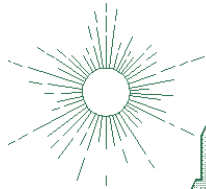


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 46, No 3

March 2021

CLUB MEETING SCHEDULE

SARC

Mar 3rd - 7:00 PM
On Line

AARC

Mar 11th - 7:00 PM
American Red Cross/Echolink

YARC

Mar 4th - 7:00 PM
Via Zoom

TBARC

Mar 18th - 6:30 PM
Via Zoom - See Website

CADXA

Mar 4th - 7:00 PM
via ZOOM

ARA

Mar 25th - 7:30 PM
Electronically

MARCA

Mar 16th - 6:30 PM
via Zoom

MARA

Postponed

ARCCC

Mar 9th - 7:00 PM
Via Microsoft Teams

WVARC

Mar 1st - 7:00 PM
Via Zoom

SuperstitionARC

Mar 16th - 7:00 PM
Via Zoom

CHRC

Mar 13th - 9:00 AM
On-Line

ANSR

Mar 18th - 7:30 PM
via GoToMeeting

KARC

Mar 9th - 6:30 PM
New Hope Christian Fellowship

OVARC

Mar 19th - 7:00 PM
Via Zoom

AMO

Mar 11th - 7:00 PM
Charles K Luster Bldg

ATN (VOAR)

Mar 21st - 7:00 PM
www.whereby.com/atn1

QCWA-AZ Chapter

TBD
Phoenix/Prescott/Tucson

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	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	480.456.1154
Vice President	Ray Vasquez	K4RMV	
Secretary	Mike Childers	K7URK	
Treasurer	Douglas Mitchell	W7ADD	
Past President	Paul Finell	W7EFQ	602.741.6563
Board Members	Irv Hembuck	K0OTZ	
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 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	KD7QIW

Arizona Red Cross Communications Club - K7ARC, 4747 N 22nd Street, Phoenix, AZ 85016.

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	W17Y	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 schedule is as follows:

Phoenix - Third Wednesday of each month. Contact John Marshall at wa7bsr@gmail.com

Prescott - Second Tuesday of each month at 10:30 a.m. at Golden Corral, 1901 E AZ-69 in Prescott. 982.776.1664. Contact Don Broadston.

Tucson - Seeking volunteer to set up monthly meetings in Tucson.

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	John Marshall	WA7BSR	623.334.2583
Vice President			
Secretary			
Treasurer	Dave Hanson	W7BJw7bj@outlook.com	
Webmaster	John Marshall	WA7BSR	623.334.2583

Web Site: <http://azqcwa.org> Email: azqcwa@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 meets the **THIRD TUESDAY** of every month at 7:00 p.m. online using Zoom videoconferencing during the pandemic until further notice. Visitors are Encouraged. Please email President@SuperstitionARC.org a day in advance for the link. The Officers and Board of Directors meet the second Tuesday of every month 6:30 p.m. via Zoom.

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:	Fred Atkinson	WB4AEJ	602.464.4406
	Jeff Harris	K2DFE	602.617.6930
	Jeff Heinze	N7CCW	480.720.7908
	Bob Thomas	N8ANV	239.253.8279
	Emmet Plant	KB3MPN	
	Greg Watkins	WB7VOK	
	John Wolven	KG7NSP	

Superstition ARC, 5155 E Eagle Dr #21522, Mesa, AZ 85277. Web Site: SuperstitionARC.org and SuperstitionSuperFest.org. The Superstition Amateur Radio Club, Inc. is a 501(c)(3) non-profit corporation. For more information, contact: communications@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](mailto:cadx@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.



March 8th

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 Snedder	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
Post President	Bill Noe	WG7W	
Board Members	Dave Erlach	W7VXS	rocketdog@dslxtreme.com
	Mike Schnell	NC7X	ka9cid@gmail.com
	John Laing	K7PRS	k7prsextra@gmail.com
	Ray Kolman	KI7COM	spudsmn@gmail.com

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

ORO VALLEY AMATEUR RADIO CLUB

The Oro Valley Amateur Radio Club meets the **THIRD FRIDAY** of each month at 7:00 p.m. at 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 **SECONDSATURDAY** of each month at 9:00 AM at Tri-City Baptist Church, 2211 W Germann Road, Room #180 in Chandler (very back of parking lot). 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), a newly formed 501(c)(3) amateur radio club, meets the **SECOND THURSDAY** of each month at the Charles K Luster building, 640 N Mesa Drive in Mesa. The organization's goals are to support ARDEN MESH networks throughout the state of Arizona, explore new technologies, support emergency and public service communications, and (of course) to have fun along the way. AMO's purpose is to promote the education of what amateur radio mesh is, to support and exchange information with mesh users throughout the state, and to further the technology of mesh radio itself. Weekly AMO radio nets are held from 7:00 to 9:00 PM on the 1st, 3rd, and 4th Thursday evenings of the month on the Superstition ARC linked repeaters - 147.120 and 449.600 and the KB7KWK-L Echolink node. 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

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. Web Site <https://arizonamesh.org>

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**

From The Editor's Desk

Can you believe it's March already? Well, as this is written it's the end of February, but it nearly is.

