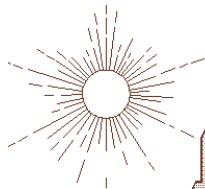


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 46, No 8

August 2021

CLUB MEETING SCHEDULE

SARC

Aug 4th - 7:00 PM
On Line

AARC

Aug 12th - 7:00 PM
American Red Cross/Echolink

YARC

Aug 5th - 7:00 PM
Prescott Rodeo Grounds

TBARC

Aug 19th - 6:30 PM
AZ Christian University

CADXA

Aug 5th - 7:00 PM
via Zoom

ARA

Aug 26th - 7:30 PM
Electronically

MARCA

Aug 17th - 6:30 PM
via Zoom

MARA

Aug 7th - 9:00 AM
Maricopa Public Library

AzRCCC

Aug 10th - 7:00 PM
American Red Cross/MS Teams

WVARC

Aug 2nd - 7:00 PM
Via Zoom

SuperstitionARC

Aug 17th - 7:00 PM
St. Katherine Orthodox Church

CHRC

Aug 14th - 9:00 AM
Veterans Oasis Park Edu Ctr

ANSR

Aug 19th - 7:30 PM
via GoToMeeting

KARC

Aug 10h - 6:30 PM
New Hope Christian Fellowship

OVARC

Aug 20th - 7:00 PM
Ascension Lutheran Church

AMO

Aug 12th - 7:00 PM
Charles K Luster Bldg

ATN (VOAR)

Postponed
www.whereby.com/atn1

QCWA-AZ Chapter

TBD
Various

SunLifeARC

Every Monday - 10:00 AM
Via Zoom

CARL

TBD
Check Web Site

MMRG

See Web Site

ADAW Member Clubs

ARIZONA AMATEUR RADIO CLUB

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

President	Gary Hamman	K7GH	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	Ray Vasquez	K4RMV	k4rmv@scottsdalearc.org
Secretary	Mike Childers	K7URK	k7urk@scottsdalearc.org
Treasurer	Douglas Mitchell	W7ADD	w7add@scottsdalearc.org
Past President	Paul Finell	W7EFQ	w7efq@scottsdalearc.org
Board Members	Gene Geller	K0VN	
At-Large	David Yee	N7AJR	
	Bill Kouchis	N9EIV	
	Jim Dye	AG7AU	
	Paul Finell	W7EFQ	
	Chris Schweiger	NE7EE	
	Bruce Harmsen	KA9EYX	

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

ARIZONA NEAR SPACE RESEARCH

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

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

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

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	Jim Mortensen	W7AZY	
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@cableone.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 Board meetings are held the second Tuesday of each month at 7:00 PM via "Zoom Meeting." Club meetings are held the **THIRD TUESDAY** of the month except December at 7:00 PM via "Zoom Meeting." All meetings run approximately 24 hours. Visitors are Encouraged. If you would like to attend one of our meetings, please contact the President at least 24 hours prior to the meeting for the Zoom information:

President@SuperstitionARC.org

President	Steve Estes	KB7KWK	480.251.0551
Vice President	Brian Betz	W7JET	
Secretary	Scott Simeon	KI7KIM	
Treasurer	Bryan Hubbard	KF7DPC	480.205.8122
Board Members:	Bob Thomas	N8ANV	239.253.8279
	Emmet Plant	KB3MPN	
	Fred Atkinson	WB4AEJ	602.464.4406
	Greg Watkins	WB7VOK	
	Jeff Harris	K2DFE	602.617.6930
	Jeff Heinze	N7CCW	480.720.7908
	John Wolven	KG7NSP	

Mailing Address: Superstition ARC, 5155 E Eagle Dr #21522, Mesa, AZ 85277.

Web Sites: SuperstitionARC.org and SuperstitionSuperFest.org. The Superstition Amateur Radio Club, Inc. is a 501(c)(3) non-profit corporation. For more information, send email to: info@superstitionarc.org.

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.cadx.org/meetings.html for a map.

President	Bill Poole	AA4Q	billpoole@yahoo.com
Vice President	Ron Smith	N7RD	n7rd@cox.net
Secretary	Bob Davies	K7BHM	k7bhm@cox.net
Treasurer	Mike Wright	N7MW	n7mw@aol.com
Past President	Larry Loen	WO7R	lwloen@gmail.com
Directors	Eric Schecter	KC7ES	eschecter@gmail.com
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.cadx.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	W7VSX	rocketdog@dslextreme.com
	Mike Schnell	NC7X	ka9cid@gmail.com
	John Laing	K7PRS	k7prsextra@gmail.com
	Ray Kolman	KI7COM	spudsmen@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 Ascension Lutheran Church located at 1220 W Magee Road in Tucson. (December is annual Christmas Party). (Monthly meetings are being held on ZOOM during the Pandemic.) Visitors are **VERY** 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. Starting June 12th, club meetings will be held in person in the "Jackrabbit" room at the Veterans Oasis Park Education Building at the NE corner of Chandler Heights and Lindsey Roads. You can still join via Zoom. 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	Michael Reed	AA0MR	pres@chandlerhams.org
Vice President	Norm Fasoletos	K7NWF	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
Webmaster	Allyson Lee	KI7LGD	w7asc.webmaster@gmail.com

Board Members:

