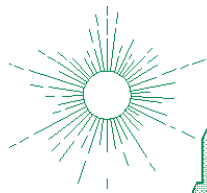


**ADAW**

10498 Monserrate St  
Elk Grove, CA 95757-1765



**ADAW**

**Arizona Desert Aire Waves**

**Vol 48 No 6**

**June 2023**

### **CLUB MEETING SCHEDULE**

**SARC**

Jun 7th - 7:00 PM  
Via Zoom

**AARC**

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

**YARC**

Jun 1st - 7:00 PM  
Prescott Rodeo Grounds

**TBARC**

Jun 15th - 7:00 PM  
Arizona Christian University

**CADXA**

Jun 1st - 7:00 PM  
Bethany Luthern Church

**ARA**

Jun 22nd - 7:30 PM  
Denny's - Tempe & Zoom

**MARCA**

Jun 20th - 6:30 PM  
Denny's - Tempe & Zoom

**MARA**

Jun 3rd - 9:00 AM  
Maricopa Public Library

**AzRCCC**

Jun 13th - 7:00 PM  
American Red Cross/MS Teams

**SuperstitionARC**

Jun 20th - 7:00 PM  
Charles K Luster Bldg

**ANSR**

Jun 15th - 7:30 PM  
via GoToMeeting

**OVARC**

Jun 16th - 7:00 PM  
Pima Comm. College, NW Campus

**ATN (VOAR)**

Postponed  
[www.whereby.com/atn1](http://www.whereby.com/atn1)

**CARL**

TBD  
Arizona Science Center

**WVARC**

Jun 5th - 7:00 PM  
Shepherd of the Desert Lutheran Church/Zoom

**AMO**

Jun 8th - 7:00 PM  
Via Zoom

**CHRC**

Jun 10th - 9:00 AM  
Tri-City Baptist Church

**KARC**

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

**SunLifeARC**

Every Monday - 10:00 AM  
Via Zoom

**QCWA-AZ Chapter**

TBD  
Various

**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](http://www.W7IO.org) for map. Visitors are welcome.

President	Gary Hamman	K7GH	602.996.8148
Vice President	Steve Tolnai	W7WSV	480.390.4446
Secretary	Randy Gault	KJ7RCN	
Treasurer	Bob Hodges	K7JJT	602.375.9982
Activities Mgr	Lori Cripps	WA7EDI	602.955.7517
Membership	Bob Hodges	K7JJT	602.375.9982

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

### SCOTTSDALE AMATEUR RADIO CLUB, INC.

The Scottsdale Amateur Radio Club meets the **FIRST WEDNESDAY** of each month at 6:00 p.m. in Room 8 at the Granite Reef 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	Rick Aldom	W7STS	natecf@gmail.com
Secretary	Bruce Harmsen	KA9EYX	ka9eyx@scottsdalearc.org
Treasurer	Douglas Mitchell	W7ADD	w7add@scottsdalearc.org
Past President	Paul Finell	W7EFQ	w7efq@scottsdalearc.org
Board Members	Jim Dye	AG7AU	
At-Large	Scott Gillins	W2KP	
	Bill Kouchis	N9EIV	
	Ed Nickerson	WU7S	
	Gene Geller	K0VN	

*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](http://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](http://www.ansr.org)*

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

### THUNDERBIRD AMATEUR RADIO CLUB

The Thunderbird Amateur Radio Club meets the **THIRD THURSDAY** of each month at 7:00 p.m. at Arizona Christian University, 59th Avenue and Greenway Road in Glendale. Meeting is in building 3600, Auditorium #1. See the website (<http://w7tbc.org>) for a map and more details.

President	Walter Reinert	NJ8G	president@w7tbc.org
Vice President	Warren Gaspar	KC0GU	vicepresident@w7tbc.org
Secretary	Gene Neigoff	N9ANI	secretary@w7tbc.org
Treasurer	Mike Willmoth	KJ7OPD	treasurer@w7tbc.org
Director 2023	Robert Lutes	N7NO	n7n0@w7tbc.org
Director 2023	Rick Tejera	K7TEJ	k7tej@w7tbc.org
Director 2023-24	Gary McGriff	KK7DCR	kk7dcre@w7tbc.org
Director 2023-24	Bruce Kabana	WB7SRC	wb7src@w7tbc.org
Past President	Charles Loftus	KG7KRN	kg7kmf@w7tbc.org
Station Trustee	Gary Duffield	WK7B	wk7b@w7tbc.org

*For further information about the ThunderBird Amateur Radio Club, visit our website at <http://w7tbc.org>, send an e-mail to: [info@w7tbc.org](mailto: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.*

### MARICOPA AMATEUR RADIO ASSOCIATION

The Maricopa Amateur Radio Association (MARA) meets the **FIRST SATURDAY** of each month at 9:00 a.m. at the Maricopa Public Library - Redwood Room, 18160 N Maya Angelou Drive in Maricopa.

President	Cary Gielniak	K7CFG	president@copahams.org
Vice President	Dave Hagan	KK7FWJ	vicepresident@copahams.org
Secretary	TBD		secretary@copahams.org
Treasurer	George Hogan	K7TGH	treasurer@copahams.org
PIO:	Steve Miller	W6SDM	pio@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](http://www.copahams.org). Mailing address: P O Box 951, Maricopa, AZ 85139*

### CHANDLER HAM RADIO CLUB

The Chandler HAM Radio Club (call sign N7CHN) meets the **SECOND SATURDAY** of each month at 9:00 AM at the Tri-City Baptist Church, Room 140, on the SW corner of Germann & Dobson Roads in Chandler. Our monthly club meetings are held in person. Visitors are welcome. Check the web site at [chandlerhams.org](http://chandlerhams.org) for dates and presentation topics of club meeting. Weekly net is held every Thursday at 8:00 PM on 443.050+ PL100.

President	Dave Hoffman	KJ4RS	pres@chandlerhams.org
Vice President	Debbi Smith	KJ7MIQ	vp@chandlerhams.org
Secretary	Cary Gielniak	K7CFG	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

## BARRY M GOLDWATER, ARIZONA CHAPTER QUARTER CENTURY WIRELESS ASSOCIATION

The Barry M Goldwater Arizona Chapter of the QCWA includes amateurs from all over Arizona who have been licensed for 25 or more years. Meetings are currently held in Phoenix, Prescott, and Tucson. The Arizona Chapter meets on the air every Sunday morning. Please check the website <http://www.azqcwa.org/> for the time and frequency.