March brings with it - are you ready? - a couple of hamfests! The QSO Today Virtual Ham Expo is being held on March 13th and 14th. This event is entirely on line making attending really easy. You can even attend in your PJs if you want. There is a \$10 fee to participate this year which will be used to help defray some of the cost of bringing the event to you. For more details and to sign up, visit the web site at www.qsotodayhamexpo.com.

Next is the annual RST Tucson Spring Hamfest. This one is held in the parking lot of the Target store on Old Spanish Trail in Tucson. This is an all outdoor event and promises to be a big one. Setup starts at 5:00 AM with coffee ready at 6:00 AM. It's free admission and parking. Seller spaces are just \$10 per parking space. There will be prizes and ARRL Award checking, but no VE testing this year. If you are pining for a hamfest or have a bunch of stuff to sell, check this one out!

The Arizona Amateur Radio Club and the Arizona Red Cross Communications Club have, out of an abundance of caution, decided to cancel this year's April Hamfest at DeVry. The clubs are considering rescheduling for a later date. Stay tuned!

As of this time, the Cochise Amateur Radio Club will hold their annual Cochise Hamfest and 7th Area Phone/CW/Digital Communications Exercise on May 1st. There will be free parking and admission. Gates will open at 7:00 AM and VE testing will take place from 9:00 - 11:00 AM. For all the details, check their web site at <http://www.k7rdg.org>.

On a somber note: Former Southwestern Division Director Art Goddard, W6XD passed away on February 13, 2021. Art was elected as Southwestern Division Vice Director in 1995 and served two terms before being elected as Division Director in 2001. After retiring from the ARRL board, he continued to advocate for stronger public relations promoting Amateur Radio.

Dreux Jacques, W7EMU lost his battle with COVID 19 in mid January. Dreux was a member of the Scottsdale Amateur Radio Club and was very active with the group. Our condolences to the family.

Dreux's brother Gerry, KE7GYM and Attila Revesz, W7AMR also members of the Scottsdale club contracted the virus also. Both are recovering. Wishing them a speedy recovery.

There's lots of news from ADAW clubs this month. Enjoy reading what some of our clubs are doing to keep busy.

Until next month - Stay Safe - Stay Healthy

73,
Christine, N7PVL

ADAW

Hamfest Calendar

27 March 2021 - **RST Tucson Spring 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>

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(-) Pl 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>

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.

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.



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 the 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. WEB SITE: W7ASC.ORG - At the time that this newsletter is being drafted, the website is not available as it is being edited.

The COVID-19 virus has forced ASC to limit availability, so W7ASC will not be open again until ASC operation returns to normal operations. Keep watching the ASC website for the most recent announcements.

Since W7ASC will be closed until the virus has been conquered, the team of volunteers who have kept that popular destination in operation for over 20 years needed some way to hold the team together. CARL’s board of directors has been operating a biweekly net on the 440.375 MHz repeater that is located on South Mountain. Although the core group who checks into this net are W7ASC volunteers, the net welcomes any ham. Tune in at 0900 MST each Wednesday and Saturday. There is no special agenda except the desire to foster the sense of community during these times of physical isolation. **NO MASK REQUIRED!**

In addition, there is a ZOOMNet hosted by Jim N7BBS held at 1000 MST each Saturday. For an invitation, contact Sam N7INV. Anyone, including non-hams, who would like to participate in an open discussion of ham-related topics, are welcome on our ZOOM Net.

W7ASC COAX REPLACEMENT PROJECT

(Contributed by Ron Taylor WA7GIL)

During the week of Jan 11-15, 2021, the Salt River Project, along with one of its communications contractors - High Desert Communications, were able to install nine new coax runs, four new control cables, and three new CAT5 data cables from the W7ASC Ham Shack at the Arizona Science Center up to the highest point on the roof above the High Bay where the station’s antennas are located.

High Desert Communications provided most of the materials and all the construction labor, as well as the high lift rental at

CARL Continued from Previous Column

no charge. SRP provided the project management labor and some additional materials, also at no charge.

The new cables now have a direct route to the roof as they were taken straight to the High Bay (where special exhibits like the recent Victoria dinosaur exhibit are housed) and up the entire 60-foot height of the High Bay wall to the roof. The coordination efforts were especially challenging as the Victoria exhibit was being removed the same week.

At the same time, the contractor removed all the old cables, some of which were brittle and cracking. All of the old cables were more than 20 years old and routed with almost twice the necessary cable length. (Originally, the cables were not routed directly to the antennas. Extensions were later added when the Ham Shack was moved from its previous location on the second floor to its present location in “My Digital World” on the third floor).