Jean Jolkovski	W4CIH	ADAW, Publicity
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	Doug Totel	K9RZ
Board Member:	Krissy Larson	KI7GJJ
	Joe Jacobson	KJ7PUL
	Frosty Oden	NQ1S
	Larry Johnson	WO7C
Past President	Danny	KM4HFT
Committees:		
Membership	Krissy Larson	KI7GJJ
Technical Advisory	Frosty Oden	NQ1S
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	Ralph Towers	KA0CET	retowers@hotmail.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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The *Arizona Desert Aire Waves* is published monthly and is the official news media of the sponsoring clubs. All news items, articles and inquires should be submitted to each club's editor. Any information and opinions printed herein are those of the contributors and are not necessarily those of the sponsoring clubs. Full permission is granted to quote from this publication providing credit is given to the individual contributor and the ADAW. ALL RIGHTS RESERVED. **Deadline is 10th of the month**

From The Editor's Desk

Hi all,

This month we add a new club to the pages of ADAW. The Arizona Outlaws Contest Club has decided to join us and publish news about the club and their activities for all our readers. Please join me in welcoming the Arizona Outlaws Contest Club.

Hamfest season is nearly upon us and the calendar is filling rapidly. For those of you who are itching to get back to hamfesting, you'll be in seventh heaven with the choices available to you.

First up is the virtual QSO Today Virtual Ham Expo. It's an interesting event full of vendors, talks, seminars, and opportunities to join chat rooms with other hams.

Next is the RST Fall Hamfest on September 25th. This year's event will be changing venues, so be sure to check the club website at www.k7rst.org for updates.

October offers a hamfest nearly every weekend of the month - pure hamfest joy. There is the TARA Swapfest at Rumsey Park in Payson on the 2nd, followed by the Scottsdale club's new OctoberFest on October 9th in the Fender parking lot in Scottsdale. The very next weekend on October 16th, you can head back to the high country to attend the Amateur Radio Tailgate ShowLow in, you guessed it, ShowLow!

No event is scheduled for October 23rd, so you get a week's breather before heading to Maricopa for the annual Copafest on the 30th. It's always a great event and offers a casino too.

If that wasn't enough hamfesting for you, or you couldn't get to one of those great October events, you can head to Congress for HARKfest on November 6th. The following weekend, head toward Tucson for the Oro Valley ARC Hamfest in Marana on November 13th.

The Superstition Club will be holding their annual Superfest at a new location this year. The Superstition Springs Center in Mesa will be the site of the event and the club is busy making sure this one will be the best.

Several events are already scheduled for 2022 also. You can find information about those and all the hamfests taking place in Arizona on the Hamfest Calendar on page 9 of this month's ADAW.

The monsoon is in full force as I write this. Even though it brings some severe weather with damaging winds, torrential rain, dangerous lightning, and flooding, it is a welcome sight to our parched landscape and drought stricken state. Be sure to take all the necessary precautions to protect yourselves and your families.

Stay Safe - See you next month from a different local!

73,

Chris, N7PVL



The Arizona Amateur Radio Club's July 3 test session was a very special one. Not only did two operators upgrade to general class licenses, but Chris Kesauer, N7PVL, was awarded a Certificate of Achievement recognizing her many years of support at the Arizona Amateur Radio Club volunteer examiner (VE) test sessions. Chris and the VEs also enjoyed having cheesecake made by Charlie Zurenko, N2TFS.

Chris, who publishes the monthly ADAW (Arizona Desert Aire Waves), an informative newsletter of many clubs in Arizona, has been actively involved with the AARC testing program. She will continue with ADAW even though she will be in CA. AARC president, Gary Hamman, looked at back issues and found that she became ADAW Editor/Publisher in 1993, 28 years ago. ADAW started in 1975, 46 years ago, as a combined newsletter of AARC and Scottsdale ARC.

At our July 8 AARC meeting, we had a celebration cake in honor of Chris, but she was unable to attend because of a cat who was not feeling well after seeing the vet. Sorry she missed her celebration!

The program, presented by Ingrid and Reinhard Geissler and Frank Engstrom at the meeting, was about the W7IO Field Day at Mt. Graham. Ingrid made about 400 contacts at Field Day!! The Field Day was moved from Mingus since the Prescott National Forest closed all the forest, including Mingus and our planned site, the day before Field Day. Our small group that accommodated the sudden change of location made an outstanding number of contacts. We enjoyed hearing about their adventure and seeing the many photos they showed us from their cool weekend at 9,000 feet (high temperature of 72 degrees).



Chris, N7PVL, with her award and cheesecake.



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.

As I write this, I am happy to report that the Harkin’s Ham Shack has reopened at Arizona Science Center (ASC). 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.

New Beginnings

Our diverse group of amateur radio volunteers is making the best of the situation and thoroughly enjoying it. The main guidelines for interaction with the guests are the expected COVID-19 rules to keep everybody as safe as possible. Aside from that, our guys are “rolling their own” learning experiences, based on their personal specialization area within the diverse world of radio. Especially those volunteers who took on new quests, such as POTA or satellites, during the pandemic. The real winners? Again, it’s the visitors.

Of course, old habits die hard or not at all. The younger visitors to ASC have always flocked to the “I Sent My Name in Morse Code” activity. Each volunteer operator who chooses to continue this ever popular rite of passage at Harkins Ham Shack does it a little different. But the result is the same – big smiles and 100% guarantee that the visitor will make a beeline for the shack on their next visit to ASC.

