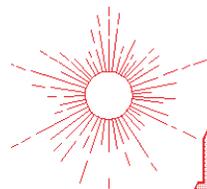


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 46, No 7

July 2021

CLUB MEETING SCHEDULE

SARC

Jul 7th - 7:00 PM
On Line

AARC

Jul 8th - 7:00 PM
American Red Cross/Echolink

AzRCCC

Jul 13th - 7:00 PM
Via Microsoft Teams

WVARC

Jul 5th - 7:00 PM
Via Zoom

SuperstitionARC

Jul 20th - 7:00 PM
Via Zoom

CHRC

Jul 10th - 9:00 AM
Veterans Oasis Park Edu Ctr

ANSR

Jul 15th - 7:30 PM
via GoToMeeting

KARC

Jul 13th - 6:30 PM
New Hope Christian Fellowship

OVARC

Jul 16th - 7:00 PM
Ascension Lutheran Church

AMO

Jul 8th - 7:00 PM
Charles K Luster Bldg

YARC

Jul 1st - 7:00 PM
Via Zoom

TBARC

Jul 15th - 6:30 PM
Via Zoom - See Website

ATN (VOAR)

Postponed
www.whereby.com/atn1

QCWA-AZ Chapter

TBD
Various

CADXA

Jul 1st - 7:00 PM
via Zoom

ARA

Aug 26th - 7:30 PM
Electronically

SunLifeARC

Every Monday - 10:00 AM
Via Zoom

CARL

TBD
Check Web Site

MARCA

Jul 20th - 6:30 PM
via Zoom

MARA

Postponed

MMRG

See Web Site

ADAW Member Clubs

ARIZONA AMATEUR RADIO CLUB

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

President	Gary Hamman	K7GH	602.996.8148
Vice President	Steve Tolnai	W7WSV	480.390.4446
Secretary	Open		
Treasurer	Bob Hodges	K7JJT	602.375.9982
Activities Mgr	Lori Cripps	WA7EDI	602.955.7517
Membership	Bob Hodges	K7JJT	602.375.9982

AARC c/o Bob Hodges, K7JJT, 15214 N 7th Place, Phoenix, AZ 85022. DUES: \$15.00/YR, Prorated (\$18.00 Family, \$9.00 Student), MEMBERSHIP YEAR BEGINS FEB. 1.

SCOTTSDALE AMATEUR RADIO CLUB, INC.

The Scottsdale Amateur Radio Club meets the **FIRST WEDNESDAY** of each month at 7:00 p.m. in Room 8 at the new Scottsdale Senior Center located at 1700 N Granite Reef Road (west side of Granite Reef Rd., 50 yards north of McDowell Rd. Parking on site) in Scottsdale. The club also holds a net every Tuesday night at 7:00 p.m. on the 147.78/.18 repeater.

President	James Wasson	N7ELL	n7ell@scottsdalearc.org
Vice President	Ray Vasquez	K4RMV	k4rmv@scottsdalearc.org
Secretary	Mike Childers	K7URK	k7urk@scottsdalearc.org
Treasurer	Douglas Mitchell	W7ADD	w7add@scottsdalearc.org
Past President	Paul Finell	W7EFQ	w7efq@scottsdalearc.org
Board Members	Gene Geller	K0VN	
At-Large	David Yee	N7AJR	
	Bill Kouchis	N9EIV	
	Jim Dye	AG7AU	
	Paul Finell	W7EFQ	
	Chris Schweiger	NE7EE	
	Bruce Harmsen	KA9EYX	

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

ARIZONA NEAR SPACE RESEARCH

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

President	Stephen Thomas	KE7TLS	iamgadget1@yahoo.com
Vice President	Clayton Jacobs	KJ6QJS	
Secretary	Steve Miller	W6SDM	
Treasurer	Bill McLean	K7WWM	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	K7BUD	
	Ken Rasback	KK7KEN	
	Tom Raczykowski	N7MMC	
	Sonja Hazlett	WB7CWW	

Web Site: <http://www.k7mrg.org>. DUES: \$20.00 per year, due prior to July 1. MEMBERSHIP YEAR - July 1 - June 30.

KACHINA AMATEUR RADIO CLUB

The Kachina Amateur Radio Club meets the **SECOND TUESDAY** of each month at 6:30 PM at New Hope Christian Fellowship, 989 Cheney Ranch Loop (US260 & Cheney Ranch) in Show Low.

