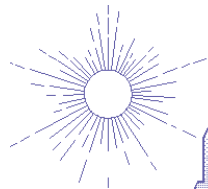


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 46, No 5

May 2021

CLUB MEETING SCHEDULE

SARC

May 5th - 7:00 PM
On Line

AARC

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

YARC

May 6th - 7:00 PM
Via Zoom

TBARC

May 20th - 6:30 PM
Via Zoom - See Website

CADXA

May 6th - 7:00 PM
via Zoom

ARA

May 27th - 7:30 PM
Electronically

MARCA

May 18th - 6:30 PM
via Zoom

MARA

Postponed

ARCCC

May 11th - 7:00 PM
Via Microsoft Teams

WVARC

May 3rd - 7:00 PM
Via Zoom

SuperstitionARC

May 18th - 7:00 PM
Via Zoom

CHRC

May 8th - 9:00 AM
Via Zoom

ANSR

May 20th - 7:30 PM
via GoToMeeting

KARC

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

OVARC

May 21st - 7:00 PM
Via Zoom

AMO

May 13th - 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

May, 2021
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	K7JTT	602.375.9982
Activities Mgr	Lori Cripps	WA7EDI	602.955.7517
Membership	Bob Hodges	K7JTT	602.375.9982

AARC c/o Bob Hodges, K7JTT, 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	bmclean1@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 North Phoenix Campus of Northern Arizona University located at 15451 N. 28th Avenue (near I-17 and West Greenway Road). The meeting is held in room 147. 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	Walt Reinert	NJ8G	treasurer@w7tbc.org
Directors	Clair Wyant	KG7MAJ	kg7maj@w7tbc.org
	Robert Lutes	N7NO	n7no@w7tbc.org
	Chuck Erickson	K7CAE	k7cae@w7tbc.org
	Jeff Rogers	KD7PYE	kd7pye@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 Maricopa PD Community Room, 17985 N Greythorn Dr. 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. Monthly meetings are held in various parts of Arizona. The AZ Chapter will be resuming meetings and Sunday morning nets in May.

The AZ Chapter meets on the air every Sunday morning at 0700 MST (0730 during December and January) on 3890 +/- QRM. During December and January, the net time is moved to 0730 MST.

President	Tom Fagan	K7DF	
Sec/Treasurer	Carl Foster	KB7AZ	
Club Editor	Carl Foster	KB7AZ	carlfoster@cactuscomm.net

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

MINGUS MOUNTAIN REPEATER GROUP

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

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

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@cablone.net. Dues are \$15/yr for individual; \$25/yr for family. Membership is January 1 - December 31. Website: www.kachinaarc.org



ARIZONA REPEATER ASSOCIATION, INC

The Arizona Repeater Association general meeting is held the **FOURTH THURSDAY** of each month at 7:30 p.m. There are no meetings in July and December. The November meeting is held the Monday before Thanksgiving. Meetings are held at Denny's Restaurant, 825 S 48th Street in Tempe, near SR143 and University Drive. Visitors are welcome. Come early for food and social time before the meeting starts. For further information about the ARA, including repeaters, site status, and the tech/board meeting, please visit our web site at www.w7ara.org.

President	Brian McCarthy, AK7F	ak7f@w7ara.net
Vice-President	Erv Heimbeck, K0OTZ	k0otz@w7ara.net
Treasurer	Cole Cunningham, AA7RD	aa7rd@w7ara.net
Secretary	Jim Hoff, N7XXX	n7xxx@w7ara.net

Board Members:

Dennis Campbell, AE7WU	ae7wu@w7ara.net
Mike Montalvo, KF7MBK	kf7mbk@w7ara.net
Marty Dusenberry, KE7DGP	ke7dgp@w7ara.net
Dennis Bietry, KE7EJF	ke7ejf@w7ara.net
Lance Halle, KW7LH	kw7lh@w7ara.net
Joe Godfrey, AE7JG	ae7jg@w7ara.net
Patrick Baldwin KI4NSF	pbaldwin99@gmail.com
James Wasson, N7ELL	n7ell@w7ara.net

For Membership Information, contact (Joe Godfrey, AE7JG membership@w7ara.net) Arizona Repeater Association, Inc, P. O. Box 35758, Phoenix, Arizona 85069-5758. To join or renew, please visit <http://w7ara.org/mbr/Membership.aspx>. DUES: \$18.00/yr. (Jan. 1 through Dec. 31) with a one-time initiation fee of \$10.00. Life and family memberships are available.

SUPERSTITION AMATEUR RADIO CLUB

The Superstition Amateur Radio Club 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.cadxa.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	wa7nw1@gmail.com

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



Happy
Mother's
Day!