President	Tom Fagan	K7DF	president@azqcwa.org
Vice President	Open		
Secretary	Carl Foster	KB7AZ	secretary@azqcwa.org
Treasurer	Carl Foster	KB7AZ	treasurer@azqcwa.org

Web Site: <http://www.azqcwa.org> Email: [info@gmail.com](mailto: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	
	Jerry Roberts	K7BUD	
	Ken Rasback	KK7KEN	
	Tom Raczynski	N7MMC	
	Sonja Hazlett	WB7CWW	
	Larry Dorrell	KG7TTD	
	Ray Kolman	KI7COM	

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

## KACHINA AMATEUR RADIO CLUB

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

President	Kevin Parmenter	KG5Q	480.748.8182
Vice President	Bill Turley	KJ7GYH	923.536.2293
Secretary	Marie Mortensen	N7SKS	928.358.8748
Treasurer	Dennis Wilkes	W7DRW	928.739.4700

Mailing Address: Kachina Amateur Radio Club, P O Box 2996, Show Low, AZ 85902. Email: [kachinainfo@drwilx.com](mailto:kachinainfo@drwilx.com) Testing Info: White Mountain V.E. Team: [VEtesting@cablone.net](mailto:VEtesting@cablone.net). Dues are \$15/yr for individual; \$25/yr for family. Membership is January 1 - December 31. Website: [www.kachinaarc.org](http://www.kachinaarc.org)

## ARIZONA REPEATER ASSOCIATION, INC

The Arizona Repeater Association general meeting is held the **FOURTH THURSDAY** of each month at 7:30 p.m. There are no meetings in July and December. The November meeting is held the Monday before Thanksgiving. Meetings are held at Denny's Restaurant, 1343 W Broadway in Tempe (Southeast corner of Priest Dr and Broadway Rd - <https://www.w7ara.org/mtg/Meetings.aspx>). Visitors are welcome. Come early for food and social time before the meeting starts. For further information about the ARA, including repeaters, site status, and the tech/board meeting, please visit our web site at [www.w7ara.org](http://www.w7ara.org).

President	Dennis Bietry, KE7EJF	ke7ejf@w7ara.net
Vice-President	Brian McCarthy, AK7F	ak7f@w7ara.net
Treasurer	Cole Cunningham, AA7RD	aa7rd@w7ara.net
Secretary	Jim Hoff, N7XXX	n7xxx@w7ara.net

### Board Members:

Dennis Campbell, AE7WU	ae7wu@w7ara.net
Mike Montalvo, KF7MBK	kf7mbk@w7ara.net
Marty Dusenberry, KE7DGP	ke7dgp@w7ara.net
Lance Halle, KW7LH	kw7lh@w7ara.net
Joe Godfrey, AE7JG	ae7jg@w7ara.net
Joe Bakas, KE7WHE	ke7whe@w7ara.net
James Wasson, N7ELL	n7ell@w7ara.net
Bill Jackson, N9VJW	n9vjw@w7ara.net

For Membership Information, contact (Joe Godfrey, AE7JG [membership@w7ara.net](mailto: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: \$20.00/yr. (Jan. 1 through Dec. 31) with a one-time initiation fee of \$10.00. Life and family memberships are available.

## SUPERSTITION AMATEUR RADIO CLUB

The Superstition Amateur Radio Club meets the **THIRD TUESDAY** each month at 7:00 PM: January through November at the Charles K Luster Building, 640 N Mesa Drive, Mesa. VISITORS are Encouraged to attend. Zoom is no longer available.

President	Steve Estes	KB7KWK	kb7kwk@superstitionarc.org
Vice President	Matt Churchill	K7YEG	k7yegt@superstitionarc.org
Secretary	Scott Simeon	KI7KIM	ki7kim@superstitionarc.org
Treasurer	Bryan Hubbard	KF7DPC	kf7dpc@superstitionarc.org
Directors:	Brent Butler	W7FK	w7fk@superstitionarc.org
	Jeff Harris	K2DFE	k2dfe@superstitionarc.org
	Jeff Heinze	N7CCW	n7ccw@superstitionarc.org
	JD Smaylis	KF7VOX	kf7vox@superstitionarc.org
	Doug Brown	AG7KU	ag7ku@superstitionarc.org
	John Jacques	KD8PC	kd8pcu@superstitionarc.org
	John Woven	KG7NSP	kg7nsp@superstitionarc.org

Superstition ARC, 5155 E Eagle Dr #21522, Mesa, AZ 85277.  
Web Sites: [SuperstitionARC.org](http://SuperstitionARC.org). For more information, send email to: [info@superstitionarc.org](mailto:info@superstitionarc.org). The Superstition Amateur Radio Club, Inc. is a 501(c)(3) non-profit corporation.

# ADAW Member Clubs

## MARCA, Inc. / W7MOT

MARCA is an Arizona 501(c)(3) Non-Profit organization. The club call sign in W7MOT. Membership is open to all amateur radio enthusiasts. Meetings are held the **THIRD TUESDAY** of each month at 6:30 p.m. Denny's, 4403 S Rural Rd in Tempe (SE corner of Rural and US60) and 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	Ray Vasquez	K4RMV	
Vice President	Tom Morrissey	KE7TM	
Treasurer	Norm Johnson	AA7OO	480.278.2886
Secretary	Paul Bennett	KD7KDO	
Board Member	David Yee	N7AJR	
Trustee:	Norm Johnson	AA7OO	480.278.2886
Webmaster:	Norm Johnson	AA7OO	480.278.2886

MARCA, Inc., c/o Norm Johnson, 5756 S Wildrose, PO Box 85140, Mesa, Arizona 85212. Membership dues \$25 annually. See our website (<http://w7mot.org>) for more information about meeting schedules, membership, repeaters, library, and club activities.

## CENTRAL ARIZONA DX ASSOCIATION

We are finally back to in-person meetings! And we have a new location! The Central Arizona DX Association meets the **FIRST THURSDAY** each month at 7:00 p.m. at Bethany Lutheran Church, 4300 North 82nd Street in Scottsdale. and we'll try to also share the meeting on Zoom. Most months we have a pretty interesting program or presentation. Visitors always welcome. See [www.cadxa.org/meetings.html](http://www.cadxa.org/meetings.html) for more information. Contact club president for zoom link.

President	John Jolly	N7NWL	wa7nwl@gmail.com
Vice President	Virgil Silhanek	K7VZ	k7vz@arrl.net
Secretary	Temporarily Vacant		
Treasurer	Mike Wright	N7MW	n7mw@aol.com
Immed. Past Pres.	Bill Poole	AA4Q	aa4q@arrl.net
Directors	Ron Smith	N7RD	n7rd@cox.net
At-Large	Steve Protas	K7SP	sprotas@juno.com

CADXA, P.O. Box 24616, Tempe, AZ 85285-4646. Email: [aa4q@arrl.net](mailto:aa4q@arrl.net). Dues are \$25 per year (\$12.50 per additional family member). For more information, DXing resources, and a membership application, visit our website: [www.cadxa.org](http://www.cadxa.org).

