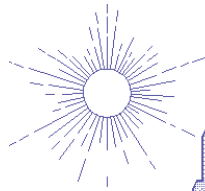


ADAW

10498 Monserrate St
Elk Grove, CA 95757-1765



ADAW

Arizona Desert Aire Waves

Vol 47 No 10

October 2022

CLUB MEETING SCHEDULE

SARC

Oct 4th - 7:00 PM
via Zoom

AARC

Oct 13th - 7:00 PM
American Red Cross/Echolink

AzRCCC

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

AMO

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

SuperstitionARC

Oct 18th - 7:00 PM
Charles K Luster Bldg-Mesa

CHRC

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

ANSR

Oct 20th - 7:30 PM
via GoToMeeting

KARC

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

OVARC

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

SunLifeARC

Every Monday - 10:00 AM
Via Zoom

YARC

Oct 6th - 7:00 PM
Prescott Rodeo Grounds

TBARC

Oct 20th - 6:30 PM
Arizona Christian University

ATN (VOAR)

Postponed
www.whereby.com/atn1

QCWA-AZ Chapter

TBD
Various

CADXA

Oct 6th - 7:00 PM
Bethany Lutheran Church

ARA

Oct 27th - 7:30 PM
Denny's - Tempe & Zoom

CARL

TBD
Check Web Site

MMRG

See Web Site

MARCA

Oct 18th - 6:30 PM
Denny's - Tempe & Zoom

MARA

Oct 1st - 9:00 AM
Maricopa Public Library

WVARC

Oct 3rd - 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 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

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	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
	Paul Veltman	WA6OKQ	wa6okq@w7tbc.org
	Chuck Erickson	K7CAE	k7cae@w7tbc.org
	Robert Fairfield	K7RQN	k7rqn@w7tbc.org
Past President	Brian McCarthy	AK7F	ak7f@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.

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: info@k7arc.org

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	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	Brian McCarthy, AK7F	ak7f@w7ara.net
Vice-President	Dennis Bietry, KE7EJF	ke7ejf@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
Patrick Baldwin KI4NSF	ki4nsf@w7ara.net
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 Greek Orthodox Church, 2716 N Dobson Rd, Chandler. February through November - Zoom and Charles K Luster Building, 640 N Mesa Drive, Mesa. **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

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	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 mor information. Contact club president for zoom link.

President	Bill Poole	AA4Q	aa4q@arrl.net
Vice President	Virgil Silhanek	K7VZ	k7vz@arrl.net
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: 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	John Snedden	KT7P	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		
	Jane Lerette	K7ZHF	
	Ray Kolman	KI7COM	spudsmn@gmail.com
	Mike Schnell	NC7X	ka9cid@gmail.com
	Bill Noe	WG7U	

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	Gary Pierce	AE7GP	ae7gp1@gmail.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	Debby Smith	KJ7MIQ	vp@chandlerhams.org
Secretary	Mary Stephen	AE6Q	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

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 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	Danny Hoerr	KM4HFT
Vice-President	Bill Ciccone	KA2KHV
Secretary	Lee Ann Ciccone	KJ7AZR
Treasurer	Bob Runke	AB7RR
Board Member:	Chris Van Camp	KJ7NOP
	Joe Jacobson	KJ7PUL
	Frosty Oden	NQ1S
	Larry Johnson	WO7C
Committees:		
Membership	Krissy Larson	KI7GJJ
Technical Advisory	Frosty Oden	NQ1S
Equip. Donations & Sales	Ken Jenkins	WB6MMV
	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 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.



ADAW Staff

PUBLISHER / MANAGING EDITOR

Christine Kesauer	N7PVL	602.843.0960
AARCEDITOR		
Lori Cripps	WA7EDI	602.955.7517
AMOEDITOR		
Robert Fridel	N3BZ	610.577.6907
ANSREEDITOR		
Steve Miller	W6SDM	602.290.1603
AOCCEEDITOR		
Mike Fulcher	KC7V	480.522.4332
ARAEDITOR		
T D Kennard	N7ISR	adaweditor@w7ara.net
Joe Bakas	KE7WHE	adaweditor@w7ara.net
AzRCCCEEDITOR		
Charlie Zurenko	N2TFS	chazur@icloud.com
ATNEEDITOR		
Rod Fritz	WB9KMO	wb9kmo@gmail.com
CADXAEDITOR		
Bill Poole	AA4Q	billpoole@yahoo.com
CARLEEDITOR		
Steve Warford	WB4ZSC	480.570.1041
CHRCEDITOR		
Walter Lawrence	KK7AEV	walter.dkk@gmail.com
KARCEEDITOR		
Bobbie Mills	KA7MIZ	ka7miz@dmbam.com
MARAEDITOR		
Bob Howard	W8RH	w8rh@live.com
MARCAEDITOR		
Norm Johnson	AA7OO	480.278.2886
MMRGEDITOR		
Lori Cripps	WA7EDI	602.955.7517
OVARCEEDITOR		
Steve Wood	W1SR	nauset2222@yahoo.com
George Cooley	NG7A	george@ng7a.com
QCWAEDITOR		
Carl Foster	KB7AZ	carlfoster@cactuscomm.net
SARCEEDITOR		
Gene Geller	K0VN	612.670.9358
SunlifeEDITOR		
Judy Ferrara	K7JLF	k7jlf@yahoo.com
SuperstitionARCEEDITOR		
Larry Kuck	WB7C	editor@us60.us
TBARCEEDITOR		
Andrew Cornwall	KF7CCC	kf7ccc@arrl.net
WVARCEEDITOR		
Bob Conlin	KJ7JNR	tallbob14@gmail.com
YARCEEDITOR		
Don Bauer	WB7TPH	dbauer2250@aol.com
ADAWEMAIL		adaw@adaw.org
ADAWWEBSITE		www.adaw.org