May 9th

YAVAPAI AMATEUR RADIO CLUB

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

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

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

ORO VALLEY AMATEUR RADIO CLUB

The Oro Valley Amateur Radio Club meets the **THIRD FRIDAY** of each month at 7:00 p.m. at 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 10:00 a.m. at the Ascension Lutheran Church located at 1220 W Magee Road in Tucson. (BOD Meetings are being held on ZOOM during the Pandemic.) 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. Until further notice, meetings will be held 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

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



ADAW

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**



For Sale / Wanted



LOOK!
Great Deals!

For Sale

The April 8 program at the Arizona Amateur Radio Club meeting was presented by Gary Hamman, K7GH, and it was about the W7UXZ Repeater on 147.060 that we use for our Thursday evening club nets. The owner of the repeater is Lee Walters, W7UXZ, and the repeater is located at 2519 E. Monterosa in Phoenix. The repeater was first activated in July 1976 as WR7AGP in Tempe. It was moved to Phoenix in about 1962 in the house where Lee grew up. He later returned to make it his current residence.

We are grateful to Lee since the repeater is valuable to us for our Thursday net. During the meeting, we used EchoLink for audio by connecting to W7IO-R. Join us on 147.060 at 7:30 PM every Thursday, except the second Thursday of the month when we have our monthly meeting at the American Red Cross Building at 7:00 PM. You are welcome to attend our meetings there also.

Our May VE testing will be on the last Saturday of May (May 29) at 10:00 AM at the Red Cross Building, same place as our meetings. Pre-register with Gary, K7GH.

—Lori, WA7EDI



W7UXZ Repeater

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.

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.

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.

ADAW



May 15th



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 the 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.

Unfortunately, as I write this, the Harkin’s Ham Shack remains closed due to COVID-19 concerns. Additionally, our web page is temporarily down. However, our Twitter feed and Face Book page can be accessed at twitter.com/w7asc_arc and facebook.com/W7ASC, respectively. And, 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.

Mayday, Mayday, Mayday!

Yes, this is the May issue of ADAW; Charles Lindbergh did become the first solo pilot to fly from New York to Paris in May of 1927. May 1st is Labor Day for most of the world beyond our shores, but what does “Mayday, Mayday, Mayday” have to do with amateur radio?

If hearing that triple declaration of Mayday creates a bit of adrenaline rush for you—instead of an image of kids dancing around a pole bedecked with colorful ribbons—you are not alone. As the only licensed operator in the W7ASC shack at Arizona Science Center one day many years ago, I was demonstrating some aspect of amateur radio to a young visitor when, loud and clear, the alarm rang out: “Mayday, Mayday, Mayday!” Turning quickly to my left, I spied a young girl of eight or so, microphone in hand, enthusiastically declaring a state of emergency. I was too flustered to consider any remediation other than yanking the microphone from her hand and trying to calmly explain what a “live” radio was and why we don’t publicly declare an emergency when none exists. The young girl quickly exited the shack and I considered growing an extra pair of eyes in the back of my head. But I digress. (FYI: Mayday, as a distress call, is a phonetic twin of m’aidez which means help me in French.)

Amateur radio is all about communications: from rag-

CARL Continued from Previous Column

chewing to declaring an emergency, and everything in between. In an earlier ADAW article, Jean (W4CIH) addressed the uncertain future of amateur radio if we fail to defend its utility to the world around us. In casting about for this month’s theme, I began to think about marketing. I am an engineer by training and that includes knowing that marketing can mean more to the success of a product than its technical merits. Amateur radio is one such product, so I reviewed a few articles on marketing and what came to the fore was the trinity of strategies, tactics, and tools. Strategies are the big picture for creating our market. Tactics are the broad-brush efforts available to maximize product exposure within our strategies. And, tools are how we impart our message to prospective customers. As individual operators and ARCs, we can’t expect third party organizations like ARRL and media to bear all the responsibility—we are the frontline marketers.

Consider the Center for Amateur Radio Learning. Our primary strategy is to reach as many potential new hams as possible—the Law of Averages has not been repealed. The Harkins Ham Shack at Arizona Science Center gives us an annual exposure of over half-a-million visitors. From that population, we expect over 1,000 individuals a day to walk through the “My Digital World” gallery and at least glance over at the shack. Our primary tactic to convert those glances to contacts is eye-candy: pleasing colors and lighting, dynamic and static displays, purple-shirted human attendants, and, of course, radios, microphones, and the sounds of other visitors sending their names in Morse code. All that nets several hundred looky-loos who get close enough to make eye-contact and receive a personal invitation to spend a few minutes with one of the operators. About 100 visitors a day accept the invitation. That’s when the tools come out. Once engaged with an operator, the visitor is shown the code keys, radios, world maps, literature racks, etc.; given a brief statement about amateur radio and its mission; and then seated at one of the consoles, or handed a live microphone, for a hands-on experience they won’t soon forget. Whether they are 3-years old or 103, there is some aspect of amateur radio that will hold their attention for the minute or so required to get our basic message across. The seeds are planted. Others, or subsequent return trips to ASC, will cultivate and water.