## YAVAPAI AMATEUR RADIO CLUB

The Yavapai Amateur Radio Club meets the **FIRST THURSDAY** of every month at 7:00 PM in the Freeman Building at the Prescott Rodeo Grounds located at 840 Rodeo Drive in Prescott (visit web site at [www.w7yrc.org](http://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	Ray Kolman	KI7COM	president@w7yrc.org
Vice-President	Mike Reid	WU7V	vice_president@w7yrc.org
Secretary	Tim Norton	K7PVY	secretary@w7yrc.org
Treasurer	Jane Lerette	K7ZHF	treasurer@w7yrc.org
Past President	Bill Noe	WG7W	
Board Members	Ron Levine		
	Debbie Kolman	KD7COM	
	Mike Schnell	NC7X	ka9cid@gmail.com
	Ron Shimek	W7WWB	
Past President	John Snedden	KT7P	

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

## K7ARC 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	Jerry Quenneville	K1GJQ
Treasurer	Saroj Gilber	KM6BQD
Past President	Frank Engstrom	KB7IQ

Arizona Red Cross Communications Club - K7ARC, 4747 N 22nd Street, Phoenix, AZ 85016. Web Site: [K7ARC.org](http://K7ARC.org) Email: [info@k7arc.org](mailto:info@k7arc.org)

## NORTHERN ARIZONA DX ASSOCIATION

The Northern Arizona DX Association is a small, but very active club in Flagstaff. We hold our monthly meetings the **FIRST TUESDAY** of each month via ZOOM at 6:00 p.m. MST (01:00 UTC). A ZOOM ragchew is held every Wednesday at 9:00 a.m. Visitors are welcome. Please e-mail President Mike at [michael-hanks@hotmail.com](mailto:michael-hanks@hotmail.com) to receive the ZOOM invite and password.

President	Mike Hanks, W7QS	michael-hanks@hotmail.com
Vice-President	Larry Gilbert, WB7EUJ	
Secretary	David Schaubert, NJ0W	
Treasurer	Ken Held, W7SS	

Website: [www.nadxz.com](http://www.nadxz.com). If you are interested in joining us, please read through our Bylaws (available on the website) and attend a club meeting or breakfast. A sponsor will be assigned to get you acquainted with our merry band



## 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 ADAAW for details.

President	Jack Landon	KD7ROB	480.759.5195
Vice-President	Gary Malhoit	N4WU	
Sec./Scheduling	Sam Marshall	N7INV	602.291.0992
Treasurer	Karen McConaghy	NO7D	602.799.7338
Station Engineer	Rusty Kinner	WA8ZID	
Board Members:			
	Tom Salt	AD7PM	At Large
	John O'Neal	K7JP	Teacher Packets
	Jerry Quenneville,	K1GJQ	ARCA Delegate

Direct Phone: 602.716.2082

### 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](http://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](http://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](http://www.atn-tv.org). Email: [wb9kmo@gmail.com](mailto:wb9kmo@gmail.com)

### WEST VALLEY AMATEUR RADIO CLUB

The West Valley Amateur Radio Club, an Arizona 501(c)(3) non-profit corporation, has been providing emergency communications since 1961. Meetings are the **FIRST MONDAY** of each month at 7:00 PM at Shepherd of the Desert Lutheran Church, 11025 N 111th Avenue in Sun City. The board meets on the third Thursday of the month at 10:00 AM as a Zoom meeting. A weekly breakfast is held on Thursdays at Lou's Tivoli Gardens, 12535 W Bell Rd at 7:00 AM. Club nets are held on 147.300 (tone 162.2) at 9:00 AM and at 8:00 PM. Please check our website (<https://westvalleyarc.com>) for other events and information.

President	Bill Ciccone	KA2KHV
Vice-President	Josh Cavender	KE7WIL
Secretary	Lee Ann Ciccone	KJ7AZR
Treasurer	Jeff Rogers	KD7KYE
Board Member:	Bob Runke	AB7RR
	Mike Stevens	K7BLT
	Larry Johnson	WO7C

#### Committees:

Membership	Krissy Larson	KI7GJJ
Technical Advisory	Frosty Oden	NQ1S
Equip. Donations	TBD	
& Sales		

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](mailto:suncitywvarc@gmail.com)

### SUNLIFE AMATEUR RADIO CLUB

The Sunlife Amateur Radio Club is a Snowbird Club and meets **EVERY MONDAY** at 10:00 AM from October through the end of April at the Greenfield Village RV Park, 111 S Green field Road in Mesa. We also gather every Thursday morning at Red Mountain Park.

#### Nets:

20 Meter Net: Monday, Wednesday, & Friday, 14329 Mhz SSB 12:30 p.m. MST/11:30 a.m. MST during daylight savings time.

10 Meter Net: Tuesday & Thursday, 28.329 Mhz, SSB. 02:00 (UTC) is also crossbanded to KD8PC-L and AllStar 51772 on Tuesday nights.

Venture Out: 2 Meter Net: Monday, Wednesday, & Friday, 1:00 p.m., 146.58 MHz FM simplex, 12:30 p.m.

President	Jim Steinmetz, WX7G	steinmetzjb@aol.com
Vice President	Stephen Wagner, W7WHB	w7whb@arrl.net
Secretary	Roy Gager KD7WRC	roygager@mac.com
Treasurer	Cheri Goforth, KD7ZXD	treasurer.sunlifearc@gmail.com

Membership dues are \$10.00/year. If you would like to be a member, visit the website at <https://www.sunlifearc.org/>

# ADAW Member Clubs

## AMO - ARIZONA MESH ORGANIZATION

The Arizona Mesh Organization (AMO) is a 501(c)(3) amateur radio club. Our goals and purpose is to promote and support ARDEN MESH Networks throughout the state of Arizona, to explore new technologies, to promote the education of what amateur radio mesh is, to support and exchange information with mesh users throughout the state, to further the technology of mesh radio itself, to support emergency and public service communications, and (of course) to have fun along the way. AMO's board meets the **FIRST THURSDAY** and club meetings are held the **SECOND THURSDAY** of each month via Zoom. If you would like to attend either of these, contact the President, Michael, KI7LXY at [president@arizonamesh.org](mailto: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	<a href="mailto:president@arizonamesh.org">president@arizonamesh.org</a>
Vice-President	Steve Estes, KB7KWK	<a href="mailto:vicepresident@arizonamesh.org">vicepresident@arizonamesh.org</a>
Treasurer:	Scott Gillins, W2KP	<a href="mailto:treasurer@arizonamesh.org">treasurer@arizonamesh.org</a>
Secretary:	Robert Fridell, N3BZ	<a href="mailto:secretary@arizonamesh.org">secretary@arizonamesh.org</a>
Board of Directors		
	Dale Schmidt, N7QJK	<a href="mailto:n7qjk@arizonamesh.org">n7qjk@arizonamesh.org</a>
	Heidi Brewer, K7ZAE	<a href="mailto:k7zae@arizonamesh.org">k7zae@arizonamesh.org</a>
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	Bob Howard, W8RH	<a href="mailto:w8rh@arizonamesh.org">w8rh@arizonamesh.org</a>
	Rodney Fritz, WB9KMO	<a href="mailto:wb9kmo@arizonamesh.org">wb9kmo@arizonamesh.org</a>

*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](https://arizonamesh.org/amo_membership.shtml)*

## ARIZONA OUTLAWS CONTEST CLUB

The Arizona Outlaws Contest Club ("AOCC") does not hold routine meetings. At least once per year, we hold the AOCC Roundup, a catered event that rotates each year between Phoenix, Tucson, and Prescott. All members have access to an email reflector. Members post comments, questions, and their contest scores. All licensed amateur radio operators interested in amateur radio contesting (also known internationally as "radiosport") are eligible for membership. For more information, see our website, [www.arizonaoutlaws.net](http://www.arizonaoutlaws.net).