The new cabling will provide improved radio service to CARL & W7ASC for many years to come. C.A.R.L. is deeply grateful to SRP and High Desert Communications for this generous gift!!!

HOA ANTENNA RESTRICTIONS – A PR FAILURE

For years, hams have allowed our service to be classified as a hobby. That puts us, for all that the public knows, in the same category as stamp collecting, gardening, star gazing, or knitting, with no perceived value to the community at large. The Federal government is more realistic and accurate. Ham radio is a service. In doubt about that statement? Look again at your license. Right there, in B&W, it reads “Amateur Radio Service.” The definition of a “Hobby” does not fit amateur Radio Service, so why call it that?

Your faithful scribe proposes that we stop referring to our services as a hobby, and we should object to any reference to what we do as anything except the service that it is. Our non-service operation is for purposes of honing our skills and advancing communication technology. When untrained and unregulated persons use the airwaves, there is usually chaos, not service. We need skeptics to look no further than Citizens Band. Allow this to be a talking point when anyone questions the utility of our service.

There are other public services such as volunteer fire fighters and mountain rescue teams that face few restrictions, but they do not require antennas. We need to start by convincing our neighbors that our activities serve their interests. Once we achieve widespread citizen support and respect, we can move on to challenge HOA restrictions.

It is well established and generally understood that nature abhors a vacuum. In the case of ham radio, we have allowed an information vacuum to exist. Into that vacuum, HOA antenna restrictions have festered. It is incumbent on hams to counter that cloud of misinformation with accurate and positive

Continued Next Column

Continued Page 9



For Sale / Wanted



**LOOK!
Great Deals!**

For Sale

Hello everyone. The Chandler Ham Radio Club is back! Sorry we missed a couple of month's update. By way of introduction, I am the new CHRC President, Mike – AA0MR. I am just getting up to speed and looking forward to an exciting and productive 2021. Our membership is growing and we hope to have a lot more going on this year and beyond.

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 9:00 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 March the presentation will be from Ed Fong of Ed's Antennas. I know that I am looking forward to that. Please join us if you can.

Our Thursday evening net continues at 9:00 PM. It is on 443.050 MHz, + offset with a PL tone of 100. Thanks to MARCA for the use of their repeater 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 10:00 AM on the first Saturday of the month? Check our website for registration.

With spring coming soon, we are beginning to "warm up" (a journalistic pun) to the idea of periodic visits to local parks to do some operating and visiting with our fellow Hams. Watch our website or this newsletter for coming events.

Mike-AA0MR
President CHRC



CARL Continued from Page 8

information. That effort cannot be left to a committee, but every ham must put a shoulder to the wheel and work at it at every opportunity.

We do want to recognize Steve WB4ZSC who now shares the spotlight as a coauthor of these newsletters on alternating months. Thanks Steve!

As usual, comments, contributions, or criticisms are always welcome.

73 de W4CIH Jean
480-664-7535 joljean@yahoo.com

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.





New Executive - and a transition!

After a little arm-twisting (just kidding, he said it was an honor) we have filled the VP spot. Rick Tejera K7TEJ is taking on that role. Rick is a longtime club member who's been a director before. Rick's move left an empty director spot, and we're delighted to have Robert Lutes join us in that capacity. Robert's been an outside contact, and now he's taking on a leadership role for the club. Thanks to both Rick and Robert!

Looking for a place to sit?

Have we got a chair for you! A committee chair, that is! If you're interested in what the club's doing for training/education or club activities, we can use a few good hams - and you're one of them! Talk to Charlie before or after the meeting to let him know you're interested.

Hamfest deferred

After reviewing the possibilities for this year, the board has decided that the most prudent thing is to move the hamfest to early in January 2022. Provisionally we've penciled in January 15 but that's subject to availability and may change. We'll see you then - bring your stuff!

TBARC and the law

We recently had occasion to talk to the police. Regrettably, it wasn't for a public service event - instead, we discovered that our storage locker had been burgled. Thieves cut off our lock and made off with some of the equipment - thankfully not all of it. Insurance should cover most of the loss, and we have a new, stronger lock. We're also looking at other ways to improve our security. If you see a link radio on the market at an unexpectedly low price, please let us know.

March Meeting

Our meetings are still virtual for now - but we're counting down the days (and more importantly, the vaccinations) until we can meet in person again. The March meeting will be a Zoom presentation by Rick K7TEJ about APRS. The login URL and details are on the TBARC website, w7tbc.org. See you at the meeting!