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From the Editor's Desk

Hi all,

Did you get to attend one of the hamfests that took place in September? If not, there are two more chances in October. And there's also an operating event for you to participate in, if you have the inkling to do so.

On October 1st, the Tonto Amateur Radio Association (TARA) will hold its annual Ham Swapfest at Rumsey Park in Payson. This event features tailgaters, vendors, and VE testing. There's even a potluck BBQ after the swapmeet. You are encouraged to bring your own meat and something to share with everyone. See the Hamfest Calendar on page 11 and their flyer in the flyer file for more details.

The 2022 ARRL Arizona State Convention takes place in conjunction with Copafest on October 29th in Maricopa. Located at the Ultrastar at Ak-Chin Circle, this event has it all. There will be the usual activities associated with a convention/hamfest - tailgating, vendors, VE testing, prizes, etc. - plus all the extras available in the Multitainment Center! There's even a casino with a hotel and dining available within walking distance. A great getaway for the whole family - ham and non-ham alike. If you haven't been to this event before, you owe it to yourself to check it out. See the Hamfest Calendar on page 11 and the Copafest flyer for more details.

The Arizona QSO Party, sponsored by the Amateur Radio Council of Arizona, returns on October 8th. The contest runs from 1500z October 8th through 0500z October 9th, 2022 (UTC) on the HF bands using CW and Phone. There are six entry categories from which to choose. To find out more, visit the web site at www.AZQP.org

That's three events in Arizona this month for you to enjoy. Choose one (or more) and have a great time!

Halloween will be celebrated this month with the usual parties, haunted houses, decorations, and trick or treating. Please be especially mindful of the costumed little ones out enjoying the fun of visiting neighbors' houses for treats.

Enjoy the cooler weather. "See" you next month.

73,
Christine, N7PVL

ADAW

Public Service Calendar

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Cave Creek Cactus Classic	Cave Creek	11/12/2022
Phoenix Half Marathon	Downtown Phoenix	11/13/2022
Xterra San Tan Trail Run	San Tan Park	11/13/2022
Xterra Estrella Mtn Trail Run	Estrella Mtn Park	12/11/2022
AuxComm Interest	TBD	12/31/2022
Pancake Run	Former Paradise Valley Mall	02/05/2023
Black Canyon 100K	Spring Valley to New River	02/18/2023
Lost Dutchman Marathon	Apache Junction	02/19/2023
Xterra Black Canyon Trail Run	Black Canyon City	03/12/2023
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.

ADAW



Happy Halloween



AMATEUR RADIO SERVICE DEMONSTRATION STATION

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

ASC is open daily, 10:30 a.m. – 4:00 p.m., and the ham shack hours are essentially the same, dependent on availability of volunteer staff. Our Twitter feed and Facebook 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.

W7ASC Makes a Contact With the International Space Station

On Friday, August 19, 2022, there was a large group of youngsters visiting the Arizona Science Center. Volunteers were told they were a group from a home school organization. This is Thomas’ NE7X report:

“At 1300 hours MST, we starting tracking the ISS (International Space Station) with our satellite radio setup and we had a major unexpected surprise. As soon as we had AOS (Acquisition Of Signal), we heard Dr. Kjell Lindgren KO5MOS, astronaut aboard the space station, calling CQ using the callsign NA1SS. We called him and he immediately responded and said ‘W7ASC Welcome Aboard the International Space Station!’ Several kids started gathering around the radio and we heard Dr. Lindgren call CQ again. No one responded, so I called Dr. Lindgren again and informed him that W7ASC was at the Arizona Science Center and we had a group of kids standing by listening to him. He responded back telling the kids he was an astronaut aboard the International Space Station and then he welcomed them aboard. I responded with thank you and 73s. He called CQ again and no one responded. Now we had about 12-13 kids and their parents standing around the radio. Since no one else was responding to his CQ, I called NA1SS again informing him we now had more kids listening. He responded once more telling everyone he was an astronaut about the international space

Continued Next Column

CARL Continued from Previous Column

station and welcomed them aboard. We basically had communications with Dr. Lindgren for the full 15 minute pass.

“Signals were excellent, full quieting, audio was perfectly understandable from the space station. You should have seen the look on all the kids (including the parents) faces. Actually I think myself was one of those kids!”