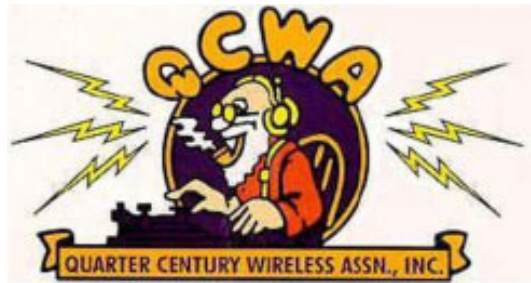
Of course, during the COVID-19 pandemic, we have been required to temporarily stand-down at Arizona Science Center’s physical venue, but we have other strategies, tactics, and tools at our disposal to maintain a presence and influence for recruiting new hams. Our Face Book page, Twitter feed, website (temporarily in flux), radio nets, and Zoom conferences all keep our message out there while we await the reopening of Harkins Ham Shack at Arizona Science Center.

73, HPE CU SOON

de WB4ZSC Steve - vyix99@yahoo.com - 480.570.1041

Continued Next Column

Hamfest Calendar



CHAPTER 16

BARRY M. GOLDWATER ARIZONA CHAPTER

1 May 2021 - **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(-) P1 162.2 Hz.

25 September 2021 - **RST Tucson Fall Hamfest** - hosted by the Radio Society of Tucson will be held at the Target Store, 9615 E Old Spanish Trail in Tucson. 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 K7RSJ B; 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.

16 October 2021 - **Amateur Radio Tailgate ShowLow** - hosted by the Kachina Amateur Radio Club 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.

4 December 2021 - **Superstition Superfest** - hosted by the Superstition Amateur Radio Club. Time and Locations to be Announced. Visit the web site at superstitionsuperfest.org for latest details.

ADAW

Continued Next Column

BARRY M GOLDWATER, ARIZONA CHAPTER 16, QUARTER CENTURY WIRELESS ASSOCIATION since 1962.

The Barry M Goldwater Arizona Chapter of the QCWA includes amateurs from all over Arizona that have been a ham for more than 25 years.

Due to Covid-19, all paid members will receive one free year of membership.

We are restarting quarterly meetings at the traditional three locations; Phoenix, Prescott, and Tucson areas. If you know of a restaurant with a meeting location, please let us know. A lot of the traditional locations have closed. We will use Zoom in the interim.

We would like to re-start the weekly on-air nets. They were previously on Sunday mornings on 75 meters. Some members requested that the weekly net be on 40 meters to accommodate those people who have smaller lots.

President: Tom Fagan, K7DF, president@azqcwa.org

Secretary/Treasurer: Carl Foster, KB7AZ, secretary@azqcwa.org

<http://azqcwa.org> <https://www.facebook.com/AZQCWA>
DUES: \$7.00/year and current national QCWA membership
www.qcwa.org



**With Honor & Gratitude
We Remember**

Memorial Day - May 31, 2021

Hamfest Calendar Continued from Previous Column

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.

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.

May Test Sessions

May 1st - 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

May 1st - NOMADS -- 9:00 AM
Venture Out RV Resort, 5001 E Main St, Mesa
Call or Email Team to Schedule a Test/On Demand Testing
Contact - Robert Bingham 480.404.1408
No Walk-Ins / Call Ahead

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

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

May 10th - Radio Society of Tucson -- 7:00 PM
Biscuits Country Cafe, 7026 E Broadway Blvd, Tucson
Contact - Diane Zimmerman 520.664.5070

May 15th - Hualapai ARC -- 10:00 AM
3571 ELum Ave, Kingman

May 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

May 18th - 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

May 19th - Thunderbird ARC -- 6:00 PM
<https://www.w7tbc.org/ham-radio-license-ve-exams/>
See Website for Location
Contact - Walter Reinert 602.668.7804
No Walk-Ins / Register or Call Ahead

May 29th - Arizona ARC -- 10:00 AM
American Red Cross, 4747 N 22nd St, Phoenix
Contact - Gary Hamman 602.996.8148
Masks Required / No Walk-Ins / Register or Call Ahead
Pre-Register Required by the Thursday before



May Day
MAY 1st





Howdy to Everyone from the Kachina Amateur Radio Club!
We are looking forward to May. Soon enough we will find ourselves right in the middle of the year!

On April 16th, the Kachina Amateur Radio Club celebrates its 54th year!

Right off the top we'd like to CONGRATULATE these folks for their accomplishments! Here are the results of our April Testing Session held at the Taylor Fire Department. We appreciate the Fire Department providing their facilities for our Amateur Radio testing sessions. Thank you!