Happy Birthday to All!

You should be receiving this month’s ADAW close to my birthday, August 1st. That’s the day I came into this world,

The Maricopa Amateur Radio Association will be holding its COPAFEST on Saturday, October 30th !!! It is only a few months away, so save the date. Information on the event can be found at www.copafest.org.

Our club is now meeting at the new Maricopa Public Library the first Saturday of the month at 9:00 AM in the Redwood Room. Everyone is invited to attend.

73

Bob Howard W8RH
President



CARL Continued from Previous Column

kicking and screaming, I’m told. A recent “question of the day” for the CARL Net indirectly asked the participants about a different birthday: their entry into amateur radio. The real question had to do with whether or not they had an Elmer, but it made us all think back to the day we took our exam or received that coveted paper license. Most did have an Elmer, and many remain in touch with them to this day. Perhaps you have thought about being an Elmer, but didn’t think you had the credentials. It’s best if you have some experience under your belt, but, at its basic level, it can be reaching out to someone who sits at ground zero and just needs a nudge. We all know the steps from thought to license and we can all map out the path for a newbie to come onboard. The next time some stranger points to the antenna on your house or vehicle, or perhaps the HT on your belt, just smile, and begin, “Let me tell you about that.”

73

de WB4ZSC Steve
vyix99@yahoo.com
480.570.1041

Continued Next Column

Hamfest Calendar

Hamfest Calendar Continued from Previous Column

14-15 August 2021 - **QSO Today Virtual Ham Expo** - held on-line at <https://www.qsotodayhamexpo.com/> . Speakers, discussions, kit building workshops, meet-ups, networking, prizes, and more. Tickets for full access: \$10 before August 13, \$12.50 beginning August 13. Exhibitor area is free, but registration required.

25 September 2021 - **RST Tucson Fall Hamfest** - hosted by the Radio Society of Tucson. Location to be announced. Hours - 7:00 AM - 11:00 AM. Set up begins at 6:00 AM. Free 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; DSTAR: 445.900 K7RSJB; Fusion: 146.800. For Information & Map, visit <http://www.k7rst.org>

2 October 2021 - **TARA Swapfest** - hosted by the Tonto Amateur Radio Association will be held at Rumsey Park in Ramada #5, 400 McLane Road in Payson. Hours are 9:00 AM until 12:00 Noon. A BBQ/Potluck will be held after close. VE Exams will be held. Table fee: \$5.00. Contact Hal Key, KG5LVG at 480.225.5987 or email to hkey073@gmail.com for more information.

9 October 2021 - **OctoberFest** - hosted by the Scottsdale Amateur Radio Club will be held in the Fender Parking Lot (west), 17705 N Pacesetter Way in Scottsdale. Vendors Entrance is at 17700 N Perimeter Drive. Gates open at 7:00 AM - Vendor set up begins at 6:00 AM. NO OVERNIGHT PARKING PERMITTED. Admission is \$5.00. Vendors - \$20.00 for 2 spaces. Raffle prizes and hourly drawings. Refreshments and Snacks available. For more information, visit the web site at www.scottsdaleARC.org or [Facebook.com/ScottsdaleARC](https://www.facebook.com/ScottsdaleARC). Questions? Contact Bill Kouchis at n9eiv@scottsdalearc.org (480.331.1370) or Ray Vasquez at k4rmv@scottsdalearc.org (602.363.4207).

16 October 2021 - **Amateur Radio Tailgate ShowLow** - presented by Rick Gurk, W8YBM and Dennis Mills, WA7ZZT will be held at the ShowLow Masonic White River Lodge #62, 741 E Whipple Street in ShowLow. More information will follow. Contact w8ybm18@gmail.com for information

30 October 2021 - **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. Setup 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.

6 November 2021 - **HARKfest** - hosted by the Hassayampa Amateur Radio Klub will be held at North Ranch Escapees RV Park, 30625 S Hwy 89 in Congress. Free Admission - Free Tailgate Sites (Pre-Registration Required). Watch for more details.

13 November 2021 - **Oro Valley ARC Hamfest** - hosted by the Oro Valley Amateur Radio Club will be held at Marana Middle School, 11285 West Grier Rd in Marana. Gates open at 7:00 AM, closes at 1:00 PM. Admission is \$5.00 which includes a bottle of water. Children under 12 with a paid adult and students with any Arizona school ID are free. Sellers spaces are \$10.00 per space and includes seller's admission. Indoor VE Session with pre-registration preferred, but not required. Send an email to pre-register (email licensing@tucsonhamradio.org). Interesting Seminars - ARRL Card Checking and LOTW Assistance at ARRL Booth - Food Truck for Breakfast and Lunch. Contact hamfest@tucsonhamradio.org for more information. Visit the website at www.tucsonhamradio.org.

4 December 2021 - **Superstition Superfest** - hosted by the Superstition Amateur Radio Club will be held at Superstition Springs Center, 6555 E Southern Ave in Mesa. Hours are 7:00 AM to 3:00 PM. Email info@superstitionsuperfest.org for more information and visit the web site for the latest details - superstitionsuperfest.org.

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.

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.

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.