Andrew Cornwall KF7CCC
kf7ccc@arrl.net



As anticipated during this time of Covid-19 virus, a small group, only six participants, attended the February 11 meeting of the Arizona Amateur Radio Club in person. However, six others were on via Echolink, so several members enjoyed the presentation on solar cycles and sunspots that have such an impact on how well the ionosphere works to let us talk long distances. The new cycle 25 has just begun, so radio propagation should be improving. This program was recently presented at Contest University by Carl, K9LA.

Several items of business included the following:

The April hamfest at DeVry will be planned for the fall of 2021.

\$100 will be given by the AARC to the American Red Cross.

An honorary membership will be given to Bill Martin, AI0D, who has participated in over 1,000 test sessions.

ARCA will give \$100 to each ARCA club.

ARCA honors Rosie, KG7QWR, as Ham of the Year.

ARCA honors Young Ham of the Year, Annika, KE7JOY.

Officers Elected:

President – Gary Hamman, K7GH

Vice President – Steve Tolnai, W7WSV

Secretary - OPEN

Treasurer – K7JJT, Bob Hodges transitioning to K7RGG, Reinhard Geissler

Activities Manager – Lori Cripps WA7EDI

73,
Lori Cripps, WA7EDI



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.

March Test Sessions

Mar 2nd - 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

Mar 6th - CHRC Laurel VE Team -- 10:00 AM

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

Mar 6th, 13th, 20th, 27th - 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

Mar 6th - K7ARC VE Team -- 9:00 AM

American Red Cross, 4747 N 22nd St, Phoenix
Contact - Brandi Bridges 530.541.0760
No Walk-Ins / Register or Call Ahead

Mar 8th - Radio Society of Tucson -- 7:00 PM

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

Mar 10th - 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

Mar 16th - 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

Mar 20th - Hualapai ARC -- 10:00 AM

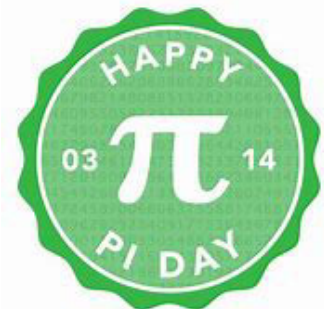
3571 E Lum Ave, Kingman

Mar 20th - West Valley Electronic Club -- 1:00 PM

The Shack, 11115 W Nevada Ave (111th & Nevada), Youngtown
Bring FRN, pencil & pen, and \$15.00
Contact - David Morrill 623.680.5011
No Walk-Ins / Register or Call Ahead / Limited Seating

Mar 27th - 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





Hello All,

The February SARC meeting had the most outstanding program I have ever seen at any HAMFEST. It was given by Paul KD7KDO on SMITH charts and the uses of VNA's (NANOVNA) and related software (SIMSMITH). If you have the opportunity again, PLEASE do not miss it. I am noted for being very critical so if I say it was great, IT WAS!

For a second edition, a similar program could be on the phase measurement capability of VNA's with phase matching capabilities and applications such as filters, antennas, feedlines, amplifiers, etc.

I was really excited about that program. I am really impressed with the programs that our Board has provided for the club.

On a sadder note, we have lost W7EMU Dreux Jacques to COVID-19 in mid-January. His brother Gerry (KE7GYM) also has it, but is recovering. The same is true with Attila Revesz (W7AMR). We want and pray for the best for both.

The sunspot activity seems to be improving with the higher bands starting to open up.

I would encourage other HAMS to join the SARC and join the club to access the great meetings.

73's
Paul W7EFQ

We are headed in the right direction. The bands are improving even on just an occasional basis, our annual Tucson snowfall seems to have occurred, and the vaccine for the pandemic seems to be giving everyone some optimism about the future. Although the first half of this year still seems questionable, there is some optimism building about face-to-face meetings in the second half. Nine months before the event, we are already planning to have a November Hamfest, however, we will have to see what restrictions we may face regarding these kinds of gatherings as we get closer to midyear.

Thanks to Jim, W5ZIT, for reporting propagation on our Sunday evening net. His reports give us all reason for optimism that the future looks bright on HF.

Our digital VHF/UHF operations are going along very well. Thanks to the entire Repeater Committee for their hard work and their ability to challenge every potential problem before it occurs. Every day there seems to be someone new joining the C4FM network in the local area. Our Sunday evening C4FM net is also becoming quite popular. We routinely have many check-ins and the informative traffic flow is picking up.

Special thanks to David-AK2L and Logan KE7AZ for putting their heads together to figure out the Groupspaces solution. Many thanks for your efforts. The new solution seems ideal.

Even during these times of the pandemic our meetings continue to attract much of our membership. We have scheduled zoom meetings every month and have very educational speakers. Beginning in February we will resume our raffle which is quite sophisticated using some software to allow users to purchase tickets and another app to draw a winner.

As always, we welcome new members to join.

73!
Steve – W1SR

ADAW

SARC CONSTANTS:

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

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



ADAW





KARC Continued from Previous Column



KJ7GYH Bill Turley sitting in the Radio Operators seat.