- KJ7WSB Betsy Standage Technician
- KJ7WSC Jason Reidhead Technician
- KJ7WSD Deborah Ruud Technician
- KJ7WSE Sheri Rhoton Technician
- KJ7WSF Kim Jessup Technician
- KJ7RGK Audra Rhoton General
- KJ7UDC Yanjuan Walters Extra
- KJ7PNI Owen Rhoton Extra
- KJ7GYH Bill Turley Extra

We were able to hold an in-person club meeting in April. People were delighted to see each other in person and meet the newest Ham Radio Operators. The Rhoton family gave a presentation that evening. Sheri Rhoton KJ7WSE is the latest person in the Rhoton family to receive her Ham Radio Ticket! Her husband and three older children already have theirs. What a fun time for them! They have been enjoying getting on the HF Radio and making contacts in the U.S. as well as outside of the country. That's always exciting when you begin to make those first HF contacts. Even the most seasoned ham still enjoys making a far away contact that will bring a smile to their face and make their heart beat a little faster. It's still a thrill after many, many contacts have been made over time, to ride the Airwaves and make that one unique connection that adds to their list, making it an interesting read for the places they've been.

Up here on the mountain, it's still very windy. It makes a person check on their antennas many times to be sure it's all secure and operational. That wind can really be something up here. We sure are grateful when it takes an occasional pause!

There are stirrings up here of those who are preparing for the coming growing season. Hoping for the best, but we know we

No Report Received

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.



KARC Continued from Previous Column

are dry up here. It will be a challenge to keep ourselves and our plants and animals hydrated this summer.

We received some information that W8YBM Rick Gurk and his helpers will once again be holding a Ham Radio Tailgate event this fall. We will be looking forward to that! October 16, 2021 7:00 a.m. to 12:00 p.m., Masonic White River Lodge#62, 741 E. Whipple Street, Showlow. You can contact Rick here through his email if you have any questions. w8ybm18@gmail.com

That's about it for us up here. We'll be holding on to our hats as we watch the great real estate swap take place each time the wind blows! We'll see you soon for all you mountain visitors and passersby!

Keep Bending the Airwaves and keep on smiling!

Take care and be well,
KI7KLJ Tara

Continued Next Column





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

This year, in recognition of World Red Cross and Red Crescent Day on May 8th, Red Cross amateur radio operators across the country will take part in a digital messaging exercise asking them to send an email message over the radio using Winlink. We have been helping radio operators train for this event with regular exercises over the past few months. They will have an opportunity to put all the pieces together by forwarding a check-in form and an exercise message, including a requisition for supplies using a template form that is part of the Winlink Express software.

In past drills, we have had hams affiliated with the Canadian and Venezuelan Red Cross check-in with our teams. In a nod to World Red Cross Day, we expect Red Cross amateur radio operators from other national Red Cross societies to also participate. We invite all interested radio operators to learn more by visiting our EmComm training website at <http://www.arc-emcomm-training.org/>.

World Red Cross and Red Crescent Day is an annual celebration of the principles of the International Red Cross and Red Crescent Movement. World Red Cross Red Crescent Day is celebrated on May 8th each year. This date is the anniversary of the birth of Henry Dunant, who was born on 8 May 1828. He was the founder of International Committee of the Red Cross (ICRC) and the recipient of the first Nobel Peace Prize.

In addition to training, our members have been busy preparing for wildfire season. As part of our commitment to support Red Cross relief efforts, we are currently surveying pre-identified shelter locations around the state and testing radio links between those potential shelters and our Red Cross offices. This will enable us to respond more effectively when called into action.

Our VE Team has been busy this past winter hosting test sessions for hams looking to upgrade or earn a new amateur radio license. Our next session will be held Saturday morning, May 1st at the Red Cross office in central Phoenix. Anyone wishing to register for a test can do so by visiting our club website at www.k7arc.org. Following this session, our VE team will take a break for the summer with plans to resume testing again in October. However, VE sessions will still be offered through the summer at the same location by the VE team from the Arizona Amateur Radio Club. Their testing schedule is available by searching the calendar on the ARRL

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Due to the ongoing situation with COVID-19, the May meeting will be held virtually using Zoom. The meeting will be Thursday night, May 6th starting at 7:00 p.m. (0200Z). You can begin checking in at 6:30 p.m. and visit informally with other club members on Zoom until the meeting starts. We often start our in-person and now Zoom meetings with introductions and maybe a “brag” question to the group. We will have this stage from 6:30 to 7:00 PM, at which time our presentation will begin. The club business meeting will be held after the presentation. Please turn off your computer camera and microphone when the formal part of the meeting starts. The link to the Zoom meeting will be sent to all members just prior to the meeting. Our meetings are open to all. If any of you reading this would like to join via Zoom or would like any other information about CADXA, send me an email: aa4q@arrl.net.

The May 2021 CADXA Presentation will be “Ferrites & Common Mode Chokes” presented by Kevan Nason N4XL.

It was a newly discovered interest in contesting that started Kevan Nason, N4XL, on his quest to understand the concepts behind advice offered by successful hams. He sought to discover why he was being beaten so badly by people using shacks that seemed similar to his. It turned out there were many.