President:	Mike Fulcher, KC7V	<a href="mailto:mikekc7v@gmail.com">mikekc7v@gmail.com</a>
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Secretary/Treasurer	Larry Reader, KE2VB	<a href="mailto:larry.ke2vb@gmail.com">larry.ke2vb@gmail.com</a>

*Arizona Outlaws Contest Club, 1099 N Olympic Pl, Tucson, AZ 85737. Dues are \$10 per year. For more information, contesting resources, and a membership application, visit our website: [www.arizonaoutlaws.net](http://www.arizonaoutlaws.net).*



## ORO VALLEY AMATEUR RADIO CLUB

The Oro Valley Amateur Radio Club meets the **THIRD FRIDAY** of each month at 7:00 p.m. at Northwest Campus, Pima Community College, 7600 N Shannon Road in Tucson. (Monthly meetings are live-streamed.) Visitors are welcome. Board Meetings are held at 7:00 p.m. via ZOOM. Check the web site at [www.tucsonhamradio.org](http://www.tucsonhamradio.org) for dates.

President	Steve Wood W1SR	<a href="mailto:w1sr@arrl.net">w1sr@arrl.net</a>
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Board Member	Andreas Proczok W1IXQ	<a href="mailto:teslarocks77@gmail.com">teslarocks77@gmail.com</a>
Board Member	John Behrens K7JWB	<a href="mailto:johnbehrens@comcast.net">johnbehrens@comcast.net</a>

*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/>.*



## THE AMATEUR'S CODE

### ONE

The Amateur is Considerate . . . He never knowingly uses the air in such a way as to lessen the pleasure of others.

### TWO

The Amateur is Loyal . . . He offers his loyalty, encouragement and support to his fellow radio amateurs, his local club and to the American Radio Relay League, through which Amateur Radio is represented.

### THREE

The Amateur is Progressive . . . He keeps his station abreast of science. It is well-built and efficient. His operating practice is above reproach.

### FOUR

The Amateur is Friendly . . . Slow and patient sending when requested, friendly advice and counsel to the beginner, kindly assistance cooperation and consideration for the interests of others; these are marks of the amateur spirit.

### FIVE

The Amateur is Balanced . . . Radio is his hobby. He never allows it to interfere with any of the duties he owes to his home, his job, his school, or his community.

### SIX

The Amateur is Patriotic . . . His knowledge and his station are always ready for the service of his country and his community.

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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 inquiries 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

The Arizona Frequency Coordination Group is searching for a new 70cm coordinator. Brian McCarthy, AK7F has stepped down from the position. After many years of dedicated service to the group and the Amateur Radio community, Brian has decided to "retire" to spend more time with his family and work. A volunteer is being sought to assume his position. Brian promises to be available to support the new coordinator as needed.

The volunteer candidate should be familiar with RF propagation in Arizona, possess some familiarity with Microsoft Excel, be able to soothe hams that "just don't understand," have the time to devote to coordination, and have no strong club affiliation is possible (we don't do politics!). The new coordinator will need an assistant to help with paperwork and periodic updates also.

Email [coordinators@azfreqcoord.org](mailto:coordinators@azfreqcoord.org) with the subject "COORDINATOR VOLUNTEER" if interested.

The Board of Directors of the Maricopa Amateur Radio Association announced the cancellation of Copafest 2023. The group cited lack of manpower and resources available to present the quality of hamfest that they are used to having. The club plans to return in 2024 with an even better event.

Field Day 2023 will take place on June 24th - 25th. The operating event begins at 1800 UTC (11:00 AM) Saturday (the 24<sup>th</sup>) and ends Sunday at 2059 UTC (1:59 PM) or 1759 UTC (10:59 AM) depending upon operating class and when set up began. The object of the contest is to contact as many stations and sections (locations) as possible during the allotted time period.

Clubs generally make plans to hold Field Day events as a group. It might be at a campground, a park, or the club's meeting site. No matter where Field Day is held, it will provide the opportunity to hone your skills as an Amateur Radio Operator, learn from more experienced operators, and enjoy the company of other hams.

Make plans to attend your club's, or another club's, event. You will enjoy it.

73 'til next month,  
Chris, N7PVL







Led by Chuck, KF7U, AOCC has moved our reflector to groups.io. This gives us more features such as attachments. If you are an AOCC member and have not received an invite, reach out to Chuck at [Chuck\\_KF7U@outlook.com](mailto:Chuck_KF7U@outlook.com)

The 7QP contest just finished up. Although band conditions were not great, there was a lot of participation. At the same time, the Indiana and New England QSO parties were also on so there were plenty of stations to work. CQWPXCW will also be history by the time you read this so let's hope we had great conditions as we head into summer. VHF contests will headline June and July with the IARU sandwiched in between them. I will be thinking about the August Roundup and maybe this year we can get enough folks to make it worthwhile to meet again in person. Also, elections are coming up for the next AOCC year. Think about getting involved and helping or nominating someone.

The Potomac Valley Radio Club is pleased to announce they are sponsoring a new club competition for the North American QSO Parties - the NAQP Online Scoreboard Club Challenge (NOCC). This competition is open to all clubs. The only requirement is to post your individual scores on the Contest Online Scoreboard ([contestonlinescore.com](http://contestonlinescore.com)) along with your club affiliation. Cumulative club scores will be tallied for all six NAQP events during 2023 and the winning club will be awarded a plaque.

The NOSCC club competition is not affiliated with the NAQP contests or its sponsors. Full details are in the attached announcement and at <http://pvrc.org/NOCC.html>.

As a reminder, you can find contest dates and links to rules by looking at [www.contestcalendar.com](http://www.contestcalendar.com). You can also check to see what dxpeditions will be on for DX contests at <https://www.ng3k.com/>.

Contest Tip this month – This month it is VHF contesting. 6 meters and 2 meters carry the load in the VHF contests. 432 is the 3rd band for the tri-band entry low power. For those that want more you can add in 1296 and perhaps 222. There are a lot of rovers running around the state that really adds to the activity. There is action on CW and SSB and also a legacy category that does not include digital. These days the bulk of the activity has moved to FT8 particularly on 6m. A simple moxon at 15 feet will work plenty of guys. You don't need a lot of height on 2 or 432 either. Get on and give out some points.

*Continued Next Column*



The Arizona Amateur Radio Club plans to hold its Field Day at the American Red Cross Building. The operating period is from 11:00 AM on June 24 until 11:00 AM on June 25. We welcome any licensed visitors who would like to operate as well as anyone who would like to watch the Field Day operations. It's a great event as we make brief contacts to hundreds of stations all over the US using SSB, CW, and digital modes. Join us. You'll have a great time.