Jerry K1GJQ, who was also at the station during the contact, declared “It was very cool!” Jack KD7ROB, CARL’s club president, feels this contact was an “amateur radio holy grail.” Rusty WA8ZID, who has been spearheading W7ASC’s satellite operations re-emergence stated “great work - a lot of people contributed to getting that contact over the months. A goal achieved!” & has confirmed a LoTW logging for the contact. Rusty also sent a W7ASC QSL card to the ISS manager via US mail.

Monique Estes, the volunteer coordinator at the Arizona Science Center expressed “What a great experience for the kids and kids at heart!” The Arizona Science Center tweeted out an announcement of this exciting contact with the ISS that afternoon (see photo).



Tweet from the Arizona Science Center commemorating our contact with the ISS on 19 August 2022.

Continued on Page 9



TBARC Continued from Previous Column

a group of hams who have asked to use the TBARC repeater for emcomm tests with digital modes. Headed by Paul KQ7V, they'll be experimenting at irregular intervals. If you're interested, feel free to participate in the fun - you'll need FLDigi and the FLMmsg software (which you can get at <http://www.w1hkj.com/>) and a way to connect your 2m FM radio with your computer. Join in to practice digital communications valley-wide.

AZ QSO Party in Phoenix and Flagstaff

It sounds like we'll have groups for the AZ QSO Party operating in both Flagstaff and Phoenix. The Phoenix location will be at Arizona Christian University. We'll be operating on October 8 from about 8:00 a.m. in the morning, and running until some time in the evening. The Flagstaff contingent will be at Jack's cabin in Flagstaff, with many people driving up Friday, operating Saturday, and then coming back Sunday or Monday. They'll make use of the whole operating time, 8:00 a.m. through 10:00 p.m. on Saturday. Either way, join us to learn about operating a pileup - AZ callsigns will be in demand!

Bylaw Revisions

We're still a few days away from the election in November, but a number of board members see a need to revise the bylaws to allow for more flexibility regarding membership proration. If you attended the September meeting, you probably saw the draft amendments. Consider them and be ready to vote in November.

Elections coming up in November

Speaking of elections, the club elections are happening again this November. The election committee will be looking for candidates. Are you one of them? We need your perspective to help the club remain fresh and reflect what the members really want. Consider running for a board position and share your expertise with us!

A Ham Club at Arizona Christian University

Charlie's been establishing relationships at Arizona Christian University, and has found enough students with interest who might want to form a club of their own. The Thunderbird Amateur Radio Club is happy to assist with their efforts and help them out, and have invited those students to our meetings. If you see them, say hi! If I remember right they're still working on getting their technician licenses, so help them out if you can.

NBEMS digital experiments

If you've been monitoring the TBARC Deer Valley repeater (145.330 MHz, -600 kHz, 162.2 Hz tone), you might have heard some unusual sounds on Tuesday nights from around 6:00 p.m. to 7:30 p.m. It's not a problem with the repeater! It's

October meeting

We'd love to see you at our next meeting! As usual, it's on the third Thursday of the month. The meeting will be hybrid: in person at Arizona Christian University or online with Zoom. October's meeting will be all about Parks on the Air, or POTA. Our vice president, Rick K7TEJ will be presenting. Check the website for the conference URL and Zoom dial in numbers. Or just join us in person at 59th Avenue and Greenway Rd. The choice is yours! Either way, we'll see you at the meeting!

Andrew Cornwall KF7CCC
kf7ccc@arrl.net

ADAW

CARL Continued from Page 8

Super Bowl Special Event Station @ W7ASC

NFL Super Bowl LVII (57) will be played in Glendale, AZ on February 12th, 2023. To commemorate this event, CARL will be hosting a Super Bowl Special Event station slated for February 6th through 14th using our callsign W7ASC. During the course of this special event, CARL will be looking for additional volunteers to help operate the special event station. You won't need to be a CARL member. We often hear from hams who live in neighborhoods with HOAs and don't have an HF station at their home QTH. This will give them an excellent opportunity to operate HF from our club station at the Arizona Science Center.

Logistics & plans are currently being drawn up with the Arizona Science Center & CARL members. Keep an eye on this column for further details as we get closer to this special event.

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

ADAW

Continued Next Column



The recent weeks have been a real test of our repeater systems here. After what appears to be lightning strikes and power surges on Keystone Peak, we are finally back up and running. We have identified the weak links in our taking steps to harden our repeater on Keystone Peak. This will require some investment in hardware and a few trips to the top.

Our FM Sunday evening net is going along quite well and the number of check-ins continues to climb. If you haven't given this a try, we invite you to join us every Sunday evening at 7:30 PM local time on the Keystone Peak repeater 146.62. Further details are on the website, so program your radio and please join us. The net lasts about 15 minutes from beginning to end so it won't take you away from your other activities for very long.

Our November Hamfest is approaching quickly. We are always happy to receive ham radio-related donations. So if you have one or know of someone that does, please get in touch with an OVARC member so we can arrange to pick it up. Our sales table this year will be even more populated than last year, so please circle the date on your calendar for our November 12th Hamfest. It will be held at the same time and the same place as last year, and as you might recall, we have some great raffle prizes at the event.