He joined the U.S. Navy shortly after being licensed in 1975. He found it difficult during his twenty-year career to work DX while onboard submarines. He was able to set up dozens of portable and fixed stations when on shore following standard, “common knowledge” practices, some worked well, and some didn’t. The Naval Nuclear Propulsion program taught him if you understood why something was done, then you could make better decisions when faced with unusual circumstances. After deciding to achieve competitive contest scores he applied that philosophy to the design and operation of his own shack. His research rewarded him with many Southeast regional contest wins and by often finding his call listed in the North America Top 10 list for his chosen category. Those results have been achieved using a modest station of a Kenwood TS590 transceiver, Tribander at 50 feet, and an elevated vertical, some wire antennas, and a better grasp of how to make them work as they should.

The April program was presented by W3LPL, “HF Ionospheric Propagation.” The replay is available at <https://www.youtube.com/watch?v=4-pBa3Eyxsk>.

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Silent Keys



Tuck Miller, NF9T
July 7, 1953 - March 10, 2021

Tuck Miller, NF9T (ex-NZ6T), of Danville, Illinois, became a silent key on March 10, 2021. He was 67 years old.

Tuck was a life member of the American Radio Relay League. He served as the San Diego ARRL Section Manager from 1998 until 2002. Tuck was elected as the ARRL Southwestern Division Vice Director in 2002. He was reelected to the position of San Diego SM in 2006 resigning shortly thereafter due to health reasons.

Tuck proudly served in the United States Navy during the Vietnam conflict, stationed first in San Diego, California, and then Norfolk, Virginia. He was a barber by day and a disc jockey by night.

Upon discharge, Tuck returned to Danville where he worked with the Danville Police Department for a couple of years, and then moved on to spend six years at the Danville Fire Department. He returned to San Diego and worked shipyard security before spending 25 years driving a trolley for San Diego Transit.

Retirement didn't slow Tuck down. He moved back to his hometown of Danville and became active in TOPS and Ambucs. He was a stadium announcer for the Danville Dans and became well known for playing Santa Claus in downtown Danville and in the annual Christmas parade. Tuck enjoyed bowling. He was inducted into the Bowlers Hall of Fame and wrote weekly bowling reports for The Commercial News and on Facebook.

Tuck never met a stranger. He was always ready with a joke or two just to make you smile. His quick wit and humor were well known. His laughter was contagious. He will be well missed.

Rest in Peace, dear friend.



Jean Jolkovski, W4CIH
1926 - 2021

I am sad to report that the Jolkovski family has informed me that Jean W4CIH passed away on the afternoon of 10 Apr 2021 & is now a Silent Key. Please keep his family in your thoughts & prayers during this difficult time.

Jean contributed CARL's column to the monthly ADAW Newsletter for many years. Jean was a proud radio amateur who believed in its service to the nation & the community. Our community benefitted greatly from W4CIH's personal involvement at the W7ASC Harkins Ham Shack instructing inquiring minds how to code their names and sharing his love of HAM radio.

No service is planned.

Sam Marshall, N7INV

Visit <https://www.facebook.com/W7ASC/posts/3974173652644237> for more about Jean's life - in his own words. ed.

CADXA Continued from Page 12

CADXA has several year-long on-the-air activities set up similar to CQ's DX Marathon. This allows members to track their progress working DX against other members. It encourages working the common ones again every year in between chasing the really rare DX entities. Also, someone with a smaller station working lots of casual QSOs might beat out a DXCC Honor Roll guy with a KW and a ton of aluminum in the air. Tune in to our meeting to see this month's status!

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

See you on Zoom for the May meeting.

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

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website.

As summer draws near, many of us in the valley set our sights on cooler pastures. We are looking forward to Field Day in June and a chance to spend the weekend with our friends in the high country. We're still in the planning stages but you can bet we will have a good time practicing our radio skills wherever we go. We hope that you, too, will get out there and enjoy a safe and healthy summer with family and friends!

ADAW



History corner – A few interesting facts about the ARA

- May 1974 - ARA is accepted as the second member of the Phoenix Community Radio Watch program. ARA members have an advantage to report incidents via autopatch directly to the City.
- May 4, 1974 - Several tech committee members ascend the White Tank Peak at 3900 ft with ARA's Motorola solid-state repeater on 146.04/146.64 MHz for coverage testing.
- May 1992 - Program Committee hosts a presentation on the invention of the Walkie-Talkie during WWII. The presenter was Al Gross the inventor.
<https://lemelson.mit.edu/resources/al-gross>
- May 1993 - ARA is continuing to raise funds for the Mt Ord tower. A little over 1/3 (\$6,824.10.) of the cost had been collected at that time.
- May 1995 - The ARA receives approval from the USPS for third class mailing nonprofit status.
- May 2005 - The ARA web address changes from arizonarepeaterassociation.org to w7ara.org. Jim Hoff (N7XXX) manages the new website.