A better look of the Radio Room.

Howdy to you all from the Kachina Amateur Radio Club!

Malachite March is here and we have been enjoying the prolonged sunsets, as the days lengthen out. Why malachite? It is a greenish gemstone used in jewelry, such as bolo ties and wristwatch tips, bracelets, etc., and Arizona is one place in which it is found. It makes for a beautiful polished stone and like the green in that stone, we are seeing our green grass growing underneath the sleepy, winter brown grass all around.

While we can get, and hope for, more snow up here, we do begin to anticipate Springtime. Everyone has spent so much more time indoors due to health concerns and the weather. People are looking forward to their plans for the upcoming planting and growing season, antenna and radio equipment improvements/experiments, 4-H projects, cleaning and rebuilding projects and trips of all kinds. Add in a healthy infusion of corny jokes, just to make people smile and maybe get not only a chuckle out of someone, but a good old-fashioned, downright of a horse spasm, bashaw of laughter! That right there made you smile, didn't it?

We made a showing up here for Winter Field Day 2021. One report that we received was from W7RJB Randy Beecroft. He and KJ7GYH Bill Turley, worked the Winter Field Day together this year. They operated as a 1H AZ Station and made 107 Contacts. Bill made most of the Contacts while Randy logged the data in the N3PFJ Winter Field Day Logging Software. One of their Contacts was indeed, N3PFJ Scott in Wisconsin. In all of the years that Randy has been using this software, this is the first time that he has been able to make a Contact with N3PFJ Scott. It's a cool thing to achieve, making contact with the person that developed the logging software you use! Bill and Randy had a great day and enjoyed that quality friendship time together, operating the radio station. Most all of their Contacts were made on 20m, 40m and 80m. Randy got up a few times through the night and added some more Contacts to the Log. He said he's not a Contester, but that he does enjoy Summer Field Day and Winter Field Day. The rules were changed a little to allow for the COVID 19 Pandemic parameters, which made operating from home a nice change.

Our February Club Meeting was held On the Air. KJ7GYH Bill Turley gave a presentation on the differences between Grounding & Bonding. He gave some great explanations on these two subjects. Thanks Bill!

On February 6th, an Amateur Radio Licensing Test Session was held at the Taylor Fire Station. We thank them for their service to the community. Here are the Results:

Yanjuan Walters	KJ7UDC	Technician and General
Rustin Reed	KJ7UDD	Technician
Aaron Ruud	KJ7UDE	Technician and General
Christopher Corker	KJ7UDF	Technician
Andrew Keech	KJ7SKU	General
Guy Walters	K7KGW	Extra

Congratulations to the ones that received their new Ham Ticket, and to those two who upgraded so they can expand their Radio frontier! Good Job!

Other doings around and in our hills, pines, junipers, oaks, petrified wood, and rocks, is that N7QVU Jerry Wyatt and W7RJB Randy Beecroft have worked to set it up for us to do Packet Radio up here, another great way for communication. It will be way cool and interesting to try it out, thanks guys!



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

The Arizona Red Cross Communications Club works to meet the communication needs of Red Cross disaster responders in Arizona. We encourage our members to train and prepare to support EmComm needs that may arise as a result of wildfires, floods, storms or other emergencies. Several of our members work to sharpen their HF and digital skills by testing and practicing on Thursday mornings. They also take part in the weekly SATERN net on Saturday mornings.

We are preparing for another nationwide Red Cross Winlink exercise on May 8th, World Red Cross Day. All amateur operators are invited to take part. The very popular “Winlink Thursdays” are a monthly exercise taking place on the second Thursday of the month where we present new information to help prepare for the upcoming spring drill. In February we covered adding attachments like an Excel spreadsheet to a Winlink message. The next Winlink Thursday is on March 11th. You can receive more information and announcements by sending an email to main+subscribe@ARC-EmComm-Training.groups.io and request to be added to the mailing list.

There are now three Winlink gateways in the Phoenix metro area. We have added a Winlink gateway in the Biltmore area on 441.30. You can use packet Winlink or VARA-FM to pass traffic via K7ARC-10. This is a great addition for anyone looking to use Winlink in the valley of the sun.

Our K7ARC VE Team offers monthly VE sessions on the first Saturday of each month. Candidates needing to test for a new or upgraded license class may register online by visiting www.k7arc.org and clicking on “VE Testing Sign Up” on the left of the screen. Here are some reminders for candidates looking to test:

- Wearing a face mask is required at our test sessions.
- If you have a fever or feel ill, then please reschedule your test session.
- Please arrive approximately 15 minutes before your scheduled session and bring your driver’s license or other legal ID.
- Visit the website to register or if you need to cancel or reschedule your appointment.