Thank you to Gary-KT7AZ and Gary-AE7GP for all of their hard work and hours, contributed to getting Keystone back up over the past few months. Your hard work is appreciated by so many that use this repeater and we are grateful.

As we look forward to cooler weather, we also anticipate several other events coming over the next few months including a Holiday Christmas party which is not too far off.

As always, stay tuned to our website www.tucsonhamradio.org for the latest information about everything going on OVARC.

Stay safe and 73 Steve-WISR



On September 1st, Arnie Shatz N6HC presented DXpedition Medic and Operations. He shared the steps he takes to prepare that are needed to go on many of the DXpeditions he's been a member of. A lot of planning is required, including medical history of everyone and a well-organized suitcase of medical supplies. Arnie shared slides and stories of a few incidents he's encountered over the years.

Following the main presentation, Bill Clark K6WSC, Arizona QSO Party Chairman, shared information on the upcoming AZQP on October 8th. Full information can be found at <https://www.azqp.org/>

Several CADXA members have been involved with the special events for the Navajo Code Talkers which are celebrated every August 14th. Of the 400 Code Talkers who served in WWII, only three are still alive. This year, they also had ground breaking on a new museum in Tse Bonito, New Mexico. For more information, visit <https://www.nationalnavajocodetalkersday.com/navajo-code-talkers-museum>

If you missed the meeting, the recording is available for viewing at <https://youtu.be/0TYxtS7EMA0>

Don't miss our next meeting on October 6th. Glen Popiel KW5GP is returning to present on Arduino: The Next Generation. We look forward to hearing the new and advanced projects in the ham shack that he's come up with for Arduino devices.



**Columbus Day
October 10th**

Hamfest Calendar

1 October 2022 - **TARA Ham Swapfest** - hosted by the Tonto Amateur Radio Association will be held at Rumsey Park, 400 McLane Road in Payson. Hours are 8:00 AM until 2:00 PM. Admission is free. Tailgaters are \$10.00 and vendors are \$20.00 per table. VE testing will be held from 7:00 AM until 9:00 AM. There is a \$15.00 fee for the test. A potluck BBQ will follow the swapmeet until 4:00 PM. Bring your own meat and something to share. Contact Bruce Johnson at 928.474.4154 (email - stretch8@q.com) for more info. Visit the website at <https://n7tar.org/>

8 October 2022- **Arizona QSO Party 2022** - See flyer for details.

29 October 2022 - **2022 ARRL Arizona State Convention/Copafest** - hosted by the Maricopa Amateur Radio Club will be held at The Ultrastar at Ak-Chin Circle, 16000 N Maricopa Rd in Maricopa. Hours are 7:00 AM until 1:00 PM. Admission Donation is \$5.00 per person. Spaces are \$10.00 for two parking spaces. Set up begins at 5:00 AM. Balloon Launch, VE Testing, Card Checking, Vendor Exhibits, Seminars, Prizes and more. Many activities available in the Multitainment Center including laser tag, bowling, movies, games, dining and more. Dining and Hotel also available. For information, email fest@copafest.org or visit the website at www.copafest.org.

5 November 2022 - **HARKfest Tailgate Hamfest** - hosted by the Hassayampa Amateur Radio Klub will be held at North Ranch Escapees RV Park, 30625 S Hwy 89 in Congress. Hours are 8:00 AM until Noon. Free Admission. Free Tailgating & Vendor Sites. Must pre-register via email to djgrooms@yahoo.com. Overnight full RV hook-up or dry camping. Contact North Ranch Escapees at northranch@escapees.com to reserve. Free Ham Radio License Testing - Must pre-register via email to cecarter39@yahoo.com. Grand Prizes - Door Prizes - ARRL Card Checking. Talk-in on 146.580 (simplex) or 146.620 repeater (PL 162.2). Contact Duane Grooms, KD0KYK at djgrooms@yahoo.com for more information. Visit the web site at harkaz.org.

12 November 2022 - **Oro Valley 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.

19 November 2022 - **Tailgate Swapfest** - hosted by the West Valley Electronics Club will be held at 11115 W Nevada Ave in Phoenix. Hours are 8:00 AM until 12:00 PM. VE Exams at 1:00 PM Parking for buyers is located on both sides of Nevada Ave. For more information, contact Fred K7WFP at fpeters5227@gmail.com or Gary K8BKB at garyfranklin9@gmail.com. Spaces are limited so RSVP to westvalleyhamshack@gmail.com.

3 December 2022 - **Superstition SuperFest** - hosted by the Superstition Amateur Radio Society will be held at Mesa Community College, Southern & Dobson Campus in Mesa. Watch for more details.

14 January 2023 - **Thunderbird Hamfest** - hosted by the Thunderbird Amateur Radio Club will be held at the Glendale Nazarene Church, 5902 W Cactus Rd in Glendale. Stay tuned for all the details.

23-28 January 2023 - **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.

17-18 February 2023 - **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.

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.