ADAW

Continued Next Column



We are back! The Yavapai Amateur Radio Club has resumed live and in person meetings. Our regular monthly club meetings have been conducted via Zoom, with as many as 40+ members on line. As of the June meeting, we have successfully migrated to dual mode meetings. You can come to the Rodeo grounds Freeman building or join us on Zoom.

If you would like to join the fray via Zoom, the link can be found on the front page of our website, www.w7yrc.org

YARC is an ARRL Special Service club. During 2020, we were unable to support any public service events (wonder why?). But this year seems to be opening up and we are scheduled to provide communications for several events. Up next is the March of Dimes Walk for Babies on Sept. 18, followed by the Skull Valley Loop Challenge on Sept. 19th. September is rounded out by the Prescott Rally, Sept. 24-25, and the Chino Grinder, Sept. 25.

We continue to conduct license testing sessions. The sessions have been very successful and well attended. Our next session will be on August 28, 2021. Pre-registration is required at www.w7yrc.org/arrl-vec/. We require registration ahead of the test sessions because of the variability of dates due to outside factors. Time and place of testing can be changed without much warning.

YARC had a very pleasant Field Day on Saturday, June 26, at Little Dealer Little Prices, in Prescott Valley. Thanks go out to Mr. Danny Sampson (General Manger) of the RV dealership. Ray, KI7COM did a great job as event Chairman.

The Student Radio Science Day event was part of the Field Day and included interactive exhibits, hands-on activities, handheld and mobile radios, making live radio contacts, learning how radio science makes communications possible, learning about electronics and how to solder, using radio to protect yourself and family, and participating in hidden transmitter hunts. All this was conducted by volunteers and attended by some 40 plus students.

The Yavapai Amateur Radio Club has a 2-Meter and 70CM FM net dubbed the "1300 Net" It is held every day of the week, except Saturday & Sunday at 1300 hours MST on 146.880 (PL of 100 Hz) and 447.650 (PL of 100Hz). These linked repeaters have AllStar node 502370 and Echolink W7YRC-R.

Other nets we conduct are:

- Wednesday Night FM Net 7PM
- Friday Night 6 meter FM Net 7PM
- Saturday Coffee FM Net 9AM

Continued Next Column

Public Service Calendar

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Barnburner Mtn Bike Ride	Kendrick Peak NW of Flagstaff	09/18/2021
ADA Bike Rides	North Phoenix	10/23/2021
Xterra San Tan Trail Run	San Tan County Park	11/14/2021
Xterra Estrella Mtn Trail Run	Estrella Mtn Park	12/11/2021
Auxcomm Interest	TBD	12/31/2021
Xterra - White Tank	White Tank County Park	01/08/2022
Xterra McDowell Mtn	McDowell Mtn County Park	02/06/2022
Xterra Black Canyon Trail Run	Black Canyon City	03/13/2022

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.



YARC Continued from Previous Column

Details of all nets can be found on our website, www.w7yrc.org

YARC is one of the largest and most active amateur radio clubs in the southwest. Our home is in beautiful Prescott, Arizona, at an elevation of 5400 ft. When things return to normal, why not join us for one of our regular club meetings. All the info will be on our website, www.w7yrc.org.

Remember; BE RADIO ACTIVE!

Public Service Calendar

1. March of Dimes Walk for Babies – September 18, 2021 – Contact: Frank Bender K8FB (fhb47@hotmail.com)
2. Skull Valley Loop Challenge – September 19, 2021 – Contact: Frank Bender K8FB (fhb47@hotmail.com)
3. Prescott Rally – September 24-25, 2021, Contact: TBD
4. Chino Grinder – Moved to September 25, 2021 – Contact: TBD
5. Man/ Horse Race – October 09, 2021 – Contact Frank Bender K8FB (fhb47@hotmail.com)
6. Whiskey Row Marathon – Moved to October 09, 2021 – Contact: John Broughton WB9VGJ (wb9vgj@arrl.net)

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.

August Test Sessions

Aug 3rd - Oro Valley ARC -- 6:00 PM

Town of Marana Community Room, 5100 W Ina Rd, Tucson
Contact - David Beauchesne 520.639.8626
No Walk-Ins / Register or Call Ahead

Aug 18th - Thunderbird ARC -- 6:00 PM

<https://www.ve@w7tbc.org>
See Website for Location
Contact - Walter Reinert 602.668.7804
No Walk-Ins / Register or Call Ahead

Aug 7th - CHRC Laurel VE Team -- 10:00 AM

Tri-City Baptist Church, 2211 W Germann Rd, Chandler
Contact - Norman Fasoletos 602.319.4834
No Walk-Ins / Register or Call Ahead

Aug 21st - Hualapai ARC -- 10:00 AM

VE's Residence, 3571 E Lum Ave, Kingman
Contact - Alyce Ingle 425.231.9173

Aug 7th - Yavapai ARC -- 9:00 AM

Jeep Posse Bldg in Pioneer Park, 1200 Commerce Dr, Prescott
Contact - Donald Bauer 928.775.4690
Pre-Register online: www.w7yrc.org

Aug 21 st - 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

Aug 9th - Radio Society of Tucson -- 7:00 PM

Biscuits Country Cafe, 7026 E Broadway Blvd, Tucson
Contact - Diane Zimmerman 520.664.5070