With much regret, we have to once again postpone our annual hamfest at DeVry. After consulting with our members

ARCCC Continued from Previous Column

and our friends and co-sponsors at the Arizona Amateur Radio Club, we have concluded that it is best to cancel our April hamfest and hope for an opportunity to reschedule when conditions permit us to assemble more safely.

As vaccine supply increases and additional appointments are opening, more Arizonans are getting vaccinated. We still need to mask-up and take other precautions, even if we have been vaccinated. Let’s all work together to bring an end to this pandemic and get back to the fun stuff that we have been missing this past year. Until next month, keep safe and stay healthy!

ADAW



KARC Continued from Page 13

Also, W7AZY Jim Mortensen and W7RJB Randy have been experimenting with a different style of antenna at their homes. Whether you call it electric fence tape or polywire, it is a new adventure to try and enjoy, however, that ever-present wind did have its say in the matter. After they got their antennas made of this polywire put up, the winds blew that night and some of the legs of their antennas came loose. So like an unwound Maypole, they had to wait for the wind to lay low before they could retrieve the loose ends and secure them again. They have really had some good Contacts using this style of antenna. Success on the new endeavor! A testament to the fact that this hobby has so many possibilities for your personal use and expansion of knowledge and usefulness. Rock on rattling those airwaves!

Hats off to you all, and not because a gust of wind just blew them off! Keep bending the Airwaves.

Take care and be well.
Tara KI7KLJ

Continued Next Column



The Yavapai Amateur Radio Club, like many others, continues to operate with COVID-19 restrictions in place. Our regular monthly club meeting have 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. So far, event sponsors have been cautious, but more events are anticipated. One of the largest is the Whiskey Row Marathon, which has been scheduled for October 9th. They are coming back!

We continue to conduct license testing sessions using a staggered time and social distance arrangement. Doing this, we can accommodate 18 candidates. The February 6, 2021 session tested 14 candidates. All passed and we now have 12 new Technicians and two Generals. Congratulations to all. Our next session will be on April 3, 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 change 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. Details of this and several other nets can be found on our website.

ARISS Project



Continued Next Column



Maricopa Amateur Radio Association is happy to announce that COPAFEST 21 will be held on Saturday, October 30th at the Ak-Chin Entertainment Center front parking lot. For information on the event and prizes, check out the COPAFEST.COM website. Winter Field day was held at Pinal Park with a good turnout.

Our regular first Saturday of the month meetings have been postponed due to the availability of our regular meeting place. Check our website, Copahams.org for an update on the meeting location and time.

Stay safe!

Bob Howard W8RH

President - Maricopa Amateur Radio Association



YARC Continued from Previous Column

YARC is ramping up our involvement in the ARISS project for the local students to have a QSO with the International Space Station sometime this year. A project overview by David K1AN and Heather W8GEM can be viewed on our website www.w7yrc.org. There are seven Prescott area schools involved and over 4000 students. This year-long project involves much more than the actual radio contact with the International Space Station. There are classes and student projects involving radio, technology and space that are outlined in the overview noted above.

There was a window set for early March. However, the project is now in the delay mode because of COVID-19. The delay provides more opportunities for amateur radio and the club members to share information, share knowledge and expertise and help shape the future paths of our youth.

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. We are an ARRL Special Service club. The designation reflects our commitment to public and community service. 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.

While we can't do everything we normally do, we can BE RADIO ACTIVE !



President's Corner

– by Steve, KB7KWK –

Hello everyone. Here I am again over here in the corner. I am proud to be back in this corner and more proud to be your club President once again after not running in 2020 and running for President of the Arizona Mesh Organization instead. I, along with a few other people, decided to form that club and incorporate. Therefore, we needed to have Board members over there. I also needed a break after being President of SuperARC* from 2008-2019.

I am now the Vice President of Arizona Mesh Organization and again your President of this awesome club. I am happy to be back. Vice President Brian Betz, W7JET, and I have some changes for this year that we think everyone will like. We plan on adding more content to our social media including live YouTube videos. These videos could be anything radio or non-radio related. It should be a lot of fun. Brian also has a lot of really cool programs coming up including build projects that will not be your same old ¼ wave antenna.

Some other changes we have made this year include how the club Zoom meetings will be operated. All general club meetings will be open meetings starting one hour before the meeting to one hour after. I did this to give people a chance to log in, chat and get to know each other or just catch up. Like we used to do the same when we could meet in person. It looks like it will be a while before we can do that again so I thought this would be the next best thing.

I will also try to shorten the business half of the meeting as best I can to give more social time to our members as well as more time for our programs.

Also, the club net will have a new feel to it as net control will now call on all Board members and Officers at the beginning of the net. He will also call on committee chairs, including Membership, Tech, Website, Communications, Net Control, HamFest, News Letter, Mesh Networking, Activities, and Field Day. If you are one of these people, please try to join the net every Wednesday.