President	Jim Mortensen	W7AZY	
Vice President	Bill Turley	KJ7GYH	
Secretary	Marie Mortensen	N7SKS	
Treasurer	Dennis Wilkes	W7DRW	928.739.4700

Mailing Address: Kachina Amateur Radio Club, P O Box 2996, Show Low, AZ 85902. Email: kachinainfo@drwilx.com Testing Info: White Mountain V.E. Team: VEtesting@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.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	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.cadx.org.



YAVAPAI AMATEUR RADIO CLUB

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

President	John Snedden	KT7P	president@w7yrc.org
Vice-President	Mike Reid	WU7V	vice_president@w7yrc.org
Secretary	Tim Norton	K7PVY	secretary@w7yrc.org
Treasurer	Sam Prather	K7SCP	treasurer@w7yrc.org
Past President	Bill Noe	WG7W	
Board Members	Dave Erlach	W7VSX	rocketdog@dslextreme.com
	Mike Schnell	NC7X	ka9cid@gmail.com
	John Laing	K7PRS	k7prsextra@gmail.com
	Ray Kolman	KI7COM	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 7:00 p.m. via ZOOM. Check the web site at www.tucsonhamradio.org for dates.

President	Steve Wood	W1SR	w1sr@arrl.net
Vice-President	David Beauchesne	AK2L	ak2l@arrl.net
Secretary	Logan Zintsmaster	KE7AZ	lrahnz@garlic.com
Treasurer	Hanna Eckert	KG7TPD	haneck@aol.com
Board Members	Fred Bresani	W2HZ	w2hz@verizon.net

DUES: \$25.00/year (Household members living at same address \$15.00 each additional). To join or for additional information, visit website at <http://www.tucsonhamradio.org/>.

CHANDLER HAM RADIO CLUB

The Chandler HAM Radio Club (call sign N7CHN) meets the **SECOND SATURDAY** of each month at 9:00 AM. Starting June 12th, club meetings will be held in person in the "Jackrabbit" room at the Veterans Oasis Park Education Building at the NE corner of Chandler Heights and Lindsey Roads. You can still join via Zoom. Visitors are welcome. Check the web site at chandlerhams.org for dates and presentation topics of club meeting. Weekly net is held every Thursday at 8:00 PM on 443.050+ PL100.

President	Michael Reed	AA0MR	pres@chandlerhams.org
Vice President	Norm Fasoletos	K7NWF	vp@chandlerhams.org
Secretary	Mary Stephen	AE6Q	sec@chandlerhams.org
Treasurer	Byon Garrabrant	N6BG	treas@chandlerhams.org

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

ADAW Member Clubs

CENTER FOR AMATEUR RADIO LEARNING

The Center for Amateur Radio Learning is a hands-on amateur radio station, W7ASC, located within the Arizona Science Center at 600 E. Washington, Phoenix. Hours of operation are the same as the Arizona Science Center (subject to availability of volunteers.) The station is located on the third floor of the Science Center, in the "My Digital World" gallery. Board meetings are held the last month of each quarter at the AZ Science Center. An annual meeting for all volunteers is held the **THIRD SATURDAY** of January. Watch ADAW for details.

President	Jack Landon	KD7ROB	480.759.5195
Vice President	Jim Felkey	N7BBS	480.966.7084
Sec./Scheduling	Sam Marshall	N7INV	602.291.0992
Treasurer	Karen McConaghy	NO7D	602.799.7338
Station Engineer	Ron Taylor	WA7GIL	602.390.5335
Webmaster	Allyson Lee	KI7LGD	w7asc.webmaster@gmail.com

Board Members:

Jean Jolkovski	W4CIH	ADAW, Publicity
Tom Salt	AD7PM	At Large
John O'Neal	K7JP	Teacher Packets
Bob Burleson	KG7QJ	Trustee/President Emeritus
Robert Faerber	W9AQ	Log Book
Scott Gillins	W2KP	At Large

Direct Phone: 602.716.2082 Web Site: <http://www.w7asc.org>
For information: Email to carl@w7asc.org or call Jack, KD7ROB at 480.759.5195.

AMATEUR TELEVISION NETWORK

The Amateur Television Network (ATN) promotes video operation on linked repeaters and mesh networks. Business meetings are in January and July. Monthly social meetings are postponed due to the pandemic. Join us online at www.whereby.com/atn1 on Sundays at 7:00 PM AZ time and Tuesdays at 8:30 PM AZ time for our ATV Nets. It's a lot of fun!

If you can, check in with RF on ATV, FM or DMR...