73,  
Lori Cripps, WA7EDI

**ADAW**

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### *AOCC Continued from Previous Column*

Our members include elite contesters who have operated from many DXCC entities around the globe as well as beginners wanting to learn more and who may submit a score of only a few QSOs. We encourage all stations, big or small, to get on and participate in contests and make contacts. There are excellent resources among club members and on our club website for contesting help.

AOCC accomplishments –

Final scores for the 2022 CQWW Contests (CW+SSB) are in. AOCC finished #6 USA in the contest club competition. Nice job!

AOCC finished #10 W/VE in the 2022 ARRL 160m Contest.

AOCC finished #7 (Medium Club) in the 2022 ARRL Sweepstakes (CW+SSB). We had a score of 1,814,800 points from 29 Arizona entries.

The 2023 Visalia DX Convention went very well. There were about 480 attendees and several Arizona guys won major prizes. K7VZ's son won the IC-7300. Lee KY7M took home a Yaesu FTDX10, Jack KN7Y won the Flex 6400 and Larry WO7R won an Icom 7610. There may yet be a 2024 convention so stay tuned.

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

73,  
Mike KC7V

**ADAW**





OVARC has been busy with lots of activities going on before we prepare for summer hibernation.

Of course, the Hamvention is upon us and many will go there to have a full immersion in amateur radio. For those not attending, I have noticed quite a large number of special deals available from a number of vendors to celebrate Hamvention 2023.

Many thanks to Gerry-KK7HTF for organizing the Pima Community College Northwest Campus "Steam Night." Thanks to our members especially Logan-KE7AZ, Andreas-W1IXQ, Don-KA2IYU, Jim-K7OHK, and Bev-WB7BEV for attending and answering questions from attendees. Also, a special thank you to Patrick-WD9EWK for making the trek from his home QTH to demonstrate satellite operations at the event.

A big THANK YOU to Bob-KA7VPR for putting on a fabulous Net Control Station Forum. This virtual presentation was scheduled to help all Net Control Stations, regardless of their location, to be better Net Control Stations in the future. We had over a dozen people log in and there were several perspective Net Control Stations there as well that are now better prepared to learn how to become an excellent Net Control Station. Excellent job Bob and many thanks!

During the April meeting OVARC members approved the latest version of the OVARC bylaws. Many thanks to David-AK2L for keeping this issue front and center. It took several meetings and lots of input to get the language right, but in the end, it was a near unanimous vote to accept the new bylaws.

This past Saturday, May 6th, the club operated the 7QP event from Ann Day Community Park in Tucson. Andreas-W1IXQ organized another spectacular event (Andreas is pictured here).



*Continued Next Column*

## For Sale / Wanted



**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](mailto: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](mailto:WestDL@aol.com) or 480.641.1480.

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: TBD



### OVARC Continued from Previous Column

Thank you Andreas and thank you for selecting an excellent place for this event. There were over 20 members and visitors that attended the event but unfortunately the bands were in rough shape on Saturday morning. Nevertheless, we enjoyed chatting with everyone and learning more about amateur radio and operating out in the field. It was a spectacular day and thanks to everyone that made it and enjoyed the event.

We are looking forward to our annual HAMFEST this fall. The date is Saturday, November 11th, which is also Veteran's Day. We will be at the same place at the same time as we were in previous years so please circle this date on your calendar and plan to join us.

73, Steve-W1SR

## Hamfest Calendar

15 July 2023 - **Flagstaff Hamfest** - hosted by the Northern AZ DX Association will be held at Sinagua Middle School, 3950 E Butler in Flagstaff. Hours are 7:00 AM to 3:00 PM. Admission Donation \$5.00. Students with ID and those 16 years and younger are free. Tailgate spaces - \$10 per space. Tailgate set up 6:00 AM to 7:00 AM. Inside Vendor space \$20 per 10'x10' space. Vendor set up Friday noon to 4:00 PM and Saturday 6:00 AM to 7:00 AM. VE Exams, Seminars, Speakers, ARRL Forum, ARCA Annual Meeting, Repeater Owners Meeting. Talk-In on 146.98(-) 162.2 Pl. No Overnight Parking and no RVs permitted in Tailgate area due to limited space. Sorry, No guns, Drugs, Alcohol, Smoking, Vaping, or Fireworks. Only Service animals are permitted. For more information: Email [President@nadxa.com](mailto:President@nadxa.com). Web Site: [FlagstaffHamfest.org](http://FlagstaffHamfest.org)

16 September 2023 - **Amateur Radio Tailgate Show Low** - will be held at the Show Low Masonic White River Lodge #62, 741 E Whipple Street in Show Low. Hours are 7:00 AM until 12:00 PM. Set up begins at 6:00 AM. Spaces are \$5.00 per 10 x 10 space. Free Admission. VE Testing - Contact Vince at [vetesting@gmail.com](mailto:vetesting@gmail.com) to pre-register. Food & drink available by the Ladies of Masonic Eastern Star. RV Cold Camping available behind the lodge. Talk-in 146.76 P/L 110.9. Email [w8ybm@gmail.com](mailto:w8ybm@gmail.com) for more information.

23 September 2023 - **Tucson Autumn Hamfest** - hosted by the Radio Society of Tucson will be held at Calvary Tucson Church, 8711 E Speedway Blvd in Tucson. Hours are 7:00 AM to 11:00 AM with seller set up starting at 6:00 AM. Free Admission. Seller/Vendor Spaces - \$10/parking space. Morning Snacks by Scout Troop 157 and Pack 705. Talk-in - 145.250 MHz, Tone 156.7 Hz. For more information, visit the web site at <http://www.k7rst.org>.

28 October 2023 - **COPAfest** - hosted by the Maricopa Amateur Radio Association will be held at The Ultrastar at Ak-Chin Circle, 16000 N Maricopa Rd in Maricopa. Hours are 7:00 AM until 1:00 PM. Admission Donation is \$5.00 per person. Spaces are \$10.00 for two parking spaces. Set up begins at 5:00 AM. Balloon Launch, VE Testing, Card Checking, Vendor Exhibits, Seminars, Prizes and more. Many activities available in the Multitainment Center including laser tag, bowling, movies, games, dining and more. Dining and Hotel also available. For information, email [fest@copafest.org](mailto:fest@copafest.org) or visit the website at [www.copafest.org](http://www.copafest.org).

4 November 2023 - **HARKfest Tailgate Hamfest** - hosted by the Hassayampa Amateur Radio Klub will be held at Redeemer Lutheran Church Annex, 470 Rose Lane in Wickenburg. Hours are 8:00 AM to 12:00 Noon. Free Admission. \$5.00 Outside Tailgating - \$10.00 Inside Table. Must pre-register with HARKfest Manager, Duane, KD0KYK: [djgrooms@yahoo.com](mailto:djgrooms@yahoo.com). Main and door prizes. Overnight Full RV hook-up or dry camping available barely 15 minutes up Hwy 89 at North Ranch Escapees RV Park ([northranch.escapeesrvparks.com](http://northranch.escapeesrvparks.com)). For more information and questions, email Duane, KD0KYK at [djgrooms@yahoo.com](mailto:djgrooms@yahoo.com).