ARA Site Profile

Towers Mountain site profile courtesy of Site Manager Mike Montalvo, KF7MBK

The Towers Mountain repeater is located on Towers Mountain (34.23409840102865, -112.3687424908171), approximately 2.5 miles NNW of Crown King. Driving there from Crown King is 5 miles of an occasional rough road. The site is at 7600 ft. elevation, overlooking Crown King, with less than 200 residents and nearly 2000 ft. below our site. The small block building nestled between the tall pines houses the ARA site as well as other ham and commercial equipment.

The site consists of the Towers Mountain Repeater on 449.175 -100.0 running on a pair of Motorola CDMs, the Northlink Hub also running on a pair of CDMs and a control radio running on, you guessed it, a CDM. As it is with all ARA sites, the repeaters are controlled by an RLC3 controller and custom built cards in a backplane to handle audio levels and PL decoding. The tower is guyed and stands 100 feet tall.

In August of 2017, the ARA agreed to assume the Northlink ham presence at this site. The Northlink Association transferred coordination of the repeater frequency and the Northlink Hub frequency to the ARA. The ARA conducted a

ARA Continued from Previous Column

site survey to understand the current conditions and evaluate what work was needed. Lance (KW7LH) and Brian (AK7F) identified a number of things to be addressed. The roof needed some work, which the ARA negotiated with the site owner to replace it in exchange for credits. Lance also provided a favorable review of the Crown King Saloon burger.

At the September 2017 board meeting, the ARA approved the replacement of the roof and began the process to complete the project. In November of 2017, the ARA standard rack build was well underway in Phoenix by Mike (KF7MBK) with the help from Joe (AE7JG). A site trip was organized to install a new control antenna, a 425ah AGM backup battery and a Samlex SEC-1280UL battery charger. Abandoned equipment was removed and existing equipment consolidated to support the new rack spaces with the site owner's permission.

With the winter weather looming, site access was a problem. It wasn't until May of 2018 that Lance (KW7LH), Cole (AA7RD), John (K7LKL), Joe (AE7JG) and Mike (KF7MBK) made the trip there to install the new rack and replace the existing Towers Mountain repeater and Northlink Hub radios with the CDMs. A time-lapse video of that install can be seen here: https://youtu.be/VTCWAXBN_Is

Since the install, the site has generally been trouble free. A trip was made in June 2018 to repair a bad 90 degree coupler (Video: <https://youtu.be/nQnvTpUWxXY>). A recent failure at the antenna, probably caused by falling ice, was repaired in April 2020.

The June 1995 Arizona Highways featured an article on Amateur Radio Operators which mentions the Northlink and ZIA systems. It also maps several ARA sites. Article starts on page 36 and can be found at:

<https://azmemory.azlibrary.gov/digital/collection/aho/id/190/> (click on the green "VIEW BUTTON" on the magazine cover)



Continued Next Column



Superstition Continued from Previous Column

members can camp over night. The club reserved the spot for Friday, April 23rd and Saturday, April 24th, and we will need to be out of the site Sunday morning before 11:00 a.m.

We have a great time hanging out and telling stories, whether true or not. Come on out and hang with your fellow club members. We will still practice social distancing and all the other safety precautions.

With the Governor now lifting a lot of the bans, we can now gather in greater numbers, but we still want to be safe. We are outdoors, so it does make things a little better. I hope to see all of you there. 73!

Top of the Month of May!

One change to note: We have a new email address to get more information about the Club – info@SuperstitionARC.org. This information is posted every month up in Member Clubs on Page 3 of this ADAW.

I want our members to know that Managing Editor – Chris, N7PVL – uses her spare time to publish ADAW for 21 clubs, and she gives each club equal space and uses the same basic style for each. Of late, that spare time is very short.

Thank you, Chris, for the work that you do on this news magazine! – Larry, WB7C

Next Club Meeting is Tuesday, May 18 – 7:00 PM on Zoom

Please see Superstition ARC in Member Clubs, found on Page 3 in this ADAW, for visitor participation in our online meetings. For program information, please see the club web site, SuperstitionARC.org for current details as they emerge.

Club Picnic - Saturday, April 24 – Usery Mountain Regional Park

Located at 3939 N Usery Pass Road, Mesa AZ 85207 (northern extension of Ellsworth Road). Maricopa County Parks daily entry fee is \$7.00 per car, or use an Annual Pass (\$85) for access to all parks in the system. This is where we held Winter Field Day.

For more info, please check our website.

Club publication Article Submission deadlines:

For this ADAW column, please submit by 3rd of this month for next month. Publishes 24th of this month or thereafter.

For the Communicator, the club's member newsletter: 27th of this month. Publishes first week of next month.

President's Corner

by Steve, KB7KWK

WOW! Is it April already? Where does the time go?

I hope all of you are doing okay. It looks like the Covid-19 pandemic may finally be coming to an end. We may soon be able to meet in person again for the club meetings. I hope that is the case.

I think it's much better to meet face-to-face at club meetings rather than over the computer, although that seems to work just fine and we tend to have an average of around 50 people on those Zoom meetings. The data shows that more of you are attending the club Zoom meetings than when we used to have regular in-person club meetings.