ATV Repeater Inputs: 434 MHz AM/DVB-T and 2441.5 MHz FM

ATV Repeater Outputs: Phoenix - 1253.25 and 5910 MHz,

Mesa - 421.25 and 1289.25 MHz, Tucson - 1277.25 MHz

FM Repeater Outputs: Phoenix - 448.400 MHz PL 100.0,

Mesa - 445.175 MHz PL 100.0, Tucson - 445.225 MHz PL 103.5

DMR Talk Groups: 9410 "ATV Talk" and 31024 "ATN"

We also stream 24x7 on www.youtube.com/amateurtelevisionnetwork and on YouTube at W7ATN-Arizona Live and W7ATN-Mesa Live.

President	Ed Olague	K5OLA	602.885.7725
Vice President	Rod Fritz	WB9KMO	480.322.5149
Sec./Treasurer	Lee Weitzel	K0CCU	602.439.4840
Repeater Trustee	Kevin Jacobson	AD7OI	602.694.0851
Webmaster	Roland Hoffman	KC6JPG	562.577.1381

ATN-AZ, 4134 W. Danbury Dr. Glendale, AZ 85308. Full membership dues are \$75 annually. Affiliate membership is free. Website: www.atn-tv.org. Email: wb9kmo@gmail.com

WEST VALLEY AMATEUR RADIO CLUB

The West Valley Amateur Radio Club, an Arizona 501(c)(3) non-profit corporation, has been providing emergency communications since 1961. Meetings are the **FIRST MONDAY** of each month at 7:00 PM at Shepherd of the Desert Lutheran Church, 11025 N 111th Avenue in Sun City. The board meets on the third Tuesday of the month at 1:00 PM at Lou's Tivoli Gardens, 12535 W Bell Rd in Surprise. A weekly breakfast is held on Thursdays at Lou's Tivoli Gardens, 12535 W Bell Rd at 7:00 AM. Club nets are held on 147.300 (tone 162.2) at 9:00 AM daily and Monday - Thursday at 8:00 PM. Please check our website (below) for other events and information.

President	Danny Hoerr	KM4HFT
Vice-President	Bill Ciccone	KA2KHW
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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MARCAEDITOR		
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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**



AMATEUR RADIO SERVICE DEMONSTRATION STATION

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

As I write this, the Harkin’s Ham Shack remains closed due to COVID-19 concerns but the process to reopen has begun. Arizona Science Center is moving into the next phase of their exit from COVID restrictions and we are included. By the time you read this, it is safe to say that C.A.R.L. is back in the shack seven days a week, greeting live visitors face to face, at a respectable distance of course.

Meanwhile, 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.

SOSUME!

As an amateur writer on the side, I’m a big fan of catchy (sappy?) headers for chapters and major sections. If you don’t know what sosume means, you are not alone. I just now made it up, continuing in the long history of amateur radio short hand born of the days CW was our only mode and each letter sent was carefully considered for brevity of keying. Sosume, pronounced so-sue-me, is my response to the flagrant violation of U.S. and international trademark law. Hams aren’t the only guilty ones here; everybody uses “google” generically for any type of online search, “zoom” for web-based video conferencing, and I’ll even throw in “kleenex” for any brand of facial tissue and (for you old hams) “frigidaire” for any refrigerator. If you represent any of these besmirched corporate entities, sosume!

Scanning the club reports in the June ADAW, several evolving trends stood out as evidence of our RTN (return-to-normal) in our amateur radio activities, while hanging onto some new tricks that we old dogs have learned while hunkered

CARL Continued from Previous Column

down for COVID. Several clubs will return to F2F (face-to-face-) meetings but continue to welcome ZOOM attendees. FD (ARRL Trademark?) will look a whole lot different from last year: more operators, more public, and maybe more “shrimp on the barbie.” C.A.R.L. definitely hopes to be back live at ASC on FD as that event traditionally draws many hams to enjoy FD and ASC at the same time, perhaps for free. We also get to spread out on every floor of the center with table topics and demonstrations, which help get our message out to the crowds while maintaining social distancing.

On our most recent C.A.R.L. radio net, the question of the day dealt with presentation methods, including several trademarked products I won’t mention. Sosume! As each participant answered the question of the day, you could almost hear the gears turning in their minds as, PC (post-COVID), we have begun to consider what changes we must make to reach our audience in the safest and most efficient method possible. The clear winner appears to be a tactile approach augmented by on-demand or looping video (in today’s world, a picture is worth 100 KB). Amateur radio is a lot of things to the public, but our public image is a solo operator clutching a key or microphone surrounded by radio equipment. Of course, at ASC, we have a lot of youngsters visiting and we go to great length to dispel their belief they just couldn’t afford the equipment to get started.

