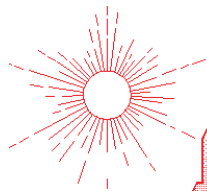


**ADAW**

10498 Monserrate St  
Elk Grove, CA 95757-1765



**December**



**ADAW**

**Arizona Desert Aire Waves**

**Vol 47 No 12 December 2022**

**CLUB MEETING SCHEDULE**

**SARC**

Dec 9th - 6:00 PM  
Eagles Buffet @ Casino AZ

**AARC**

Dec 8th - 12:30 PM  
Papago Park

**YARC**

Dec 1st - 4:30 PM  
Prescott Rodeo Grounds

**TBARC**

Dec 15th - 6:30 PM  
Arizona Christian University

**CADXA**

Dec 9th - 6:00 PM  
Eagles Buffet @ Casino AZ

**ARA**

Jan 26th - 7:30 PM  
Denny's - Tempe & Zoom

**MARCA**

Dec 9th - 6:00 PM  
Eagles Buffet @ Casino AZ

**MARA**

Dec 3rd - 9:00 AM  
Maricopa Public Library

**AzRCCC**

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

**AMO**

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

**SuperstitionARC**

Dec 21st - 6:00 PM  
Golden Coral - Gilbert

**CHRC**

Dec 10th - 12:00 PM  
Old Spaghetti Factory

**ANSR**

Dec 15th - 7:30 PM  
via GoToMeeting

**KARC**

Dec 16th - 6:30 PM  
Veterans of Foreign Wars

**OVARC**

Dec 16th - 7:00 PM  
Mountain View Baptist Church

**SunLifeARC**

Every Monday - 10:00 AM  
Via Zoom

**ATN (VOAR)**

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

**QCWA-AZ Chapter**

TBD  
Various

**CARL**

Jan 21st  
Arizona Science Center

**MMRG**

See Web Site

**WVARC**

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

# 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 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	<a href="mailto:n7ell@scottsdalearc.org">n7ell@scottsdalearc.org</a>
Vice President	David Yee	N7AJR	<a href="mailto:n7ajr@scottsdalearc.org">n7ajr@scottsdalearc.org</a>
Secretary	Bruce Harmsen	KA9EYX	<a href="mailto:ka9eyx@scottsdalearc.org">ka9eyx@scottsdalearc.org</a>
Treasurer	Douglas Mitchell	W7ADD	<a href="mailto:w7add@scottsdalearc.org">w7add@scottsdalearc.org</a>
Past President	Paul Finell	W7EFQ	<a href="mailto:w7efq@scottsdalearc.org">w7efq@scottsdalearc.org</a>
Board Members	Jim Dye	AG7AU	
At-Large	Scott Gillins	W2KP	
	Bill Kouchis	N9EIV	
	Ed Nickerson	WU7S	

*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	<a href="mailto:iangadget1@yahoo.com">iangadget1@yahoo.com</a>
Vice President	Clayton Jacobs,	KJ6QJS	
Secretary	Steve Miller,	W6SDM	
Treasurer	Bill McLean,	K7WWM	<a href="mailto:bmclean@gmail.com">bmclean@gmail.com</a>

*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	Charles Loftus	KG7KRN	<a href="mailto:president@w7tbc.org">president@w7tbc.org</a>
Vice President	Rick Tejera	K7TEJ	<a href="mailto:vicepresident@w7tbc.org">vicepresident@w7tbc.org</a>
Secretary	Andrew Cornwall	KF7CCC	<a href="mailto:secretary@w7tbc.org">secretary@w7tbc.org</a>
Treasurer	Jeff Rogers	KD7PYE	<a href="mailto:treasurer@w7tbc.org">treasurer@w7tbc.org</a>
Directors	Robert Lutes	N7NO	<a href="mailto:n7no@w7tbc.org">n7no@w7tbc.org</a>
	Paul Veltman	WA6OKQ	<a href="mailto:wa6okq@w7tbc.org">wa6okq@w7tbc.org</a>
	Chuck Erickson	K7CAE	<a href="mailto:k7cae@w7tbc.org">k7cae@w7tbc.org</a>
	Robert Fairfield	K7RQN	<a href="mailto:k7rqn@w7tbc.org">k7rqn@w7tbc.org</a>
Past President	Brian McCarthy	AK7F	<a href="mailto:ak7f@w7tbc.org">ak7f@w7tbc.org</a>
Station Trustee	Gary Duffield	WK7B	<a href="mailto:wk7b@w7tbc.org">wk7b@w7tbc.org</a>