If the City of Mesa ever lets us back into the building, I hope to see all of you at the meetings there. I will be taking a survey at that time to see if you, the club members, would rather keep having Zoom meetings instead of meeting in person.

I don't mean every meeting. I was thinking maybe we would meet in person six times a year and Zoom the other six. I will leave it up to club members when that time comes. I think the Board of Directors will be trying to do the same thing.

One thing is for sure, the club Picnic is coming up at the end of this month and I am sure we will have a lot of people meeting in person there. We have reserved the same camp site that we had for Winter Field Day at Usery Mountain Park and

Continued Next Column

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

Superstition ARC Repeaters

147.120 MHz (+) 162.2 Hz - Linked to 449.600 (-) (Analog Only)

449.600 MHz (-) 100.0 Hz - Linked to 147.120 (+) (Analog Only)

448.275 MHz (-) 100.0 Hz - Fusion

WB7TJD-L Echolink Node

Club Nets

Morning Drive Time Net: Mon-Fri, 7:00-8:00 AM - Trivia

Saturday Supershow: Sat, 8:00-9:00 AM - Trivia

Weekly 6 Meter Sideband Net: Wednesdays, 7:00 PM on

50.140 MHz, W7ASL-L EchoLink, and 145.575 FM Simplex

Club Net: Wednesdays, 8:00 PM - Discussion, Elmer Q&A.

Mesh Information Net: Thursdays, 7:00 PM - Net control
Steve, KB7KWK

Fusion Confusion: Monday & Friday, 8:00 PM - 448.275

10-Meter Rag Chew: Thursdays, 8:00 PM, 28.465 MHz USB

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

Superstition SuperFest

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



The Yavapai Amateur Radio Club, like many others, continues to operate with Covid-19 restrictions in place. Our regular monthly club meeting has been conducted via Zoom, with as many as 40+ members on line. If you would like to join the fray, the Zoom 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?). At present the first scheduled event comes on April 17, 2021. It is the Whiskey Basin Trail Run, a two-day event for which we will provide support communications. Following that event comes the Yarnell Memorial Run on June 5, the Prescott Rodeo Parade on July 3. One of the largest is the Whiskey Row Marathon, which has been scheduled for October 9th. So far, event sponsors have been cautious, but more events are anticipated. They are coming back!

We continue to conduct license testing sessions using a staggered time and social distance arrangement. Doing this, we can accommodate as many as 20 candidates. The April 3, 2021 session tested 19 candidates. All passed and we now have nine new Technicians, five General upgrades and four Extras. Congratulations to all.

Our next session will be on June 5, 2021. Pre-registration is required at www.w7yrc.org/arrl-vec/. We require registration ahead of the test sessions because the COVID restrictions limit group size, and time and place of testing can be changed without much warning.

The Yavapai Amateur Radio Club now has a 2-Meter and 70CM FM net dubbed the "1300 Net." It is held every day, except Saturday & Sunday, at 1300 hours MST on 146.880 – with a PL of 100 Hz and 447.650 – with a 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

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

We are looking forward to Field Day 2021. Little Dealer Little Prices, located on HWY 69 in Prescott Valley, will host the 2021 Field Day Event on June 26th and 27th. Mr. Danny Sampson (General Manger) has graciously offered his RV

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Public Service Calendar

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
ADA Bike Rides	North Phoenix	10/23/2021
Auxcomm Interest	TBD	12/31/2021

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

Dealership for the YARC Field Day and Picnic Event. Mr. Sampson has agreed to provide our club the necessary space needed for the setup of our radio equipment and picnic area for this event. Ray KI7COM has volunteered to be the Chairman and he has many great ideas for this fun outdoor event to test our radio skills away from our home radio shack. He is looking for additional volunteers and suggestions for this event.

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!





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SHORT SKIP

Keeping the Fun Going During a Pandemic
The WVARC Annual Auction

This has been a frustrating year for clubs. One challenge is how to keep a club active during a pandemic. Face-to-face activities, especially indoors, are not safe for our members. We have adopted Zoom for our meetings and of course we have our radios for nets and ragchews.

In spite of the challenges, club members wished to keep the annual auction tradition going, so we put together a small planning committee of Frosty NQ1S, Gary K8BKB, and me, Krissy KI7GJJ. Some of the options explored were: using Zoom, doing a silent auction, and holding an outdoor auction. We ended up using a combination of all three.

This year, bidders and sellers were asked to preregister for the auction. Sellers then submitted photos of their equipment to sell ("Lots"). April KI7GFJ used her creative skills to post the photos onto the club website. Potential bidders had just over a week to view the Lots prior to the auction.

With local ham fests cancelled this year, we didn't have that venue for advertising; however, we were able to advertise the auction in the Arizona Desert Aire Waves (ADAW) newsletter. Ham Radio Outlet (HRO) also generously passed out our auction fliers to their customers for us. The word got out! Prior to the auction we had 56 Lots up for bid and 53 registered bidders (including 14 registered sellers).