So, if I am not in federal court defending my lack of respect for trademark law when you read this, welcome back!

73, GUD CU F2F
de WB4ZSC Steve
vyix99@yahoo.com
480.570.1041

ADAW



Continued Next Column

Hamfest Calendar

Hamfest Calendar Continued from Previous Column

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

25 September 2021 - **RST Tucson Fall Hamfest** - hosted by the Radio Society of Tucson 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.

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

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

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

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

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

ADAW

Continued Next Column

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.

July Test Sessions

Jul 3rd - 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

Jul 3rd - Arizona ARC -- 10:00 AM

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

Jul 7th - 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

Jul 6th - Oro Valley ARC -- 6:00 PM

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

Jul 10th - NOMADS -- 9:00 AM

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

Jul 12th - Radio Society of Tucson -- 7:00 PM

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

Jul 17th - Hualapai ARC -- 10:00 AM

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

Jul 17th - West Valley Electronic Club -- 9:00 AM

The Shack, 11115 W Nevada Ave (11th & Nevada), Youngtown
Bring FRN, pencil & pen, and \$15.00
Contact - David Morrill 623.680.5011
No Walk-Ins / Register or Call Ahead / Limited Seating

Jul 20th - 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

Jul 21st - Thunderbird ARC -- 6:00 PM

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

Jul 26th - PARC -- 7:00 AM

Courtyard by Marriott, 600 Clubhouse Dr, Page
Contact - Collin Pike 256.294.1803
No Walk-Ins/Register or Call Ahead

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

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





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.

Howdy to all from the Kachina Amateur Radio Club!

We are jumping into July up here! Jumping quickly to find a shady spot, or find that cool, refreshing, sweetened just right, large size, so cold there's drops of condensation on the glass, of genuine, homemade lemonade! Aahhh! Refreshing!

We've had an overnight low of 60 degrees F. with a daytime high of 108 degrees F. That's pretty toasty for us up here. You folks down in elevation from us, we're feeling some of your discomfort! For those who choose to still try dry farming waiting on nature to provide in a timely manner, it's a tough time right now. A lot of green is popping up in peoples' small farm gardens, just have to keep up on the watering more than usual with the heat evaporating it at a seemingly accelerated rate. The apples, peaches, sweet peas, potatoes and sweet potatoes are still coming along nicely. So are the grasshoppers!

All of this talk of heat sure drives a soul inside to do some long overdue DXing. Ham Radio is cool all right, especially talking on it as you sit in an air-conditioned room, now that's cool! Our monthly club meeting was held on June 8th. W7RAP Rick Paquette gave a presentation on what Ham Radio can do, and from the report that was received, he did a fine job of it! Thank you, Rick for your time and sharing your knowledge! It's always good to see everyone at the meetings.

Our 2021 Summer Field Day was held at Woodland Lake in Pinetop. We'll be reporting on that in the next newsletter. It's a great time to learn new things as there are people operating in CW mode, digital, and the HF. A lot is learned and enjoyed and the food is great!

In other news, one of our newer members, new to the club as well as to the Ham Radio world getting her Technician license recently, KJ7WXV Rebelle Anderson, was able to provide assistance to a motorist that had just been in a single vehicle accident. It was in a mountainous area where cell phone service wasn't. He seemed okay. He was up and around and moving. The vehicle had rolled, but was upright. One other vehicle had stopped just before we did, kind of a blind curve, they were telling her they had it, but really, they were all in shock at what had just happened. She said she was a Ham Radio Operator and could call for more help. Then they stopped for a moment, took notice of the information she just told them, and welcomed it. Contact was made to a station that answered the call for anybody listening. Steven Williamson W7WIL from Hereford, Az. answered the call. He was given



KARC Continued from Previous Column

the location and general information to pass on to emergency services. Thank you, Steven for answering my call, KI7KLJ! We needed to move from the area because it was in a bad spot, but the information was passed along. The elk, deer and cattle can pop up anywhere in those mountains. We don't know what caused the problem, but was there to help. That young man was mighty blessed! So, Rebelle, good job and thanks for your service! The true essence of Ham Radio in action!

That's about it for us up here, just keeping our radios tuned, on, listening and batteries charged. Trying to beat the heat, smoke and dehydration. It can keep plants, animals, and people alike mighty busy.