*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.*

## 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)*

## MARICOPA AMATEUR RADIO ASSOCIATION

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

President	Bob Howard	W8RH	<a href="mailto:president@copahams.org">president@copahams.org</a>
Vice President	Scott Bushman	WI7Y	<a href="mailto:vicepresident@copahams.org">vicepresident@copahams.org</a>
Secretary	Bob Proctor	N6YPE	<a href="mailto:secretary@copahams.org">secretary@copahams.org</a>
Treasurer	George Hogan	K7TGH	<a href="mailto:treasurer@copahams.org">treasurer@copahams.org</a>
PIO:	Steve Miller	W6SDM	<a href="mailto:pio@copahams.org">pio@copahams.org</a>
Webmaster:	Louis Sandoval	W8LES	<a href="mailto:w8les@copahams.org">w8les@copahams.org</a>

*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*



# 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	
	Butch Merrill	K7JOG	
	Jerry Roberts	KB7CN	
	Ken Rasback	KK7KEN	
	Tom Raczykowski	N7MMC	
	Sonja Hazlett	WB7CWW	
	Larry Dorrell	KG7TTD	

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	Brian McCarthy, AK7F	ak7f@w7ara.net
Vice-President	Dennis Bietry, KE7EJF	ke7ejf@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
Patrick Baldwin KI4NSF	ki4nsf@w7ara.net
James Wasson, N7ELL	n7ell@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: \$18.00/yr. (Jan. 1 through Dec. 31) with a one-time initiation fee of \$10.00. Life and family memberships are available.

## SUPERSTITION AMATEUR RADIO CLUB

The Superstition Amateur Radio Club meets the **THIRD TUESDAY** each month at 7:00 PM: January through November - Zoom and Charles K Luster Building, 640 N Mesa Drive, Mesa. **VISITORS** are Encouraged to attend. If you would like to attend one of our meetings via Zoom, please contact [president@superstitionarc.org](mailto:president@superstitionarc.org) at least 24 hours prior to the meeting for the Zoom link.

President	Steve Estes	KB7KWK	kb7kwk@superstitionarc.org
Vice President	Brian Betz	W7JET	w7jet@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
	Dan Devlieger	KC7MSU	kc7msu@superstitionarc.org
	Bob Thomas	N8ANV	n8anv@superstitionarc.org
	Matt Churchill	K7YEG	k7yeg@superstitionarc.org
	Robert Fridell Jr	N3BZ	n3bz@superstitionarc.org

Superstition ARC, 5155 E Eagle Dr #21522, Mesa, AZ 85277.  
 Web Sites: [SuperstitionARC.org](http://SuperstitionARC.org) and [SuperstitionSuperFest.org](http://SuperstitionSuperFest.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. 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	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 mor information. Contact club president for zoom link.