ADAW



to our big cheese...
October 16th

ADAW

License Testing Information

When you are ready to take an exam for an Amateur Radio license, there are Volunteer Examiners available to assist you. Each Applicant will need to bring a picture ID (some test sessions require two forms of identification). An FCC-issued FRN number is required. If you do not have an FCC-issued FRN number, visit <https://apps.fcc.gov/coresWeb/publicHome.do> to obtain one. If you are upgrading your class of license, be sure to bring the original (and a copy) of your license and/or Certificate of Successful Completion of Examination (C.S.C.E.). There may be an exam fee required.

PLEASE NOTE: Dates, times, locations, fees may change. Arrive promptly at time listed. Fees may vary and exact change or check is required at most sessions. Call test session contact to confirm information. Walk-ins are permitted unless otherwise specified.

IMPORTANT NOTICE: In light of the current situation with the COVID-19 virus, please call to verify whether test session will be held.

October Test Sessions



Oct 1st - CHRC Laurel VEC Team -- 10:00 AM
Tri-City Baptist Church, 2211 Germann Rd, Chandler
Bldg D, Room 170
Contact: ve@chandlerhams.org
Walk-Ins Allowed / Registration or Call Ahead
Register at: chandlerhams.org/testing/

Oct 1st - Tonto Amateur Radio Association -- 7:00 AM
Rumsey Park, 400 N McLane Rd, Ramada 5, Payson
Contact: Darde De Roulhac 928.468.1487

Oct 1st - K7ARC VE Team -- 10:00 AM
American Red Cross, 4747 N 22nd St, Phoenix
Contact - Brandi Bridges VE.Testing@k7arc.org
No Walk-Ins / Register at k7arc.org

Oct 1st - Yavapai ARC -- 9:00 AM
Jeep Posse Bldg in Pioneer Park, 1200 Commerce Dr, Prescott
Contact - Donald Bauer 928.775.4690
Pre-Reg online at www.w7yrc.org (Click on License Tests)

Oct 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

Oct 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

Oct 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

Oct 10th - Radio Society of Tucson -- 7:00 PM
Immanuel Presbyterian Church, Witherspoon Hall
252 E 22nd St, Tucson
Contact - Diane Zimmerman
dzimmerman2002@gmail.com

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

Oct 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

Oct 18th - 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

Oct 18th - Boy Scout Troop 127 -- 12:45 PM
St Francis Xavier School, 4715 N Central Ave, Art Room, Phoenix
Contact: John Kelly 480.823.8993

Oct 18th - MARCA ARC -- 5:00 PM
Denny's Back Room, 4403 S Rural Rd, Tempe
Contact - Ray Vasquez 480.696.1581
MUST obtain FRN prior to exam - Checks not accepted

Oct 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

Oct 21st - Oro Valley ARC -- 5:30 PM
Mountain View Baptist Church, 3500 W Overton Rd, Tucson
Contact - David Beauchesne 831.345.3308



Our speaker this month was Lauri Wong, KJ7MVW. Lauri is the founder and president of Future First Responders of America. The program will cover the major aspects and job roles of working with first responders of all kinds. Youth are exposed to different types of first responder agencies such as Firefighters, Law Enforcement, Paramedic EMT/EMS, 911 Dispatch, Corrections, Security, K9 Canine, Military, Search & Rescue, US Forestry, Game & Fish, Lifeguard, CSI & Technology, Animal Control, HAM Radio Operator, FEMA/CERT (Citizens Emergency Response Team) and more. Members will receive continuous training on various topics related to the positions which will develop individual knowledge and skills. The program will allow them to meet others their age with similar interests. It is designed to benefit responsible, honest and hardworking youth.

Kachina has committed to work with these teenagers in obtaining their Ham license and introducing them to how we work with other community organizations.

If you would like to learn more about FFROA, please go to their website at www.FFROA.org.



Test Sessions Continued from Page 12

Oct 22nd - Noethern Arizona DX Association -- 10:00 AM
Flagstaff Fire Station #6, 3877 S Lake Mary Rd, Flagstaff
Contact: Mike Hanks 928.606.4437

Oct 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

Oct 29th - Kachina ARC -- 9:00 AM
Taylor/Snowflake Fire Dept, 425 Papermill Rd, Taylor
Contact: Michael Abernathy 916.214.7300

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 moving into the main contest season with lots of big contests coming up. I hope you are ready to participate. You can tell we are in a new cycle with the number of flares and disturbed conditions, but there are still some very good days in the mix. The AOCC annual roundup was held virtually on Saturday, August 27. Ned, AA7A, enlightened us with his various remote station projects. We spent a little over an hour on introductions this year getting to know members better and learn about their stations and antennas.

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 – SO2R – Single Op 2 Radios. Many of us own more than one HF radio. Have you thought about setting up both and operate on two bands? There are inexpensive options to be able to listen to both radios at the same time and move the audio around. You can switch for transmit as well. One of these is a kit called SO2R Mini by NN1C. If you have interest, it is worth exploring.

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 is sponsoring the Arizona High Power CW plaque for the AZQP. AOCC also sponsors a plaque for the CQWW contests through a donation to Worldwide Radio Operators Foundation, Inc.