Everyone take care, be well and be kind,
Tara KI7KLJ

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

There is no doubt summer is upon us. As this is written, Phoenix temperatures are above 115 degrees and all the experts call for us to stay above 110 for at least the next week, perhaps longer. The high country is not immune to extreme weather and the severe drought conditions combined with high temps and low humidity have brought destructive wildfires across Arizona. Over a dozen homes were destroyed in Bagdad and the Telegraph and Mescal fires have forced evacuations of several rural communities.

Our radio team is able to provide additional support to the many Red Cross operations that have stood up in the wake of these fires. In addition to our EmComm training, several of our members serve in logistics, planning, damage assessment and other supporting roles as needed. Some of us have been moving shelter and other emergency supplies into those areas that have been impacted by fires, while others assist with monitoring and mapping fires to provide situational awareness to our disaster management teams. While sheltering and feeding roles play a large part in every relief operation, there is always a large supporting cast working behind the scenes to ensure individuals and families will have a safe place to stay if they have been displaced by any type of natural or man-made emergency.

If you would like to find out more about how the Red Cross helps Arizonans every day, or want to learn about volunteer opportunities, you can visit www.redcross.org. And if you want to know more about the Arizona Red Cross Communications Club, you can check out our club website at www.k7arc.org.

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ADAW



Recently due to mobility concerns and other health issues, the Williams's, Mike KC7QKS and Peggy KD7AWU, have had to move to an assisted living facility. We will all miss them on the Tuesday MMRG net. Mike and Peggy have been long time members of MMRG as well as both were board members for many years. They also were at almost all MMRG gatherings until recent years when their ability to drive any distance became a problem. Mike and Peggy good luck in your new home.

At the last MMRG membership picnic we gained several new members, they are as follows:

- | | |
|--------|--------------------------------------|
| KJ7TSP | Kyle Reavis of Prescott, AZ |
| KG7SDY | Stephen Smith of Prescott Valley, AZ |
| WK7ED | ED Meyer of Dewey, AZ |
| KE7NM | Bill Bowers of Dewey, AZ |
| N6CRG | Dave Heywood of Prescott Valley, AZ |
| KT7JLU | Katie Napp of Chino Valley, AZ |

73 Bob K7POF



Summer in Arizona!



For Sale / Wanted

Welcome all to summer in the Valley of the Sun. We have begun in-person club meetings for the first time in over a year! The regular club meeting is held the second Saturday of the month at 9AM. The meeting location is the Education Center at Veterans Oasis Park at the intersection of Chandler Heights and Lindsey in Chandler. This is a welcome change for all. You will still be able to join via Zoom. There is a link to the meetings on our website; chandlerhams.org. After the regular meeting, a presentation of interest to Hams will take place. Recent topics include solar power and Yaesu fusion radio.

Our Thursday evening net continues at 8PM. It is located on 443.050 MHz, + offset, and with a PL tone of 100. Thanks to MARCA for the use of their repeater, located on South Mountain. Gary – KI7PBR is normally the net control and Steve - KJ7UKA serves as the alternate. Both do a great job. Please ‘check in’ and see what it is all about.

Our new website continues to improve with a great new look. You will find links to our meetings and the calendar gives other events as well. Please check it out!

VE testing continues on a limited basis at the Tri-City Baptist Church in Chandler at 10AM on the first Saturday of the month. Check our website for registration. Contact information is also given in this newsletter and on the ARRL website. Slots are booked out a couple of months until we can get a larger room, but cancellations do occur.

Mike – AA0MR
President CHRC



**LOOK!
Great Deals!**

For Sale

For Sale - "The Dominator" 6 meter, 5/8 wave vertical antenna. Made like a tank in Italy by SIRIO. Is in perfect condition in Tucson. \$100.00

Contact Richard Bruns, K7VQ at d_brunz27@yahoo.com

11.0/13.5 KW 120/240 V Predator Generator

Looks and runs like new. Electric start with 12V battery and charger. Purchased 8/3/16, has 37 hours total run time. Comes with Manual, complete maintenance log, 90' 50-A cable, and dual 6' loading ramps. \$1800.00 Contact: Dave West K9JKN at WestDL@aol.com or 480.641.1480.

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

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.



Saturday, July 10 – Organ Stop Pizza Party – Headcount by July 1st

Get ready for Organ Stop Pizza this July!

The club has reserved Organ Stop Pizza for the annual Pizza Party on Saturday, July 10, 2021.

The doors will open at 11:45 AM. Music will play from 12:00 noon until about 1:15 PM. We will have speakers and award presentations from 1:15 till 2:00 PM closing.

The cost is \$9.25 per person (cash only), which includes all the pizza and salad you can eat. Water is available and soft drinks can be purchased.