Jul 31st - Arizona ARC -- 10:00 AM

American Red Cross, 4747 N 22nd St, Phoenix
Contact - Gary Hamman 602.996.8148
Masks Required / No Walk-Ins
Pre-Register Required by the Thursday before

Aug 14th - NOMADS -- 9:00 AM

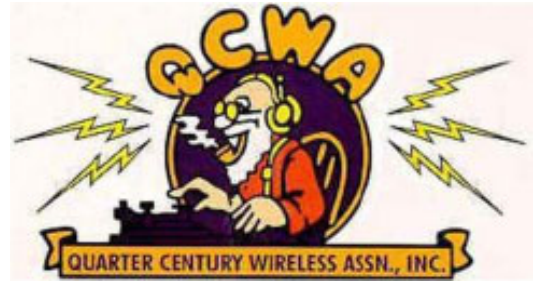
Behind Church, 2228 E Brown Rd, Mesa
Contact - Robert Bingham 480.404.1408
No Walk-Ins / Register or Call Ahead

Aug 17th - Hassayampa AR Klub -- 2:00 PM

Home, 30645 S Wandering Way, Escapees North Ranch, Congress
Contact - Charles Carter 316.651.7710
No Walk-Ins / Register or Call Ahead

ADAW





**CHAPTER 16
BARRY M. GOLDWATER ARIZONA CHAPTER**

The Arizona Outlaws Contest Club was founded in 2009. A group of five experienced ham contesters thought it was time to form a special interest club in Arizona to encourage and support ham contest activities. While we thought we might attract a few dozen members to the new club, it grew very quickly to over 100 members around the state. We have also attracted many members from outside Arizona.

Our members include elite contesters who have operated from many DXCC entities around the globe, to 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 in ham contests and make contacts. There are excellent resources among club members and on our club website for contesting help.

AOCC has a year-long on-the-air contest activity named "The AOCC Ladder."

A. Purpose:

1. To provide a mechanism for friendly competition between club members on an ongoing basis.
2. To provide an opportunity for individuals to track and improve their radiosport proficiency.
3. To facilitate recognition for the AOCC by encouraging higher scores.
4. To have fun.

B. Eligibility

The AOCC Competition Ladder is open to any current club member regardless of experience level, station capability, or geographical location.

C. Current Ladder Categories (subject to change)

Overall	Single Band 160m
CW	Single Band 80m
SSB	Single Band 40m
Digital	Single Band 20m
Low Power	Single Band 15m
QRP	Single Band 10m
VHF/UHF (combined)	DX
Domestic	Team
Participation	Restricted

There are numerous contests to choose from on the ladder

Continued Next Column

A big THANK YOU to those members who are helping to revitalize the Barry M Goldwater chapter of the QCWA.

Our Sunday morning nets are gaining momentum with a new person or two every week. Hopefully we can have a good weekly roundtable.

The 40-meter nets did not work out very well. Evidently the ionosphere was not reflecting the 7 MHz signals back to earth as well as we would have liked. Because of this, we switched to 3897 +/- QRM for the 7:30 a.m. Sunday nets.

Tom, K7DF and Carl, KB7AZ held an in-person meeting in Tucson on July 7th at the Chili's on Broadway. There were seven at the lunchtime meeting. Two more members could have attended, but had conflicts. The next meeting is scheduled for September 24th after the RST Hamfest at a restaurant in the vicinity of the hamfest.

We encourage members in Phoenix, Prescott, Yuma, and Sierra Vista to organize local meetings, perhaps right after local hamfests. Tom and Carl will make an effort to attend local meetings that are scheduled for lunchtime on Saturdays. Check the website for updates, and email KB7AZ if you schedule a meeting.



AOCC Continued from Previous Column

to fit every taste. Awards are given at our annual AOCC Roundup, this year to be held on Saturday, August 28. We are looking at options for an outdoor in-person catered meeting in the Prescott area or a virtual meeting. There will be a program or two no matter which option is chosen.

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



MARCA Continued from Previous Column

Old/New Business:

1. Don and Norm mentioned that everyone who operates a station this year for Field Day, June 26-27, should enter their logs on the ARRL website. Use YOUR CALLSIGN during the event (starting at 11:00 AM on Saturday) and use MARCA as your AFFILIATED CLUB. By submitting the logs using their website, you earn an additional 50 pts.
2. The club decided in the meeting to resume in person club meetings starting September 21st. We will also try to hold a concurrent Zoom meeting for the folks not comfortable with in-person meetings (or those that are out of town). Let's show support to Denny's and join us there.
3. Testing for Amateur FCC licenses will also resume in September.

MARCA Meeting Minutes

6/15/2021 Tuesday – held using Zoom video chat meeting
Minutes by Secretary, Paul Bennett KD7KDO

President – Norm Johnson AA7OO led the meeting.

Round-robin:

The zoom meeting opened at 6:00 PM for folks to enter and discuss various topics of interest. MARCA members are open to having new hams and existing hams joining into this conversation. MARCA has many experienced hams and can answer any question on Amateur Radio.

Presentation:

A presentation on how to identify and prevent hackers on our DSTAR gateway computer was made by Paul Bennett KD7KDO. This was a great presentation on what can happen when a server is connected to the internet. Much was learned from this presentation.