Congrats to the three Outlaws that were selected to referee at the WRTC 2022 (2023) competitive event in Bologna Italy
Mike Fulcher KC7V
Steve London N2IC
Geoff Howard W0CG (PJ2DX/PJ2T)

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



We had a successful VE session last Saturday. Thank you to our VE Team:

Dave, KJ4RS
Larry, K7XWZ
Gary, KI7PBR
John, KE7OHK
Eric, N7VAZ

Also thank you to our Elmer's who showed up to answer any new ham questions: [TEAM] ... And thanks to Tri-Cities Baptist Church for providing our venue. Congratulations to:

Matthew, KK7HRX - General
Michael, KK7IDV - Technician
Andrew, KK7IDK - Technician
David, KK7ICR - Technician
Patrick, KK7IDT - Technician
John, KK7IDJ - Technician
Kevin, KK7IDL - Technician

Finally, thank you to CHRC for supporting our VE team and helping to grow our hobby!

73,

David Hoffman – KJ4RS
CHRC Deputy VE Team Leader

Hello Fellow Hams!

In August, we had the privilege of having some of our members do a C.W. Presentation for our Club! Wow, it was fun and interesting! They brought in their CW gear, set it all up for a show and tell and they teamed up for the presentation portion of our meeting!

Who knew we had so many guys and gals that would enjoy and benefit from this opportunity, I know I did! Our hopes ... that it will spark more interest, especially with all our NEW Hams joining the Club! What a great time! Maybe, just Maybe you can join us for some upcoming Opportunities this Fall!

IT'S ANTENNA TIME THIS FALL

We hope you will join us!

In **September**, our Presenter was Bob Stephens W7BE and he did a wonderful presentation on Stealth Antennas! If you live in an area where your equipment is NOT welcomed or frowned upon you might want to ask him how you might be able to still enjoy the hobby! No Registration needed.

CHRC Continued from Previous Column

In **October**, Ed Fong of Ed Fong Antennas will be sharing with us via ZOOM! We would love to have you join us if you can. This is a great presentation for new and seasoned hams alike! No Registration needed.

In **November**, Byon N6BG will be hosting a Yagi Build Antenna Party and Fox Hunt!!

This is open to ANYONE so come and learn about Fox Hunting and build your very own Yagi Antenna! There is a minimal cost, but **YOU MUST REGISTER FOR THIS ONE!**

The **DEADLINE** to register for the Yagi Build is October 15 2022!!! Don't wait!

REGISTER AT: www.chandlerhams.org/tape-measure-yagi-kits-for-sale/https://drive.google.com/file/d/1ltDtZQnhsKfBrQGu5jlmN2aq5FxOCdt0/view?usp=sharing or you can just click on the tab on the website :)

OUR MEETINGS: 9/10/22, 10/8/22, 11/12/22 9:00am to 11:30-noonish

WHERE: Tri City Baptist Church 2211 W Germann RD Chandler AZ 85286, in the BACK left Modular by the Clock. Look for the mobile antennas!

CONTACT US: www.chandlerhams.org

Coffee and Tea, Donuts, Fruit, Water and other treats provided... ALL food and drink MUST remain in the Hospitality Room! Thank you for your cooperation!

Hope to see you there!
Debbi Smith KJ7MIQ
V.P. CHRC



WEEKLY EVENTS

WEDNESDAY Evenings @ 8:00 p.m.: The SHOW NET on South Mountain Repeater, 443.050 + p1100. This is a social net but also hope to get TECH questions and conversations as well. Please join us every WEDNESDAY and be a part of this NET.

THURSDAY Evenings @ 7:00 p.m.: Maricopa County New Hams Net on South Mountain Repeater 440.375 + PL100. This net is targeted at newly licensed hams to learn and get over the fear of pressing that PTT button on your radio. Good variety of new and seasoned hams....no such thing as a dumb question here.

THURSDAY Evenings @ 8:00 p.m.: The Chandler Ham Radio Club weekly net on South Mountain Repeater, 443.050 + p1100. All though this is the weekly club net it is open to all ham radio operators in the valley.

FRIDAY's @ 11:00 AM: THE NATIONALLY FAMOUS "ROMEO LUNCH" AT CULVER'S ON ARIZONA AVE AND WILLIS RD, Chandler, AZ

Walter Lawrence
KK7AEV

Continued Next Column



The NEW SuperstitionARC.org Website Is UP!

[Screenshot: website.jpg]

The website has been somewhat dormant since the passing of its Webmaster, Dale Schmidt N7QJK, in October a year ago.

We now have a team of editors logging in to maintain different pages. Fred WB4AEJ has picked up from Chris KJ7ZQP, whose job hours stymied his efforts with site redevelopment. Fred installed WordPress, making it as simple as copying text from a word processor and pasting it into the online editor!

The Newsletters tab on the menu is now stocked up with newsletters from the current issue and going back to 2017.

The President's Corner menu tab is now current.

Starting with this month's column, I will post this ADAW column to the website after I've received the ADAW in my inbox.

Fred will likely replace the Superstition SuperFest site with a WordPress version so that it, too, will be kept current with a team of editors.

Tuesday, October 18 Club Meeting at 7:00 PM

Location: Mesa's Charles K Luster Building and Zoom

Our meeting at the Charles K. Luster Building starts at 7:00 PM. The doors open at 6:00 and Zoom will be live soon after. We welcome visitors in person or via Zoom: Please email the President@SuperstitionARC.org at least a full day in advance for the Zoom link.