This event is open to club members and invited guests.

Please RSVP before July 1st to Brian, W7JET at VicePresident@SuperstitionARC.org and tell him your group size. We must give a headcount to the restaurant on July 1st.

We Have a Chairman-in-Training for 2022 SuperFest Committee!

Now in his fourth year, John Wolven, KG7NSP, will serve as chairman for 2021. Matt ChurchillK7YEG, is Chairman-In-Training. He will take over in 2022.

The SuperFest Committee meets on the Third Thursday of the month through November via ZOOM. Please consider sitting in on the committee meetings to get a feel for the job. Please email the Chairman@SuperstitionSuperFest.org for the link to get connected.

– Information from John Wolven, KG7NSP

Shop at Amazon? Please consider using Smile.Amazon.com

Please select the Superstition ARC as your charity and Amazon will donate at no cost to you, to the club. It's one-half of one percent of your purchases, but it adds up! We can pay for most of our Stone Castle repeater site expenses from what Amazon provides.

President's Corner

– by Steve, KB7KWK

Hello all, I hope everyone is doing well. It looks like the COVID epidemic is finally starting to go away. I was hoping that we would get our meeting location back at the City of Mesa Charles K. Luster building, but that does not look likely in the near future. I will look around to see if we can find another place to hold meetings for a while. Our members are wanting to meet again face to face and I too would like to meet all you

Continued Next Column

Superstition Continued from Previous Column

new members of this great club.

That being said, we will be getting together at our annual Organ Stop Pizza event on July 10th. This is a great social event for the club and we always have most of the club there. Check the club calendar for dates and times of all club events.

The next event coming up soon is Field Day. If you want to get out of the June summer heat, you could drive up North to Lost Eden and hang out with the group, hop on a radio, and make some contacts. The club will have radio equipment up there so you do not even need to bring a radio with you.

Our Vice President Brian, W7JET has been doing a great job bringing interesting programs to the club meetings. When you see Brian or hear him on the radio, give him a big thank you. It is not easy bringing good Ham radio programs to a meeting. Brian has programs ready to go for every meeting this year. Thank you Brian, we appreciate it.

I also want to give a big a big thanks to Dave, K7AV for putting together the club newsletter each month. Dave has been doing this for the club for years and I don't think he gets enough credit for doing that for us. Dave is also the Tuesday morning trivia net control operator and always has great trivia for the group. When you hear Dave, give him a huge thank you for all he does.

I hope to see all of you up at Lost Eden for Field Day. 73 for now.

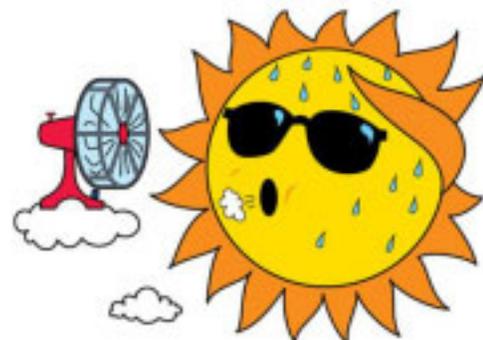
Club publication Article Submission deadlines (revised):

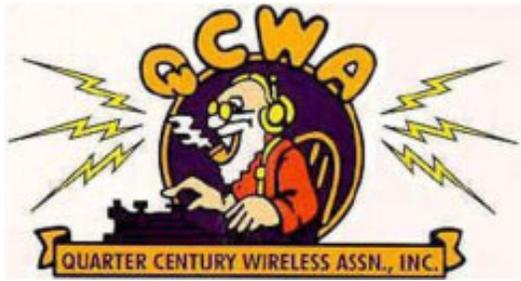
ADAW: Please submit information to this column by the 5th of this month, for next month's issue, to Editor@us60.us ADAW will publish later this month.

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

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

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CHAPTER 16

BARRY M. GOLDWATER ARIZONA CHAPTER

Our membership is up to 28 as of the end of May. Amateurs in Arizona who have been licensed for 25 or more years are invited to join the QCWA.

Tom and Carl are working hard to revitalize the Barry M Goldwater chapter here in Arizona. We are reseating in-person meetings in various parts of the state, but don't have any set dates yet. Currently we have a weekly on-air roundtable on Sunday mornings at 0730 MST. We are hoping that 40 meters will work for everyone because the antennas are smaller and easier for people in small lots to put up a dipole. Check the website to get the latest frequency and exact start time. Please chat up membership at your local club meetings and encourage people to join. Our meetings are fun and are not so frequent that they interfere with other activities.