At 10:00 a.m. Saturday, February 20th, we were ready to begin, with 40 of the 53 registered bidders attending the auction from home while using Zoom. Frosty opened the auction on Zoom by explaining the rules and procedures, with Charles KE7IBG taking bids on the first Lot. Using Zoom, did add a twist: spotting bidders was quite a challenge. Charles, who has been one of our "in-person" auctioneers for years, needed to slow down so that our spotters had time to spot the active bidders.

It took just over two hours to auction the 56 Lots – with 75% of the Lots selling! The total sale value was \$3,296, which was purchased by 17 different bidders. The winning bids ranged from \$3 to \$525.

The challenges continued that same afternoon, as sellers

WVARC Continued from Previous Column

dropped off their sold Lots at the parking lot of the Shepherd of the Desert Lutheran church, and bidders picked up their purchased treasures. Unfortunately, it was a very windy afternoon, which made it difficult to keep papers, equipment and even chairs from blowing away. One of our volunteers, Dick KE7RD, even came up with using ropes tied to his car to hold down the one canopy from blowing into the next county.

Despite the challenges, it was a great day, and I would like to thank the volunteers who made this auction a success: Alven WE7I, Anthony K7IAB, April KI7GFJ, Charles KE7IBG, Curt N6ATC, Dave KI7GFH, Dick KE7RD, Doug K9RZ, Frosty NQ1S, Gary K8BKB, James KB8HEL, Jay W7CJH, Jeremy KJ7KEC, Jim N7YTI, Joe KJ7PUL, Rusty WA8ZID.

Krissy KI7GJJ



Most of the volunteer group waiting on the last bidder to arrive



Our fearless leader, Krissy, KI7GJJ enjoys a snack

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ADAW

West Valley ARC Annual Auction



Cashier Doug K9RZ shows winning bidder his purchased items



Anthony K7IAB and James KB8HEL at Sellers table-K8BKB and KE7RD in BG



Frosty NQ1S unloading his truck



Dave KI7GFH and Rusty WA8ZID unloading cones



James KB8HEL checking a Seller in



Jeremy KJ7KEC and Joe KJ7PUL unloading Seller vehicle



Jim N7YTI, James KB8HEL and Krissy checking Sellers in

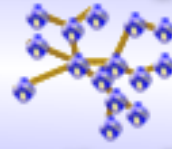
Joe KJ7PUL, Jim N7YTI and Jeremy KJ7KEC checking SOLD items in





No Reports Received

Arizona Mesh Organization



Connecting Arizona



Hello everyone. The weather continues to improve. Some of our members have begun to gather in the local parks. These have been fun and informative gatherings. No contest, no rules, just a group of Hams getting together. Several people set up their portable rigs. More conversation than operating takes place, but it is just good to see everyone in person again. Many new Hams who have gotten their ticket in the last year have actually never seen these types of events. The next one will be at Tumbleweed Park in Chandler on the 27th of March. The location is the east side of the park and people will be around from about 10 – 3 PM that day.

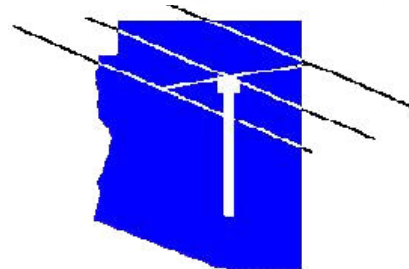
For obvious reasons our monthly club meetings continue to be held via Zoom. The meeting is currently held the second Saturday of the month at 9 AM. You can find a link to the meetings on our website; chandlerhams.org. Each month recently we have included a presentation of interest at the end of our regular club meetings. For April, the presentation will be given by Gary W9XT on the subject of Beginning Level Contesting. This should be interesting and informative. Please join us if you can.

Our Thursday evening net continues at 8 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 does a great job. Please ‘check in’ and see what it is all about.

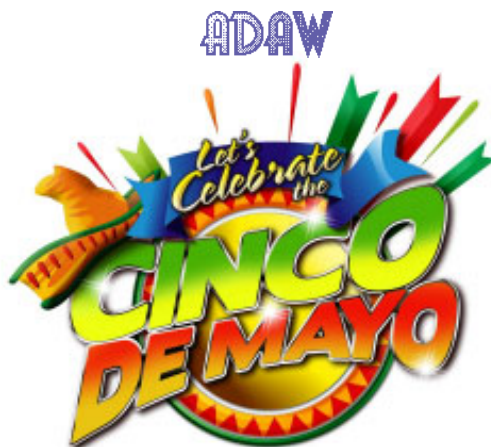
VE testing continues on a limited basis at the Tri-City Baptist Church in Chandler at 10 AM on the first Saturday of the month. Check our website for registration.

Watch our website or this newsletter for coming events.

Mike – AA0MR
President CHRC



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