Officer reports and Club business:

The club meeting started at 6:40 PM and the presentation started after the conclusion of the business.

QSTs:

Norm mentioned to check the ARCA website for upcoming ham events and details.

1. Norm noted two new hamfests were added to the schedule. Not much in the summer.
2. Norm mentioned the Amazon Smile program. If you buy items from Amazon, select MARCA as your charitable donation under Amazon SMILE. Any time before checking out, select Amazon Smile (far left where the logo appears). Items in your cart will still be ready for checkout.
3. Norm once again mentioned that the Northern Arizona DX club has started a 2-hour zoom meeting every Saturday from 10:00 AM to noon that covers basic electronic theory and components up to antenna types and performance. These sessions will last several months. Contact the Northern Arizona DX club for details on the Zoom meeting.

New Business:

No new business.

The meeting concluded at 8:13 PM. Thanks to all that participated!

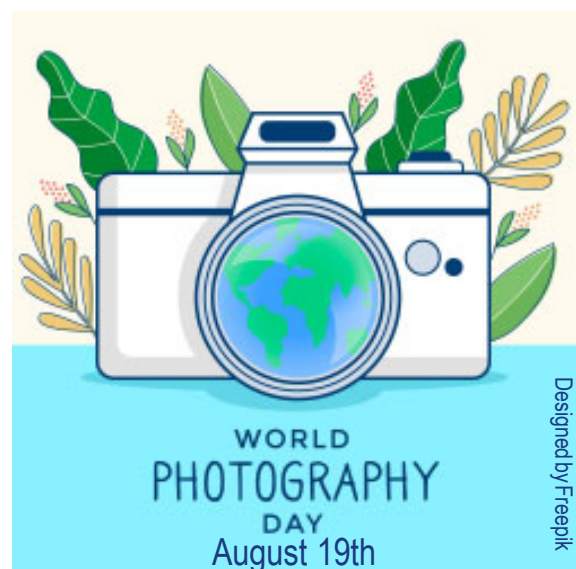
MARCA encourages new hams to bring their HT's to our meetings. There will be experienced hams at our meetings that will instruct you on how to program your radio and how to connect to our repeaters. Join us and enjoy Amateur Radio.

Website: www.w7mot.org

Meeting date: The third Tuesday of every month

Meeting time: 6:00pm to 9:00pm – 6:00pm to 6:30pm is open dialog.

Meeting location: Denny's at 825 S 48th St.



Continued Next Column

ADAW



For Sale / Wanted



LOOK!
Great Deals!

For Sale

As our summer in the Valley of the Sun continues, we are continuing in-person club meetings. The regular club meeting is held the second Saturday of the month at 9:00 AM. The meeting location through August is the Education Center at Veterans Oasis Park at the intersection of Chandler Heights and Lindsey in Chandler. After that, we will decide what is next. Our club is growing and our original venue may not work long-term. This is a welcome change for all, but you will still be able to join via Zoom. There is a link to the meetings on our website; chandlerhams.org. After the regular meeting, a presentation of interest to Hams will take place. Recent topics include solar power and Yaesu fusion radio.

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. Gary – KI7PBR is normally the net control and Steve - KJ7UKA serves as the alternate. Both do a great job. Please 'check in' and see what it is all about.

Our new website continues to improve with a great new look. You will find links to our meetings and the calendar gives other events as well. Please check it out! We have added information about upcoming Hamfests, including some we will be participating in. Copafest will be our first involvement this year in October.

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 on a limited basis 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.

Mike – AA0MR
President CHRC

ADAW

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

Cleaning out 50 year collection of ham related parts, connectors, ICs, cables, antennas, poles, and such, all on a "make offer" basis. Contact Bill, W7JSW at hoskingb@cox.net to arrange a meeting.

Ham Home For Sale - This beautiful home in Sun City West is perfect for amateur radio. The house features one very large bedroom, 1 and 1/2 bath, plus a large radio room. There is also a free standing one bedroom guest house with a kitchenette and bathroom. A 140 foot Glenn Martin tower with a 6 foot concrete base, a C-3 Force 12 rotating beam with hazer to crank down to roof level is included. House was built in 1989 in a Del Webb designated area for antennas.

Contact Flora Rutledge, WA0AAM at 623.975.0023 for more information.

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.



The Big News: we're back at a new (old) home!

Thanks to our president, we are now meeting in person! Charlie is teaching at Arizona Christian University and his employer has agreed to let us use the classrooms there for meetings - starting in July! I hope you'll be able to join us in person at 59th Avenue and Greenway Road. Longtime club members might recognize the address of Arizona Christian University - that's the old Thunderbird School of Global Management location before ASU bought it, carved it up, and sold half of it. We're now meeting in Building 3600, Auditorium #1 - see the map for details and parking. (I believe that puts us in Parking Lot 2.) A few teething troubles are inevitable, but it looks as if this will be a great new home. The school has expressed interest in ham licensing for some of their staff and students, too!

Hybrid meetings - on video and in-person

One other advantage of our new location - the classrooms have the ability to transmit video. So our July meeting, when Scotty Cowling WA2DFI presented updates to the Tangerine SDR, was the first where we tried to run a hybrid meeting - in person at 59th Avenue and Greenway Road for those who could find their way there, and on Zoom for those who wanted to join us online (or missed the email). A few teething troubles are inevitable, but we're hoping to be able to continue with hybrid meetings for those who aren't able to make it to meetings. So join us either way!