Our Member Clubs entry on Page 3 of this ADAW has general information about the club meeting schedule.

President's Corner

by Steve KB7KWK

Hello everyone and welcome to Fall. I would like to start off this President's corner by acknowledging Fred WB4AEJ, and Ed K7EDT. Fred has accepted the responsibility of taking over the club website and forming a team of folks to help him.

Fred really hustled and got the website going and up-to-date within a matter of a couple of weeks. The style differs slightly from our previous site that Dale N7QJK put together years ago. However, all the same, excellent club information is there and ready for the world to see.

Superstition Continued from Previous Column

I would also like to thank Ed, K7EDT. Ed was filling in and helping our current Vice President Brian, W7JET. Brian as most of you know is a pilot and started a new job with Alaskan airlines. Understandably this has taken priority over the position of VP for the club. Ed was only going to help for a short time as he, too, is very busy.

Ed told me at the last Board meeting that he would continue through the rest of the year as VP. Ed has been bringing some excellent programs to the meeting and does a great job in this position. Ed has also decided to help out with the SuperFest again this year by finding businesses to donate items for prizes. He has already received some awesome giveaways and raffle prizes.

Speaking of programs and activities, as promised, the Board has added a couple of camping trips to the calendar. We will have the club's first Fall camping trip in October at Usery Mountain Park. The dates are the 7th and the 8th. We think having the event a little closer to home might bring more club members out to the campsite. See the article in the September newsletter for details. (You will find the newsletter on superstitionarc.org under Newsletters.)

In addition to Field Day, we will add a Summer camping trip to our activities calendar for next year. We do not know yet if we want that before or after Field Day. We will be asking the club membership what you think.

It has been great seeing more and more of you attending the meetings in person, and there have been a lot of new hams and club members attending as well. We would sure like to see many more of you attend in person rather than via Zoom.

After Board consideration, we decided to keep the Zoom meetings running with the in-person meetings. That said, I wanted to make sure everyone is aware that all meetings at the Charles K. Luster building start at 7:00 PM and Zoom starts around 6:30 PM or as soon as the team in charge of that gets it going.

Those getting Zoom up and running all have jobs to go to every day and might be a little late getting things going. So if you ever click on the meeting Zoom link and no one is there, chances are they just have not got it up and running at that point.

Sometimes the automated email goes out stating that the meeting starts at 6:00 PM. Actually, that is when the door opens at the Charles K Luster building. I am working on getting that corrected in the email to not confuse people. Just remember the meeting always starts at 7:00 PM.

73 for now. I will catch you down the log.



Continued Next Column

Continued on Page 16

For Sale / Wanted

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: September 27th. The Communicator will publish to club members in early September.

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

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

Superstition ARC Repeaters table with columns: Output, CTCSS, Links To, Mode. Includes sections for Club Nets (Morning Drive Time Net, Club Net, Mesh Information Net, Fusion Confusion, 10-Meter Rag Chew), SuperARC Merchandise Store, Club Membership, and Superstition SuperFest.



LOOK! Great Deals!

For Sale

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.

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.





ARA Continued from Previous Column

November 5-6 1989 The ARA supports the MS150 Best Dam Bike Ride

June 1995 ARA members went to Smith Peak for upgrade planning.

June 2012 The ARA Board of Directors approved \$9,000 for the reconstruction of the Smith Peak site to ARA standards. The rack, radios, antennas, power supply and backup will be replaced.

January 2013 New open equipment rack installed at the site.



October 11, 2014 John, K7LKL, the site manager, Joe, AE7JG Tower Climber, and Mike, KF7MBK Tower Climber traveled to Smith Peak for a planned maintenance visit. The weather was beautiful and the road was terrible. At the first flood control dam on the County line road was a foot deep in mud and flooded, however both vehicles made it through. They arrived on site around 11:00 a.m. All of the feedlines were tagged inside and outside the communications shelter and at each antenna at the top by the climbers. Grounding kits were installed at the tower exit point. They secured at 1400.

Location – Smith Peak, Harcuvar Mountains, La Paz County

Coverage Area - Wickenburg, Quartzsite, Parker and west into California for linking

Elevation – 5,246 ft.

Radios – Five modified Motorola Micor radios and one Mitrek

There are two linked repeaters operating on VHF 146.68 MHz (-) 162.2 and UHF 443.775 (+) 100.0. Monument Peak link, White Tanks Link, RimLink Link are part of the system. This site is linked to RimLink, Calzona Link, and Utah Link. Currently Smith Peak is offline to RimLink due to an interference issue the Tech committee is working on.