President	Bill Poole	AA4Q	aa4q@arrl.net
Vice President	Virgil Silhanek	K7VZ	k7vz@arrl.net
Secretary	Eric Schecter	KC7ES	eschecter@gmail.com
Treasurer	Mike Wright	N7MW	n7mw@aol.com
Immed. Past Pres.	Larry Loen	WO7R	lwloen@gmail.com
Directors	Ron Smith	N7RD	
At-Large	John Jolly	N7NWL	wa7nwl@gmail.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 (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](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	John Snedden	KT7P	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		
	Jane Lerette	K7ZHF	
	Ray Kolman	KI7COM	spudsmn@gmail.com
	Mike Schnell	NC7X	ka9cid@gmail.com
	Bill Noe	WG7U	

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)

## ORO VALLEY AMATEUR RADIO CLUB

The Oro Valley Amateur Radio Club meets the **THIRD FRIDAY** of each month at 7:00 p.m. at The Mountain View Church, 3500 W Overton Road in Oro Valley. (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	w1sr@arrl.net
Vice-President	David Beauchesne	AK2L	ak2l@arrl.net
Secretary	Logan Zintsmaster	KE7AZ	lrahnz@garlic.com
Treasurer	Gary Pierce	AE7GP	ae7gp1@gmail.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 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 Geilniak	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

## 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			
Sec./Scheduling	Sam Marshall	N7INV	602.291.0992
Treasurer	Karen McConaghy	NO7D	602.799.7338
Station Engineer	Tom Boza	NE7X	602.499.6379
Board Members:			
	Tom Salt	AD7PM	At Large
	John O'Neal	K7JP	Teacher Packets
	Jerry Quenneville,	K1GJQ	ARCA Delegate
	Rusty Kinner,	WA8ZID	Satellite Ops

*Direct Phone: 602.716.2082 For information: 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](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	Bob Runke	AB7RR
Board Member:	Chris Van Camp	KJ7NOP
	Joe Jacobson	KJ7PUL
	Frosty Oden	NQ1S
	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 both in person and on Zoom at Greenfield Village, 111 S Greenfield Road in Mesa. Please contact Sue Rogers, W7SKH at [happyham7777@gmail.com](mailto: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	Ralph Towers, KA0CET	<a href="mailto:retowers@hotmail.com">retowers@hotmail.com</a>
Vice President	Jim Hood, K5TT	
Secretary	Greg Watkins, WB7VOK	
Treasurer	Cheri Goforth, KD7ZXD	<a href="mailto:treasurer.sunlifearc@gmail.com">treasurer.sunlifearc@gmail.com</a>

*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>
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	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).

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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).*



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The *Arizona Desert Aire Waves* is published monthly and is the official news media of the sponsoring clubs. All news items, articles and inquires should be submitted to each club's editor. Any information and opinions printed herein are those of the contributors and are not necessarily those of the sponsoring clubs. Full permission is granted to quote from this publication providing credit is given to the individual contributor and the ADAW. ALL RIGHTS RESERVED. **Deadline is 10th of the month**

## From the Editor's Desk

## Carol's Christmas QST

Happy Holidays!

It's that time of year when gift shopping kicks into high gear. Christmas lights, trees, songs, and other decorations are all around us as we move toward the end of the year. Holiday parties are taking place and friends and families are gathering to celebrate. What a wonderful time of the year.

If you are still looking for gifts for your "Ham" friends and family (or yourself for that matter), don't miss your last chance to scour the last Arizona hamfest of the year for that extra something. The Superstition Superfest is happening Saturday, December 3<sup>rd</sup> from 7:00 AM until 3:00 PM. The event will be back at Mesa Community College this year and promises to be bigger and better. Plan to attend. You won't be sorry.

The Hamfest Calendar for 2023 is filling up as clubs around the state confirm their plans and dates for their annual events. There is one exception though. The 2023 Yuma Hamfest has been canceled. Sources tell me that the tight group of 15 people who put on the event has lost three members this year, one of which was a founder of the hamfest. To further complicate the situation, the Yuma County Fairgrounds is being torn down and rebuilt. In addition, the rates for the grounds are increasing 20%.

There are plans to work with the new fairgrounds and prices to return in 2024 with a smaller event. There won't be as many RV spaces as the area previously used has been designated a "No Fly" zone for people. Another option being considered for the hamfest is working with city and county to use civil facilities as an alternate location.