Some other ideas that Brian and I are considering for this year include possibly installing a remote repeater or a voter machine somewhere out in the Apache Junction area to help fill in the dead zone to the repeaters. There may also be a change to how Echolink will operate while using it with AllStar Link connected to the club repeaters. This would open the

Superstition Continued from Previous Column

repeater up to not only Echolink, but to the AllStar Link system world wide.

I hope with what the club has been doing, and with what we plan in the future, we can keep members coming back for years to come as well as bring in new members to one of the best and biggest clubs in Arizona.

73 for now. – Steve

* "SuperARC" is this club's adopted short name. We have used "SupARC" in the ARCA repeater directory due to space limitations. "SARC" is used to refer to the club in Scottsdale. – WB7C

Jane Allen, WB7FDF 1917 – 2020, 102.5 Years, SK

Jane Allen first joined the club some 40 years ago, possibly before 1980 with her first husband, an active ham, now SK. After his passing, she became more active in her own right and opened her Apache Junction home to the club for Field Day. We operated from her ham shack with a triband beam, and from her garage with an acre for the antenna farm. Jane also provided homemade baked goods for our enjoyment.

Jane served on the Board many years and was elected President for a year. She also remarried. Her new husband gave her the current name, but was not a ham.

Jane moved from her acreage and into an independent living apartment with her 2-meter rig and an antenna. She was active on the Down Under Net and the Weather Net on the Wildflower Mountain repeater until she was having too much trouble hearing voices on the radio. In September 2019, at 101 years of age, she moved into an assisted living apartment. I last spoke with her on the phone in May 2020 at 102 ½. She used a CapTel caption phone in order to be able to understand her callers. She kept her Apache Junction phone number, so it was the one that I could always remember.

Jane's call stood for "WB7 Feisty Darn Female." – Larry – WB7C

Next Club Meeting is Tuesday, March 16, 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 Publication Article Submission Deadlines:

For this ADAW column, please submit by 3rd of this month for next month. Publishes around the 20th of the month.

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

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

Continued Next Column

Continued Page 17



Due to the ongoing situation with COVID-19, the March meeting again will be held virtually using Zoom. The meeting will be Thursday night, March 4th, starting at 7:00 p.m. You can begin checking in at 6:30 p.m. and visit informally with other club members on Zoom until the meeting starts. Please turn off your computer camera and microphone when 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.

Craig, K9CT, will be joining our Zoom meeting and will present to us "Station Tour at K9CT and a Peek at 2021 Enhancements" about his fabulous contest station. Craig will do the presentation live as he is hoping that our members will have some questions as he presents. If you want a preview of that station, see <http://www.k9ct.us/>. Craig was first licensed in 1967 as WN9TXL, then WA9TXL in the same year and became an Extra Class licensee in 1971. He has held the K9CT call sign since 1976. He has achieved DXCC Mixed, CW, and Phone Honor Rolls. Craig is a Life Member of ARRL and a member of the Maxim Society, CWops, NIDXA, and A1 Operator Club. He is a Board Member of the NCDXF and Treasurer of CWops. He was the President of the Society of Midwest Contesters 2014-2019 and serves on the ARRL Contest Advisory Committee.

The February program was "ET3AA Ethiopia DXpedition" by Ken Claerboat, K4ZW. He described trips to Ethiopia and setting up at the Addis Ababa University station with the help of and mentoring several of the students, building and repairing antennas, and even getting new furniture for the ham shack. Ken has allowed us to save his program to YouTube at this link: <https://youtu.be/TOUx7nkWHsM>.

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, and related subjects ready for 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 for details. See you on Zoom for the March meeting.

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



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.



Daylight Saving Time Begins March 14th

Superstition Continued from Page 16

Superstition ARC Repeaters

- 147.120 MHz (+) 162.2 Hz - Linked to 449.600 (-)
- 449.600 MHz (-) 100.0 Hz - Linked to 147.120 (+)
- 448.275 MHz (-) 100.0 Hz - Fusion
- KB7KWK-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.



History corner – A few interesting facts about the ARA

* October 19, 1967 Arizona Repeater Association incorporates and begins holding their meetings on the Second Tuesday of each month at 7:30 PM in the basement of the First Federal Building at 2002 Camelback Road in Phoenix.

* February 18, 1968 ARA members installed a 2M antenna on the KOOL tower on South Mountain to support a new repeater installation under the call sign WA7CEM. Frequencies to be used were 146.94 / 146.34. The tower is located at 33.334°N 112.062°W at a height above average terrain of 1,654 ft. Several of the KOOL engineers were Hams.

* February 1969 ARA meeting conducted a transmitter hunt with 20 mobiles participating. Dave Cunningham, W7BEP, won with the shortest mileage and time. Dave was the winner of the Motorola “Handi-Talkie” first prize.

* February 1997 Jim Hoff reported that the Mt. Ord 147.36 repeater having a reduced range due to weather (ice/wind) damage to the repeater’s antenna.