We now have an email list server so members can post notices to all members with a single email message.

If you have web experience, we can use an experienced Webmaster. Tom and Carl are in Tucson, and they are looking for members in other parts of Arizona to set up quarterly meetings.

Catch you on the air.

President: Tom Fagan, K7DF, president@azqcwa.org
Secretary/Treasurer/Webmaster: Carl Foster, KB7AZ, treasurer@azqcwa.org.

Website: <http://www.azqcwa.org/>

DUES: \$7.00/year and current national QCWA membership.

Repeat from the June issue. If you've been a ham for 25 + years, consider joining QCWA. ed.



As of this writing, the Arizona Amateur Radio Club is looking forward to our June 25-27 Field Day at Mingus Methodist Church Camp. With the lifting of the COVID restrictions, the camp is open and allowing visitors again. It's a wonderful place to hold a Field Day event and we are excited to be returning.

The Field Day weekend is not only a great amateur radio opportunity, but it is a chance to meet with friends and enjoy the wonderful comradery for which our great hobby is famous. Everyone is welcome to come up and join us.

Charlie Zurenko, N2TFS gave the club an update on the Red Cross's response to the fires burning throughout the state of Arizona. Volunteers have been very busy helping those that have been evacuated or displaced. Several people have lost everything in these fires and help is drastically needed. Our thoughts go out to them.

In that same vein, please be extra careful in our beautiful state. It is so dry right now that even a tiny spark can have devastating consequences. As Smokey the Bear says: "Only YOU can prevent forest fires."

Since our regularly scheduled VE test session would fall on Field Day weekend, we decided to move our June session to the first Saturday of July - July 3rd to be exact. It will be held at the usual time and place - 10:00 AM at the Red Cross Building.

Our next club meeting will be in person on July 8th at the Red Cross Building. We'll have a report about our Field Day operation and the fun we had at the meeting. EchoLink audio will be available for those who cannot attend in person. Connect to W7IO-R (provided Cox cooperates or WA7EDI if it doesn't). Gary will pause frequently for comments from those attending via EchoLink and to announce what presentation slide number we're on.

We have a weekly net too on 147.060 at 7:00 p.m. every Thursday night, except the second Thursday of the month which is meeting night. EchoLink check in is also available for the net. Just connect to W7IO-R (Cox permitting, WA7EDI if not) and join the fun.

Visitors are always welcome to all of our club events. We would enjoy having you with us.

ADAW

ADAW



ARA Continued from Previous Column

Radios – Three modified Motorola Micor radios. There are two linked repeaters operating on 224.680 – 156.7 and 449.625 – 100.0. Auto-patch service is available on both the radios. The third radio is used for control functions or linking to other systems as needed.

Antennas – 70cm Telewave ANT450F6, 1.25 M Hustler G7-220, and Diamond X30A

Power supply - Astron 50RM

Backup - Site is 100% AC without battery backup

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

Site was previously used for Iridium project testing. The cabinet and coax were inherited from the project when it moved out.

April 1998 - Mesa site remains on hold as City of Mesa does not want visible antennas on the building. Equipment is ready to be installed, when problem is resolved.

January 1999 - Mesa equipment is fully operational at the ground level pending completion of the site upgrade by the site manager.

February 1999 - Issues among the site owner, manager, and City of Mesa have been resolved and the site upgrade is moving ahead. Equipment should be installed this year.

March 1999 - Still awaiting site completion. Alternate sites being investigated

December 4, 1999 –Site tour: the site is a bank building at Southern and Alma School.

February 2000 - Building access is finalized. Antennas, mounts and protectors are on order.

July 2000 - Third anniversary of the start of construction of the Mesa site. The radio equipment has been completed and running in test mode for over two years.

August 2000 - Site still under construction

September 20, 2000 - ARA receives approval for immediate installation of the equipment. This has been a three-year process, since the application was submitted. All the equipment for the site, (antennas, mounts, lighting protectors, and hard line connectors have arrived.)

November 2000 - 220 (224.68-) repeater is on the air. UHF is pending installation of the antenna.

December 2000 - Both repeaters are fully operational but not linked. ARA asks for member input on whether to link or not. Repeaters are sharing the phone line for auto-patch.

History corner – A few interesting things in ARA history

History Corner

- July 1982 – ARA @ Sunset Point “TAKE FIVE STAY LIVE” coffee break. Channel 10 on Saturday and Channel 5 on Monday featured news stories on the ARA efforts.