TBARC Field Day

The pictures tell the tale better than I could. Attendance at Field Day was not at its peak, but much higher than it was in 2020! Attendees celebrated the 90th birthday of our host, Jack Lunsford NT7MM with a specially-prepared radio cake. Things were hopping on FT-8, phone and CW. If you weren't able to attend, I hope you listed "Thunderbird Amateur Radio Club" as your club for any Field Day activity you did locally - we know you were there in spirit!

The hamfest needs you!

Rick has asked me to put out the call - we need club members to volunteer and help out with the 2022 hamfest (happening on Saturday, January 15, 2022). If you've volunteered before,

Continued Next Column

TBARC Continued from Previous Column

please consider doing so again. If you haven't, we'd love it if you could give some of your time - it's what makes our hamfest one of the largest and most successful in the metro area. We need people to sell tickets, collect vendor fees, direct traffic in the parking lot, be the emcee and talk-in radio host, manage raffles and door prizes, sell at the club table, set up on Friday, handle VE testing, and get presenters. Could you see yourself doing one of those things? Be a part of what makes it such a great hamfest! Get in touch with Rick at saguaroastro@cox.net for more details or to volunteer.

August meeting

Our August meeting will again be hybrid: in person at Arizona Christian University, or online with Zoom. Israel was still working on finding a presenter at press time. The conference URL and details are on the TBARC website, w7tbc.org. Join us and share the learning and conversation - in person at 59th Avenue and Greenway Rd or at the Zoom virtual meeting - it's your choice! Either way, we'll see you at the meeting!

Andrew Cornwall KF7CCC
kf7ccc@arrl.net



Map to our new meeting location.

ADAW



See pictures of the TBARC Field Day on the next page. ed.

Thunderbird Amateur Radio Club Field Day 2021



Rick K7TEJ, Bret Axlund, Chief Deputy of Coconino Sheriff's Department, Charlie KG7KRN



Charlie KG7KRN, Walt NJ8G, Mike Boger W7IJ, Assistant Section Manager, and Jack NT7MM



Jack NT7MM's Birthday Cake



Rick N7TEJ operating satellite station



Rick N7TEJ with satellite station



History Corner

– A few interesting things in ARA history

History Corner

- Oct 1971 – ARA members cautioned on using auto patch to call “Time of Day” for time and temperature due to sponsor messages being “potentially commercial.”
- Aug 1976 – Paradise Valley legalizes radio towers up to 60’ without the need of a special use permit.
- Aug 1979 – US Senator Barry Goldwater, K7UGA, receives Arizona Ham of the Year award from ARCA at the Fort Tuthill hamfest.
- Oct 1979 – ARA receives US Forestry service approval to build Mount Ord building.
- Aug 1981 – ARA board approves the purchase of a storm proof Super Station Master antenna for Mount Ord.
- Aug 1985 – Los Angeles police and fire departments have now gone on the record desiring greater access to amateur radio, especially during times of emergency.
- Aug 1998 - Lance Halle receives plaques from ARRL for outstanding volunteer of the year and from the FCC for his work on a difficult interference case.
- Aug 2000 – Christine, N7PVL, becomes Squelch Tail Editor
- Aug 2000 – ARA completes purchase of Pinal peak site.
- Aug 2001 - Craig Kingston’s Eagle Scout project was a tremendous success and benefit to the ARA at the Pinal Peak site.
- Aug 2002 – ARA VHF repeater is now officially coordinated as a “Portable” repeater.
- Aug 14, 2003 – Power blackout struck Northeastern states. Amateur radio activated to support multiple organizations with varying needs.
- Oct 2004 – ARA is supporting more than 50 radios between eight different sites.

ARA Site Profile

Usery Pass site profile courtesy of Doug Pelley

The ARA has had a presence on Usery Pass since November 2011.

ARA Continued from Previous Column

Location – Usery Mountains Mesa Arizona

Latitude / Longitude -- 33°29’33.0"N 111°38’26.0"W

Elevation – 2,500 ft.

Radios – Motorola CDM radios.

There are two repeaters operating on 146.860 – 162.2 and 449.100 – 100.0. One is linked to Metro Link. There is a Rim Link radio that can be configured as needed. There is also a control radio for the site.

Auto-patch service is available on the MetroLink System.

Antennas – Andrew Model VHF= DB-222E facing West, Andrew UHF= DB-411 facing West.

Link antennas to Shaw Butte and Mt Ord are 5-element Yagi’s.

All antennas are @ 40’ AGL.

Power supply - ASTRON RM-35

Backup – Redundancy Site has 150 KW diesel generator with approximately three days fuel. The fuel tank easy to refill as long as fuel is available.

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

November 2011 First ARA radio on the air from Usery Pass
November 2011.

First ARA installation using 100% Motorola CDM radios.



Usery Mountain Antennas



Usery Mountain Radios

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KARC Continued from Previous Column

Howdy Everyone, from the Kachina Club! Welcome to August!

We're doing great up here! Summer has been in full swing and things are definitely greening up, with some black and gray from the fires, here and there. Beautiful sunny days, blue skies, clouds, and some rain clouds, some smoke clouds too! We've had it all. Looks like it's going to be a great year for apples. The trees have held onto plenty of the blossoms after the frost and wind have thinned them out. There will be copious amounts to eat fresh, store some away and to share. Harvest time will have a sweet taste to it!