11 November 2023 - **Tucson Hamfest** - hosted by the Oro Valley Amateur Radio Club will be held at Marana Middle School, 11285 W Grier Road in Marana. Gates open at 7:00 AM (5:00 AM for sellers). Closes at 1:00 PM. \$5.00 Admission includes a bottle of water. Children under 12 are free with a paid adult. Students are free with any AZ school ID. Seller spaces - \$10.00 per space (includes the seller). Indoor VE session. Pre-registration preferred - email [licensing@tucsonhamradio.org](mailto:licensing@tucsonhamradio.org). ARRL Card Checking, Interesting Seminars, Prizes! Food Truck available for Breakfast and Lunch. Contact [hamfest@tucsonhamradio.org](mailto:hamfest@tucsonhamradio.org) for more information.

2 December 2023 - **Superstition Superfest** - hosted by the Superstition Amateur Radio Club. Tentative. Watch for details.

13 January 2024 - **Thunderbird Hamfest and Electronics Swap Meet** - hosted by the Thunderbird Amateur Radio Club will be held at Haven Church, 5902 W Cactus Rd in Glendale. Hours are 8:00 AM - 12:00 Noon. Admission - \$5.00 each which includes a door prize ticket. Commercial Vendor set up Friday after 5:00 PM and/or Saturday at 6:00 AM. Tailgaters and Clubs set up Saturday after 7:00 AM. Space are \$10.00 for each space used or blocked. Two admissions tickets included with space. Food provided by Queso Good - Quesadilla Truck. See the web site at [tbirdfest.org](http://tbirdfest.org) for more details.

21-27 January 2024 - **Quartzfest** - will be held at the Roadrunner BLM outside of Quartzside. A full week of ham radio activities, seminars, off-road rides, swap meet, and flea market shopping. Check the web site at [www.quartzfest.org](http://www.quartzfest.org) for details.



June 18th

ADAW



## Public Service Calendar

### Maricopa County Emergency Communications Group Events

#### June Club Meeting on the 20th at 7:00 PM

We meet at Charles K Luster Building at 640 North Mesa Drive, Mesa. See full details in our Member Clubs entry on Page 3 of this ADAW.

#### ARRL Field Day on the 23rd 25th of June at Lost Eden

The club will be operating Field Day from Lost Eden (GPS coordinates 34.632111, -111.2529314), in the cool pines of northern Arizona. This is an ideal site the club has been using for several years now with great success. Club members will receive a flyer in their email before the June meeting.

#### New SuperFest Website Forthcoming

The Superstition SuperFest website has been offline this year. In May, the club's Board discussed the issue and made some executive decisions to implement a new SuperFest website, perhaps in a matter of weeks.

There will be a flyer forthcoming as well. I hope to be able to present both the website and flyer in the July issue.

#### May President's Corner

Steve KB7KWK

Hello to all of you and welcome to summer.

I want to thank everyone who came out to the club picnic. It was nice to finally meet some of you in person. We built a lot of antennas and had great conversations. Although it was a little warm, it really was not that bad under the Ramada. We did not all get together for lunch because we got so busy with antenna builds and other projects. Everyone just kind of ate as they went on through the day but we still had a great time.

It was really nice to see a lot of our newest members at the event. With this kind of turn out, we will be sure to have more of these types of events in the future. Please let the activities director know what you liked or disliked about this event. Also let him know what kind of future events you would like to see. A big thank you goes out to Matt, K7YEG for putting this event together.

73 for now and I will catch you on the air.

#### Deadlines to Include Your Input in Our Publications:

We publish this column and the club Communicator newsletter. We welcome your input to both publications.

The Communicator: Please email

[Editor@SuperstitionARC.org](mailto:Editor@SuperstitionARC.org) with your input by May 27th. The Communicator will publish to club members in early June.

This publication: Please email [WB7C@SuperstitionARC.org](mailto:WB7C@SuperstitionARC.org) with your input by June 5th. The July ADAW will publish to club members in late July.

73 Larry Kuck WB7C for SuperARC's part of this ADAW. 11

EVENT	LOCATION	DATE
Flag2GC MTBike Ride	N of Flagstaff to to Grand Canyon	08/05/2023
Mogollon Monster	Rim Country, E. of Pine	09/09/2023
Xterra San Tan Trail Run	San Tan Park	11/05/2023
Xterra Estrella Mtn Trail Run	Estrella Mtn Park	12/17/2023
Xterra White Tank Trail Run	White Tank Park Wadell, AZ	01/14/2024
Xterra McDowell Trail Run	McDowell Mtn Regional Park - Fountain Hills	02/04/2024
Xterra Black Canyon Trail Run	Black Canyon City	03/17/2024

To sign up for an MCECG Public Service Event: [www.mcecg.net](http://www.mcecg.net)

For information, contact Dennis Bietry - KE7EJF at 602.274.3732 - email, [ke7ejf@cox.net](mailto:ke7ejf@cox.net), or contact the Event Coordinator for the event.



#### Superstition ARC Repeaters

Output	CTCSS	Links To	Mode
147.120 MHz +	162.2Hz	449.600*	FM Only
449.600 MHz -	100.0Hz	147.120*	FM Only
448.275 MHz -	100.0Hz	WIRES-X	Fusion

\* Also Links to Echolink Node: **WB7TJD-L**

\* Also Links to AllstarLink Node **52987**

#### Club Nets

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

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

**Mesh Information Net:** Thursdays, 8:00 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

#### SuperARC Merchandise Store

<https://superARC.big3creative.com>

**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.



## License Testing Information

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

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

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

### June Test Sessions

**Jun 3rd** - Chandler Ham Radio Club -- 10:00 AM

Tri-City Baptist Church, 2211 Germann Rd, Chandler  
Bldg D, Room 170

Contact - Byron Garranbrant [ve@chandlerhams.org](mailto:ve@chandlerhams.org)

Walk-Ins Allowed / Registration or Call Ahead

Register at: [chandlerhams.org/testing/](http://chandlerhams.org/testing/)

**Jun 3rd** - Yavapai ARC -- 9:00 AM

Jeep Posse Bldg in Pioneer Park, 1200 Commerce Dr, Prescott

Contact - Donald Bauer 928.775.4690

Pre-Register online: [www.w7yrc.org](http://www.w7yrc.org)

