie Day
February 23rd*

No Reports Received



CHAPTER16
BARRYM.GOLDWATERARIZONACHAPTER



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VHF - 146.84 MHz - PL 162.2 / UHF - 446.900 MHz - PL 131.8
Echolink Node #731289 - K7ARC-R



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FTDX101MP | 200W HF/50MHz Transceiver

• Hybrid SDR Configuration • Unparalleled 79 dB Max. Attenuation VC-Tune • New Generation Scope Display 3DSS • ABL (Active Band Indicator) & MPVD (Multi-Purpose VFO Outer Dial) • 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

Rugged Construction in an Ultra Compact Body • Stable 100 Watt Output with Efficient Dual Internal Fans • 32-Bit IF DSP Provides Effective and Optimized QRM Rejection • Large Dot Matrix LCD Display with Quick Spectrum Scope • USB Port Allows Connection to a PC with a Single Cable • CAT Control, PTT/RTTY Control



FTM-400XD | 2M/440 Mobile

• Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd 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, 9MHz 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 (SCU-LAN10)



FTM-300DR | C4FM/FM 144/430MHz Dual Band

• 50W Reliable Output Power • Real Dual Band Operation (V+V, U+U, V+U, U+V) • 2-inch High-Res Full Color TFT Display • Band Scope • Built-in Bluetooth • WIFES-X Portable Digital Node/Fixed Node with HRI-200



FT-70DR C4FM/FM 144/430MHz Xcvr

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



FT-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 USB Capable • Internal Automatic Antenna Tuner • High Accuracy TCXO



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

• Massive heatsink guarantees 80 watts of solid RF power • Loud 3 watts of audio output for noisy environments • Large 6 digit backlit LCD display for excellent visibility • 200 memory channels for serious users



FT-3DR C4FM/FM 144/430 MHz Xcvr

• 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 • Simultaneous C4FM/C4FM Standby • Micro SD Card Slot



FT-65R | 144/430 MHz Transceiver

Compact Commercial Grade Rugged Design • Large Front Speaker Delivers 1W of Powerful Clear Audio • 5 Watts of Reliable RF Power Within a compact Body • 3.5-Hour Rapid Charger Included • Large White LED Flashlight, Alarm and Quick Home Channel Access



FTDX101D | HF + 6M Transceiver

• Narrow Band SDR & Direct Sampling SDR • Crystal Roofing Filters Phenomenal Multi-Signal Receiving Characteristics • Unparalleled - 70dB Maximum Attenuation VC-Tune • 15 Separate (HAM 10 + GEN 5) Powerful Band Pass Filters • New Generation Scope Displays 3-Dimensional Spectrum Stream



FT-818ND | HF/6M/2M/440 All Mode Portable Xcvr

• Ultra-Compact/Portable • Multi-Color Easy to See LCD • 208 Memory Channels/19 Memory Groups • Built-in Electronic Keyer • Internal Battery Operation Capability • Two Antenna Connectors • Built-in High Stability Oscillator ±0.5 ppm



FT-60R | 2M/440 5W HT

• Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



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



HRO Phoenix is the home for all your Ham Radio gift giving needs. We also have Gift Certificates to make your Holiday shopping easier. Thanks for making 2021 a great year and we look forward to seeing you in 2022.

For your last minute shopping, we will be open on 12-24 and 12-31 from 10am to 3pm.

(We will be closed on 12-25-2021 and 1-1-2022.)

Happy Holidays from all of the staff at HRO Phoenix.

Now serving you at our Phoenix store:

Manager Ron AJ7T, Mike K7DD, Bob W8RH, Richard K1RAB, Ira AI7HC, Jim KE7EU and Cregg.