The same weekend, approximately 500,000 people assembled to watch the landing of STS-4 at Edwards Air Force Base in California.

- July 1983 - 44 members of the ARA working a public safety event held at Sunset Point rest area serving refreshments to passing travelers and providing emergency communications. The ARA received donations of \$1,173.07
- July 1988 - ARA members furnished refreshments and emergency communications Friday through Monday 24 hours a day the whole Independence Day weekend @ Sunset Point.

The big problem with travelers was the overheated radiators and bursting hoses.

Communications were kept busy calling for assistance.

A couple stopped for refreshments and noted a car also there that had been stolen from them a year before. The Highway Patrol was called by the ARA and the fellow driving the other car was arrested.

- July 1989 - ARA Public Safety Event uses 7,000 cups supporting the refreshments at Sunset Point. At 2:00 AM, a man runs into the station for an emergency call to DPS that two 30' boulders had rolled down the side of the cliff and were blocking the fast lane.
- July 2000 - ARA board votes to acquire our own domain. Current domain is <http://www.goodnet.com/indirect/www/ara/>
- July 2001 - ARA new domain www.arizonarepeaterassociation.org
- May 2005 - ARA new domain www.w7ara.org

ARA Site Profile

Mesa site profile courtesy of Dennis Campbell, John Braden, and Bill Kouchis

The Mesa Tower (previously named Bank of America building)

Location - Alma School and Southern Avenue Mesa

Latitude/Longitude: 33.392583 / -111.856361

Elevation - 1,566 ft. Height 224' 16 Stories



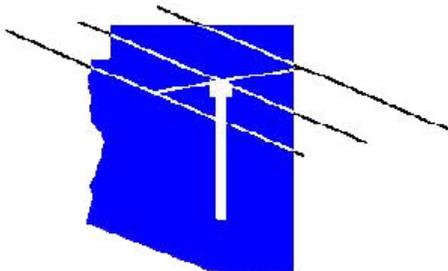
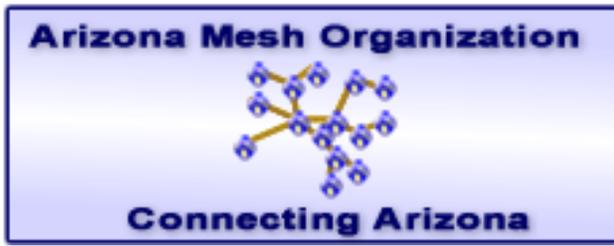
Mesa Site Roof



Mesa Site Cabinet

Continued Next Column

No Reports Received



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SHORT SKIP



SARC CONSTANTS:

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

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





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FTDX101MP | 200W HF/50MHz Transceiver

• Hybrid SDR Configuration • Unparalleled 79 dB Max. Attenuation VC-Tune • New Generation Scope Display 3DSS • ABL (Active Band Indicator) & MPVD (Multi-Purpose VFO Outer Dial) • PC Remote Control Software to Expand the Operating Range • Includes External Power With Matching Front Speaker



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

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



FTM-400XD | 2M/440 Mobile

• Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band



FTDX10 | HF/50MHz 100 W SDR Transceiver

• Narrow Band and Direct Sampling SDR • Down Conversion, 9MHz IF Roofing Filters Produce Excellent Shape Factor • 5" Full-Color Touch Panel w/3D Spectrum Stream • High Speed Auto Antenna Tuner • Microphone Amplifier w/3-Stage Parametric Equalizer • Remote Operation w/optional LAN Unit (SCU-LAN10)



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

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



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

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



FT-991A | HF/VHF/UHF All Mode Transceiver

Real-time Spectrum Scope with Automatic Scope Control • Multi-color waterfall display • State of the art 32-bit Digital Signal Processing System • 3kHz Roofing Filter for enhanced performance • 3.5 Inch Full Color TFT USB Capable • Internal Automatic Antenna Tuner • High Accuracy TCXO



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

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



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

• High Res Full-Color Touch Screen TFT LCD Display • Easy Hands-Free Operation w/Built-in Bluetooth Unit • Built-In High Precision GPS Antenna • 1200/9600bps APRS Data Communications • Simultaneous C4FM/C4FM Standby • Micro SD Card Slot



FT-65R | 144/430 MHz Transceiver

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



FTDX101D | HF + 6M Transceiver

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



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

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



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

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



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- MAIL - All store locations



As we celebrate our nation's independence, let us remember our past leaders who lost their lives battling for the freedom we are enjoying today.

Happy 4th of July from everyone here at your local Ham Radio Outlet.

Now serving you at our Phoenix store:

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