**Jun 3rd** - Kachina ARC -- 9:00 AM

Taylor/Snowflake Fire Dept, 425 Papermill Rd, Taylor

Contact Vincent Cattolica 520.591.4576

**Jun 5th** - WVARC -- 6:00 PM

Shepherd of the Desert Lutheran Church-Walton Hall  
11025 N 111th Ave, Sun City

Contact - David Morrill 623.680.5011

No Walk-Ins / Register or Call Ahead

**Jun 12th** - East Valley VE Group -- 6:00 PM

Charles K Luster Bldg, 640 Mesa Dr, Mesa

Contact - Ray Vasquez 480.696.1581

MUST obtain FRN prior to exam - \$15.00 Exam Fee Cash Only

**Jun 12th** - Radio Society of Tucson -- 7:00 PM

Immanuel Presbyterian Church, Witherspoon Hall

252 E 22nd St, Tucson

Contact - Diane Zimmerman 520.664.5070

**Jun 17th** - Hualapai ARC -- 10:00 AM

VE's Residence, 3571 E Lum Ave, Kingman

Contact - Alyce Ingle 425.231.9173

**Jun 17th** - 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

**Jun 20th** - HARK -- 2:00 PM

Congress, 30736 S Wandering Way, Congress

Contact - Duane Grooms 602.814.9603

No Walk-Ins / Register or Call Ahead

**Jun 20th** - MARCA ARC -- 5:00 PM

Denny's Back Room, 825 S 8th St, Tempe

Contact - Ray Vasquez 480.696.1581

MUST obtain FRN prior to exam - \$15.00 Exam Fee Cash Only

**Jun 21st** - Thunderbird ARC -- 6:00 PM

Northwest Christian School, 16401 N 43rd Ave, Phoenix

Enter Gate 9, Room 423

Contact - Walter Reinert 602.668.7804

No Walk-Ins / Register or Call Ahead

**Jun 24th** - Arizona ARC -- 10:00 AM

American Red Cross, 4747 N 22nd St, Phoenix

Contact - Gary Hamman 602.996.8148

No Walk-Ins / Register or Call Ahead

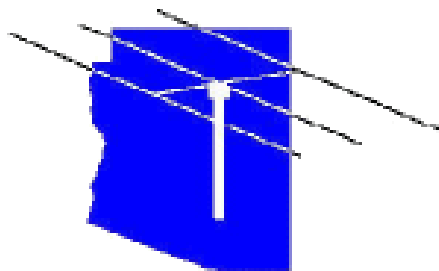
Pre-Register Required by the Thursday before session



June 14th

# Flag Day





**MARCA INC.**

We had originally planned to have an “in-person” meeting in April, but plans changed at the last minute, so it was “Zoom only.” Please be sure to check our website, [w7mot.org](http://w7mot.org) for any last minute updates!

In April, Tom Morrissey, KE7TM, gave us a presentation on Network Analyzers.

Since the deadline for ADAW is about a week before our scheduled meeting, as I type this our May meeting is still in the future, though by the time you get it, it will be in the past. The scheduled speaker for May is “DXing Using Remote Stations” by Ned Stearns, AA7A. Ned always puts together interesting talks, so I’m really looking forward to it.

For June, we’ll have our usual Field Day planning session in lieu of a presentation. We will be participating in the ARRL Field Day as a group. Visitors are welcome to join us at Gentry Fire Tower near Forest Lakes, June 24-25. There’s a map on our website under the “Field Day” tab. Or listen for our call W7MOT during Field Day.

MARCA’s meetings are the third Tuesday of the month, at 6:30 PM MST. We normally meet at Denny’s at 825 S 48th Street, Tempe, 85281.

Technical Committee Chair, Dave Hall, N7ZPY provided the following two paragraphs:

“MARCA has completed the evaluation of all of our repeaters per the FCC requirements using the ARRL calculator and found that all of our 20+ repeaters are in compliance with the RF exposure limits for the general public during normal operation. All of our repeaters are within controlled spaces, but even there, there are none that pose a RF exposure hazard.

“The repeaters that used to be at the Chandler Regional Hospital have been moved to the area of 24th St and Thomas in Phoenix and are back in normal operation.”

If you want to take an exam, please contact Ray Vasquez, K4RMV in advance. Please see [w7mot.org](http://w7mot.org) and look under the “Activities” tab for “License Exams Sessions” for details. We hold exam sessions immediately before our meetings at 5:00 PM.

On a different note, I was very saddened to hear of the passing of Jim Peirce, N7QVW. He did a lot for Amateur Radio in the Valley, including having served as President of the Arizona Repeater Association for several terms, and was heavily involved in public service events until he moved to Pennsylvania. He was one of the founding members of the

*Continued Next Column*



The Kachina Amateur radio club is a 501c3 organization dedicated to furthering the goals of ham radio in the White Mountains and NE Arizona. Our team has licensed and upgraded individuals wishing to obtain or attain a higher class of FCC license. The team also provides educational classes to help individuals prepare for testing. We have a world class VE team who travel around the area providing testing.

Congratulations to our newest hams:

Technicians: Gerald Neild – KK7LXT, Roger Tissaw, Stephen Tillson, Rory Mackie – KK7LYG, David Kaiser, Lisa M. Blair, Torsten F. Wilke, Jason D. Collard – KK7MMR

General: Irene Breinholt - KK7EYR, Gerald O. Neild – KK7LXT

Now that spring has arrived in the White Mountains, we can access some of the repeater sites. We plan to add more sites and capabilities at the Brookbank and finish linking to the other repeaters including our Holbrook site. We could use donations of a monetary nature or 420 MHz link radios or antennas. We thank those who have supported us, and we look forward to talking to those of you who plan to travel to our area. When you are in the area, come to our monthly meeting – for more information see <http://kachinaarc.org/>



**Summer Begins  
June 21st**

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#### ***MARCA Continued from Previous Column***

Maricopa County Emergency Communications Group. Even though he was not a member of MARCA, I know that he will be missed.

Clark Jones, KI7TU



## Membership

<https://www.w7ara.org/rcu/welcome.aspx>

Membership info is available at <https://www.w7ara.org/mbr/Membership.aspx> or send an email to [membership@w7ara.net](mailto:membership@w7ara.net)

## Meetings

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

## Tech Committee

The Tech Committee has restored the White Tanks 441.725 repeater. The problem was isolated to the filter cans for the repeater. They had become misaligned and microphonic. The tech committee consulted with experts and determined due to age it was best to replace them.

The tech committee is awaiting an update on road conditions for both Pinal Peak and Mt Eldon. Once the roads are ready for traffic they will schedule trips to both sites to address open issues.

The Tech committee is always looking for interested members who are experienced or willing to learn about the ARA repeater system. Contact Dennis Campbell [ae7wu@w7ara.net](mailto:ae7wu@w7ara.net) for more information.

## ARA History



James C Pierce, N7QVW  
1961 – 2023  
Silent Key\*

Jim was a member of the Arizona Repeater Association (ARA) for 32 years. He joined the ARA in April 1991 later becoming an ARA Life member. He served on the ARA board

## ARA Continued from Previous Column

for fourteen years. He was first appointed to the board in 1997 serving 1998, 2002, and 2003. After being reelected to the board again in 2004, the board elected Jim as President of the ARA. He served as president until 2013.

In 2017, Jim retired. In 2018, Jim decided to sell his home and move back home to Pennsylvania. At the February 22, 2018 General meeting of the ARA, Jim was presented with a Lifetime Achievement award for his work in the Arizona Amateur Radio Service.

Jim was one of the three founding members of the Maricopa County Emergency Communications Group (MCECG) in 2001. MCECG provides planning, safety, tactical, and logistical support for public events. Jim participated in 225 Public service events under the MCECG umbrella. He was a leading event coordinator. The tactical call sign he used for MCECG public service events was Mobile 51 or Bike 51. Some event coordinators would assign him a different tactical. Jim always joked you could assign him any tactical call, but he would only answer to Mobile 51. His number has been retired, but you may see it listed on some event communication plans as a remembrance.