Going back to the June 5th VE Test Session, here are the results and CONGRATULATIONS!

Technicians: Manny Rodriguez KJ7ZDC, Jerry Gutz KJ7ZDD, Don Walters KJ7ZDE

General: Sharilyn Dastas KJ7RGH, also Richard Cary KJ7IRE upgraded to General however, different Testing Site.



Dennis Wilkes W7DRW was voted the Best Set Up by Jayme, Marlee and Kynzley Anderson. Their parents, Nick KJ7WXU & Rebelle KJ7WXV Anderson, just got their licenses a few months ago.

Great day for family time! L-R Kynzley, Jayme, Grady, Rebelle KJ7WXV, Marlee and Nick Anderson KJ7WXU. In the background L-R is Blaine Rhoton KI7WFH, Richard Cary KJ7IRE.



Working at the radio is Bryce Rhoton KJ7PNJ and Bill Turley KJ7GYH. Looking on is Alea Turley and Nick Anderson KJ7WXU.



Kachina Amateur Radio Club Field Day 2021, Woodland Lake Park, Pinetop, AZ

FIELD DAY 2021 – The turnout for Field Day was a welcome sight! There were over 30 people that showed up at one time or another. The weather was great! Bill Turley KJ7GYH was our Chairperson. He made it to the Field Day site at Woodland Lake Park in Pinetop at 7:00 A.M., very shortly after, others started showing up. The banners were set out, then with W7RJB Randy Beecroft's help, the antennas were lifted into the air and hooked up to the radios.

Jay Neeb K7JAY left and Vince Cattolica KA7JOI right making Contacts while Jerry KJ7ZDD, Sheri KI7WSE, Bryce KJ7PNJ and Owen KJ7PNI Rhoton visit behind them.



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Owen Rhoton KJ7PNI getting fixed up with some great food from Dennis Mills WA7ZZT.

Bryce KJ7PNJ and Audra Rhoton KJ7RGK having a great time at Field Day 2021.



Our club radio, a Kenwood, was on 40 meters, and used most of the day by those who didn't bring their own gear but wanted to get on the air. We made Contacts as far away as Idaho and some a lot closer to us. Bill made six or eight contacts, then he turned it over to others, staying nearby to give help if needed.

Dennis WA7ZZT and Bobbye KA7MIZ Mills cooked up an outstanding lunch for everyone of bratwursts, hamburgers and hot dogs, with a big pan of Bobbye's sweet peppers and onions mix for topping off. Forks raised and hats off to the cooks! Thank you! After that great lunch, the Rhoton Family took over the driver seat on the club radio and did a very good job of making Contacts. Blaine Rhoton KI7WFH helped people all afternoon until their family left. Bill KJ7GYH helped a young man from Tucson get one Contact. He is eight years old and was at the park with his family. He was walking by, and Bill invited him to get on the air. He was really excited at the chance. Around 5:00 p.m.. the radio was switched to 20 meter and stayed there until we packed up. Bill KJ7GYH had fun making three contacts on 20 meters. Reports are that 25 Contacts were made on 40 meters and three on 20 meters.

Most everyone had left by 6:00 P.M. so we packed up. It was

a busy day, but a good day. Our Chairperson Bill said Randy was a lot of help to everyone. Thanks Randy W7RJB.

Bill KJ7GYH also mentioned he is currently trying to get his half-wave end feed antenna up so he can talk on H.F. That will be a whole new world opened up to enjoy!

Vince Cattolica KA7JOI worked Field Day with Jay Neeb K7JAY, and many others from the club. He used a radio he bought from an estate, a Yaesu FT-450 D. The radio proved itself and worked flawlessly. The antenna used was a Dipole with a small Antenna Tuner inline to the antenna. The transceiver was powered by a 12-volt lithium-ion battery which was also used for the first time. It too, worked flawlessly. He wasn't sure of the exact number of Contacts made on that radio, because the log sheet was turned in to the club, but he estimated that there were 30 or so verifiable Contacts.

Mike Adams AG7AB reported that he had some activity on Field Day. He enjoyed the gathering at the park and seeing everyone. He went home and got on the air in the afternoon. He made a total of 27 Contacts, six on CW and 21 on SSB, this was on 40m and 20m. This was from his home station, so he was a 1D category. He did turn in his log and referenced the Kachina Club, so he hopes it will help the club score a few more points!

Dennis Wilkes W7DRW, worked the 13 Colonies Special Event the following day, and was successful to get all 13 colonies - on four different bands - plus one bonus call - WM3PEN. He was not able to get the other two bonus calls - one in England (GB13COL) and one in France (TM13COL). He's hoping next year the bands will cooperate better. The Rhoton family and others got in on this event as well.

The Independence Day Celebrations around the mountain here went tremendously well! The parades and people and happiness displayed was refreshing and a beautiful sight to behold! Many smiles and laughter lifted everyone's spirit!

Other than keeping our plants and animals alive with water needs, that's about it for us up here. Still shaking and moving, bouncing off the Airwaves! Everyone have a great month!

Take care and be well,
Tara KI7KLJ



No Reports Received



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



SARCCONSTANTS:

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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