The Yuma Hamfest has been the site of the ARRL Southwestern Division Convention for several years. With its cancellation, the 2023 ARRL Southwestern Division Convention is left in limbo. Discussion is currently underway regarding the feasibility of holding the convention with the 2023 Copafest in October at Ak-Chin Casino. More will follow on that as talks progress.

The Dayton Hamvention committee has chosen the theme for the 2023 event - Innovation! There are so many innovations in the Amateur Radio now that the Hamvention team wanted to capture that excitement. Jim Storms, AB8YK is the 2023 Hamvention General Chair and he looks forward to welcoming everyone to the event.

The Dayton Hamvention will be held in Xenia, Ohio at the Green County Fairgrounds. Tickets are available for purchase on-line. For all the information and current updates, visit the web site at hamvention.org.

Wishing you all the love, joy, and happiness of the holidays and a Happy, Healthy New Year.

73,Christine, N7PVL

**ADAW**

'Tis twelve days before Christmas  
And all thru the shack,  
All the hams are a bustling  
To fill Santa's sack.

The club party is over  
The turn out was great,  
The food was terrific  
We ate and we ate.

Then awards were presented  
To the hams of the year,  
To Mark and to Frank  
And we all gave a cheer.

John Hogg was awarded  
For service sublime,  
In producing Desert Air Waves  
Each month right on time.

Vice-President Carl  
Was presented a plaque,  
For all his hard work,  
A pat on the back.

The award of the night  
Was something to see,  
A Texas-sized gavel  
For President Lodi.

Then we all sang some carols  
And Santa came in,  
With toys for the kiddies  
Each child gave a grin.

One year will soon end  
As all of you know,  
Many thanks to the officers  
Who helped our club grow.

So now I will close  
This poem is a fright.  
Merry Christmas to all  
And to all a good night!

Carol Reiley, WB7UZK

SARC - January 1978



### **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.

### **New Members & New Activities at CARL/W7ASC in 2022**

In working on the December column, I am quite excited & thankful to look back on the expanded activities of our club and the improvements that we have made to the Harkins Ham Shack - W7ASC - in 2022. These improvements are thanks in no small part to the infusion of new members this past year to where we are now finding our club’s activity level has grown exponentially.

Thomas NE7X came to CARL in early 2022 and brought a new level of insight into how a club could operate more actively. Using his research and guidance we pursued a pair of grants to improve our operations & W7ASC’s visitor appeal. Your editor plans to do a feature about Thomas soon in a future column! This month, I asked our two newest members, Jerry K1GJQ & Chris W7AMD/G4AMD, to discuss their motives for joining CARL plus describe their experiences as volunteers.

### **Jerry Quenneville - K1GJQ**

I’ve been licensed since 1977 and before that had been a shortwave listener for about 10 years. So radio has been a hobby for most of my life, and I knew at a fairly early age that I wanted to be a ham. I earned my Novice ticket through W1PUO, the University of Massachusetts-Amherst ham club. The UMass club helped me learn the ins and outs of actually getting licensed and gave me access to several experienced hams. My primary “elmer” at UMass was Frank Engstrom, AB7IQ (then WA1GLW) who gave me my novice

### **CARL Continued from Previous Column**

test. My original call was WB1COV and my first contact was a CW QSO with station in Globe AZ using the UMass club station.

Following graduation, I began a 20-year career as a communications engineer in the US Air Force – a dream job following my earlier years as a radio hobbyist. As I moved around the country with my different assignments, I kept active in ham radio. Even outside the US, during a 3-year overseas tour in Germany, I held the reciprocal license DA1QG and enjoyed working a whole host of different countries, some of which I’ve still never worked from stateside. Following my Air Force retirement in 2001, I accepted a job in the Valley of The Sun, working both engineering and business development with a company building and flying stratospheric balloon platforms supporting military and commercial communications needs.