The Amateur Radio Council of Arizona, ARCA, named Jim Ham of the Year 2002. <http://www.arca-az.org/>

Jim created the History of Arizona Repeater Association - <https://www.w7ara.org/History/>

Jim died Sunday, April 16, 2023, after extended illness, near Millerton, PA.

\*For many years, communication was conducted using Morse code, a series of dots and dashes sent over wire and later by radio. A switch, referred to as a key, was used by an operator to generate these signals. When an operator's life ended, the key became silent. Thus, the term Silent Key or SK designates an operator who is no longer living.

**ARA UPDATE Repeater Frequency lists** - <https://www.w7ara.org/z/Repeaters.aspx>

**ARA UPDATED Repeater Maps** - <https://www.w7ara.org/mbk/>

Currently the 448.875- Repeater on Mt Elden is full time on link with the Intermountain Intertie in Utah. If you are not familiar, the Intertie reaches from Northern Arizona, through Utah into parts of Idaho, Montana, Colorado and Nevada. Currently the Utah Link is only accessible to the Phoenix Metro area through an on-demand link from the Rimlink network of repeaters.

There is a request to extend the full-time coverage from Flagstaff into the Phoenix Metro area by linking the Utah link

*Continued Next Column*

*Continued on Page 15*



TBARC again this year will be operating Field Day from NT7MM's Cabin in Flagstaff AZ. All TBARC members, other hams and friends are welcome. We will be setting up three stations, one each for CW, Digital and Phone. Accommodations are camping, RV's or cabin loft. We will serve three meals on Saturday and two meals on Sunday for a cost of \$45.00 per person. For the menu and more information, or to sign up, visit the [w7tbc.org](http://w7tbc.org) web site.

The TBARC repeaters, 147.040+ PL 162.2 and 446.150- PL 100.0 on The White Tanks, are linked and available for use by all radio amateurs for nets and/or general communications. We also have repeaters on HonorHealth Hospital DV 145.33+ PL 162.2 and HonorHealth JCL Hospital 146.70- PL 162.2. These repeaters are unlinked and are available for all radio amateurs to use. TBARC conducts a weekly net at 7:30 PM Local Time every Tuesday night on the White Tank repeaters.

73,  
Walt NJ8G



**June 24 & 25  
2023**

#### ***ARA Continued from Page 14***

to the existing Northlink system. Northlink is seldom used and, through this proposal, would be full time on-link through Mt Elden into Utah and beyond and remove the Utah traffic from the Rimlink.

For more information on the Utah Intermountain Intertie, visit <https://utahvhfs.org/snowlink.html>

The ARA needs your input. Please take a few minutes to provide your thoughts on the multi state interconnection. Utah Multistate Link Survey - <https://bit.ly/3Inrs70>



#### ***AMATEUR RADIO SERVICE DEMONSTRATION STATION***

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

ASC is open daily, 10:30 a.m. – 4:00 p.m. The ham shack hours are essentially the same, dependent on availability of volunteer staff. You can also learn more about us by searching our W7ASC callsign on [QRZ.com](http://QRZ.com). Our Twitter feed can be accessed at [twitter.com/w7asc\\_arc](https://twitter.com/w7asc_arc). We hope to have our web page back up shortly.

#### **School Field Trip Season**

As I am writing this, the CARL volunteers are in their "busy season." It is getting near the end of the school year and the Arizona Science Center is hosting many visitors from schools throughout Arizona that are on their class field trips. These field trips bring in multiple schools per day with daily totals of often exceeding a thousand visitors lately. As many readers may recall, CARL volunteers facilitate a "Send Your Name in Morse Code" exercise with visitors to W7ASC. We are seeing a surprising amount of awareness of Morse Code with youngsters thanks to "Stranger Things" and other popular youth-oriented series.

#### **Descendants of Samuel F.B. Morse Visits W7ASC**

On Saturday, 22 April 2022, Jerry K1GJQ reported that W7ASC was visited by Samuel Morse's great-great-great-great nephew along with his son Chance. What a special treat!! To make their visit seem like things have "come full circle," Chance sent his name in Morse Code with Jerry during their visit to the Harkins Ham Shack.

If you are interested in sharing your love of amateur radio with our interested & inquisitive visitors at the Arizona Science Center, then perhaps you would like to join the Center for Amateur Radio Learning and volunteer with us at W7ASC. If so, please contact Jack KD7ROB at [jacklandon17@gmail.com](mailto:jacklandon17@gmail.com).

73 de N7INV Sam  
[w7asc.sked@gmail.com](mailto:w7asc.sked@gmail.com)  
602.291.0992

**ADAW**



## No Reports Received

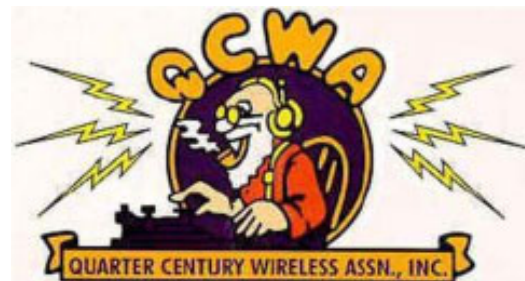


4747 N 22nd St. - Suite 100 - Phoenix, AZ 85016  
VHF – 146.84 MHz – PL 162.2 / UHF – 446.900 MHz – PL 131.8  
Echolink Node #731289 – K7ARC-R



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**SHORT SKIP**



CHAPTER 16

BARRY M. GOLDWATER ARIZONA CHAPTER



### 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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## IC-7851 | HF/50MHz Transceiver

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## IC-705 | HF/50/144/430 MHz All Mode Transceiver

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## IC-2300H | VHF FM Transceiver

• 65W RF Output Power • 4.5W Audio Output • MIL-STD 810 G Specifications • 207 alphanumeric Memory Channels • Built-in CTCSS/DTCS Encode/Decode • DMS



## IC-7300 | HF/50MHz Transceiver

• RF Direct Sampling System • New "IP+" Function • Class Leading RMDR and Phase Noise Characteristics • 15 Discrete Band-Pass Filters • Built-In Automatic Antenna Tuner



## IC-7100 | All Mode Transceiver

• HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions

## IC-V86 | VHF 7W HT

• 7W Output Power Plus New Antenna Provides 1.5 Times More Coverage • More Audio, 1500 mW Audio Output • IP54 & MIL-STD 810C-Rugged Design Against Dust & Water • 19 Hours of Long Lasting Battery Life • 200 Memory Channels, 1 Call Channel & 8 Scan Edges



## IC-7610 | HF/50 MHz All Mode Transceiver

• Large 7-inch color display with high resolution real-time spectrum scope and waterfall • Independent direct sampling receivers capable of receiving two bands/two modes simultaneously



## IC-2730A | VHF/UHF Dual Band Transceiver

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