Auto-patch - service is not available on Smith Peak

Antennas – Three Omni fiberglass antennas support the

Meetings

Join us at our next General Meeting in person or virtually. Our in-person meeting has recently moved to the Denny's at Priest and Broadway. If you can't join us in person, our ARA virtual meeting is the next best thing to being there without the food. Follow the link for more details. <https://www.w7ara.org/mtg/Meetings.aspx>

Membership

2023 Elections are coming up in November. Nominations are due by Oct 1. All active members have been sent an email with instructions. Is your information for mailing the ballot correct? Check it now at <https://www.w7ara.org/rcu/welcome.aspx>

You can join the ARA to support these open repeaters! Membership is \$20 per year. Membership info at <https://www.w7ara.org/mbr/Membership.aspx> or email membership@w7ara.net

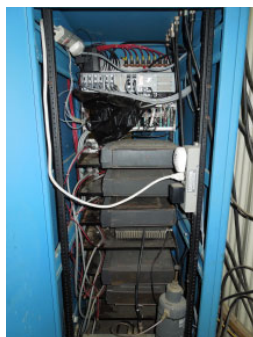
ARA Site profile – Smith Peak

ARA Smith Peak site contributors: Cole Cunningham, AA7RD and Jim Hoff, N7XXX

The ARA began operating the Smith peak site in the fall of 1988. The lack of coverage for this area of the state was identified. A repeater on Smith Peak could be linked back into the Valley. It allowed use of the ARA portable repeater as far as Parker and link it back into the Valley. Smith Peak filled a gap in that area of Arizona. Once the repeater was there, it became an intermediate step for the Calzona link to California. The first public service event supported the Annual MS-150 bike ride from Lake Pleasant to Parker Dam.

1988 ARA board approves establishing the ARA Smith Peak site

September 24, 1988 - The ARA VHF repeater on Smith Peak was dedicated using the 146.08/68 frequency pair that was relocated from Shaw Butte.





systems in use for VHF, UHF, and control along with three six-element Yagi's for linking.

Power / Redundancy – Utility powers a Ratelco 12V 50A constant voltage charger with battery backup.

Controller - The radios are all controlled by one Link Communications RLC-3 Repeater Controller which allows all the radios to be interconnected as required.



Wind Monitor – Check out the photo of the Maricopa County Flood Control District wind monitor at Smith Peak.

Tech Committee activities

Scottsdale

The Scottsdale site was alerting for over temperature via the radio. Cole, AA7RD traveled to the site on 9/2 to check the air conditioner. He found the AC was working just fine but the thermostat needed to be set lower to avoid the alert. Cole also found a problem with the air flow and plans to return to install some sort of duct work to exhaust the cool air in the cabinet closer to the equipment.

Mount Ord

Lance, KW7LH, Mike, KF7MBK, and Cole, AA7RD, visited Mt Ord on 9/3 to investigate to fix the control radio transmitter that was locked on transmit. Remote troubleshooting had been unsuccessful.

After extensive troubleshooting and multiple card changes, cable reconnections, etc, they determined that the KPC-3 packet control was the culprit. Disconnecting the radio

Continued Next Column



Our monthly meetings are on the second Thursdays at the Red Cross building, 4747 N. 22nd St, Phoenix, at 7:00 PM. We also have a weekly Thursday net on the 147.280 repeater in central Phoenix. Thanks to the Mingus Mountain Repeater Group for letting us use their repeater.

At our September 9 meeting, the program was about the setting of a world distance record at 40,000 MHz in 1968 by K7GH and WA7EDI. We also discussed plans for our Christmas meeting and decided to have a potluck luncheon at Papago Park on the regular meeting day, December 8. We did this last year and really enjoyed it.

Our VE Test sessions continue on the last Saturday of each month. Our September and October ones are at 4:00 PM instead of the usual 10:00 AM so we can attend the Tucson and Copafest hamfests those mornings.

73,
Gary, K7GH



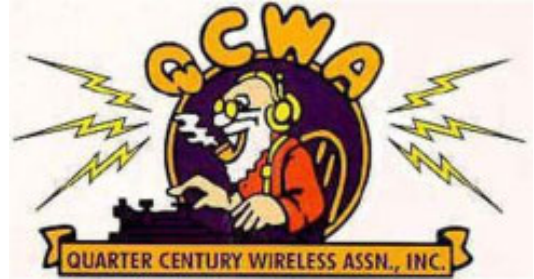
ARA Continued from Previous Column

connector on the KPC-3 allowed normal operation. They didn't have a spare KPC-3 set up for site operation so they tried to reprogram one Cole owned for remote site control and it didn't work. The KPC-3 was removed and brought home for troubleshooting.

Erv, K0OTZ, and Cole, AA7RD returned to Mt Ord 9/7 to reinstall the repaired KPC-3 that was holding the transmitter of the control radio locked on intermittently. Reinstallation of this KPC-3 was important as the control operators utilize it to manage Mt Elden and Greens Peak from Phoenix.

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

No Reports Received



CHAPTER 16 BARRYM.GOLDWATERARIZONA CHAPTER



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VHF – 146.84 MHz – PL 162.2 / UHF – 446.900 MHz – PL 131.8
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SARC CONSTANTS:

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

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



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- 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 (SCU-LAN10)



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FTDX101D | HF + 5M Transceiver

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

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

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YAESU
The radio

We have just about made it through the summer and cooler weather is on the way. Now with the cooler weather, it is time to do all our outdoor Ham Radio Projects. You will find everything you need to get the job done at your favorite "Candy Store."

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