* On December 15, 2006, the United States Federal Communications Commission (FCC) issued a Report and Order eliminating all Morse code testing requirements for all American Amateur Radio License applicants, which took effect February 23, 2007.

ARA Site Profile – Shaw Butte

Shaw Butte site profile courtesy of Site Manager Cole Cunningham, AA7RD

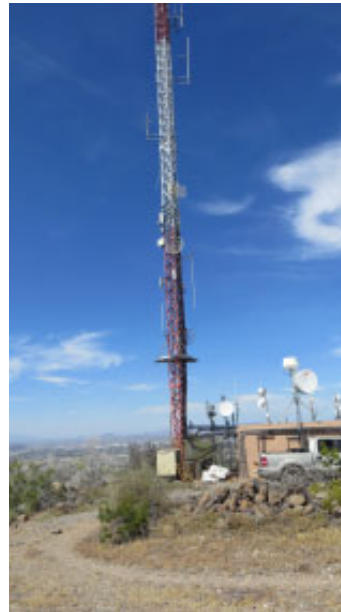
ARA has had a presence on Shaw Butte since around the time of its incorporation in 1967.

Site: The site is located at approximately 15th Avenue and Cactus Road at the base of the 360-foot tall tower and antenna. It was part of a purchase of 617 acres of land by John M. Bennett from the U.S. Government in 1894. It has passed through many owners since then. There are two buildings on the site and ARA occupies a small room in the larger building of approximately 6’ x 10’.

The original site was east of the present radio station building and was a small metal garden shed and a 40-foot guyed tower. The ARA had commercial power on our lot and let the radio station folks use it for their construction. They also used our tower for a cable raceway from their tower to the building. In exchange the ARA got a space in their building, power and access to their tower. The radio was a Hartley W10Q modified Micor. Later it was bought by the ARA and moved

ARA Continued from Previous Column

out to Smith Peak and John Braden, K7LKL / KP4DGB, integrated a TVS501 and custom electronics to control two links into the MICOR housing. This system later became the first portable repeater. It was all contained in a 48-inch rack cabinet.



Access: A road from the parking lot on Central Avenue south of Thunderbird Road winds up the mountains parallel to Thunderbird Road to the site. It is very rough and rocky in places and is gated and locked. It is part of the Phoenix park department trail system.

Antennas: The antennas are located on the site building and on the tower. The tower is 280 feet tall with an 80-foot broadcast antenna on top of that. The 147.24 antenna is near the top of the tower at

260 feet. Others are spaced down the tower to about the 60-foot level.

Equipment: Eight radios make up four repeaters, two links, one UHF APRS digipeater, and one control radio. Most radios are Motorola Micor mobile radios that are over 40 years old but highly reliable. The repeater transmitter power is 20 watts and the links are 10 watts. There is an autopatch shared between the 147.24, 224.90, and 449.525 repeaters. The radios are all controlled by one Link Communications RLC-3 Repeater Controller which allows all the radios to be interconnected as required.

Power redundancy is provided by the latest augmentation that replaced a string of wet batteries / charger. A new samlexpower 12V 50A charger with an AGM 325Ah battery weighing 400# supports the site equipment. The new battery should give the site over 48 hours of life on battery power with nominal use.



Continued Next Column



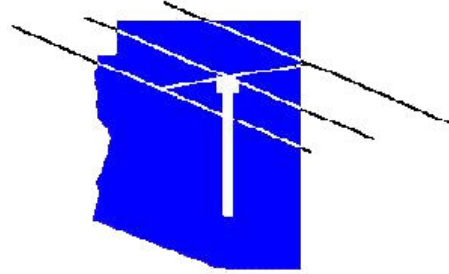
No Reports Received

AMO *Arizona Mesh Organization*

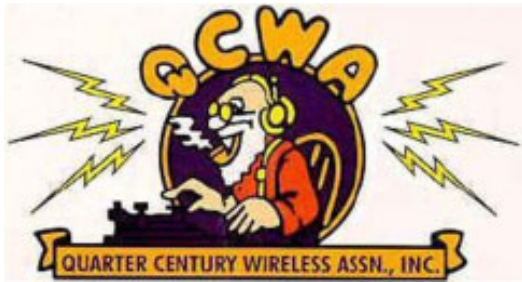
The annual MMRG Membership picnic is still scheduled for May 8, 2021, depending on the COVID 19 virus of course.

MMRG wishes to send out a special thanks to the family of Ray Tyrell, N6MY, who passed away last year. They generously donated some of Ray's older radio equipment, miscellaneous parts, and antennas. Special thanks to Ray's son-in-law, who is now N6MY, for his help in getting this together and helping me load it in my truck.

Bob Sitterley, K7POF



MARCA INC.



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



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This device has not been approved by the F.C.C.



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