My kids are all adults now, but when they were younger, my wife Margie (KE4CLO) and I enjoyed taking them to the Arizona Science Center and I would regularly “drag” them to CARL / W7ASC for a visit. I was always impressed with the station and the operators, and I was glad to see the science center found value in exposing visitors to amateur radio . . . and I knew from my science center visits that I would like to one day become a W7ASC volunteer. The travel demands of my job, often with very little notice, would keep me from joining the W7ASC team for many years, but when I retired for a second time in late 2021, I soon found myself applying to be a volunteer with CARL. My volunteer experience has been very rewarding, and I strongly recommend it to any licensed ham who enjoys meeting curious kids and adults who come by, and who wants to help spread the word about ham radio.

Thanks to the great team and station at the Arizona Science Center, my interest in radio keeps growing. In terms of operating from home, I continue to experiment with antennas and the challenges of operating under the restrictions of a homeowners’ association. I have also discovered other ways to apply my radio skills by volunteering with the American Red Cross as a member of the Arizona-New Mexico region’s Disaster Support Technology team. After some 45 years as a licensed ham, the hobby continues to open up new opportunities for me and keeps the learning alive.

### **Chris Heavens - W7AMD, G4AMD licensed since 1971**

I’ve been fortunate to be involved with Radio communication, or Wireless and Telecommunications technology from both a professional point of view as well as a “radio ham” for over 50 years now . . . a very long time indeed! Having a lifetime of radio communications experience has made it easy and fun for me to reach out to the Amateur Radio world and offer my technical support to both new and experienced radio operators.

Moving south to Arizona from the Seattle area last year took





***CARL Continued from Page 8***

me out of my role of technical specialist/mentor and so I was looking for a way to get involved with the local radio community again. Meeting Thomas, NE7X, at a ham radio group dinner recently introduced me to what the Arizona Science Center was doing with STEM education and in particular the Ham station W7ASC and its team of volunteers. This looked like a great opportunity for me to continue to give back to the local ham community as well as encourage new folk, especially the younger generations, into this wonderful hobby.

Although I have a fairly extensive and capable radio station at my home, it's been great fun operating some of the very latest radio technology like the Flex 6400 HF transceiver and the IC 9700 Satellite station plus some great antennas up on the roof. Using the Science Center call W7ASC gets added attention as we talk to radio operators around the world who know how important it is for us to mentor to a new and younger generation of operators.

The world of Amateur Radio has changed dramatically over the 50+ years that I've been involved with it; from simple home built equipment and Morse code transmissions, to very sophisticated computer driven digital equipment designs with internet and satellite supported world communications. The next generation of operators can look forward to a highly diverse hobby offering an insight into not only Radio Frequency engineering, but complex computer control systems, and data transmission systems that allow worldwide communication at signal levels that the ear cannot detect in the speaker systems of our radios. How great is that?!!!

**More Volunteers Needed**

CARL received an infusion of new blood in 2022 that allowed it to prosper as a club and its outreach to demonstrate amateur radio. Our ability has been enhanced through grant awards & the teamwork of the W7ASC crew that has evolved over the course of this year. We continue to want the Arizona Science Center visitor to see that amateur radio provides a lifelong exposure to practical & theoretical applications that can be useful tools in STEM education.

If you are interested in sharing your love of amateur radio with our interested & inquisitive visitors 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).

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

On the eve of our annual Hamfest, we are hoping for the best one yet. Everything has been arranged and all has been set. We have heard from travelers several hundred miles away that are planning to be at our event. We are happy to put on the "show" and look forward to reporting the results next month.

Many thanks to David-N7AKC, for helping the club arrange for catering services for its upcoming Holiday Christmas Party.

We have been in communication with the University of Arizona Amateur Radio Club – K7UAZ about providing some mentoring for student hams. Coordinating activities with another club is of great interest to our members and we look forward to a beneficial cooperation ahead.

In 2023, we are looking forward to expanding our board of directors to help make OVARC a better and more interesting club to many in the area. As usual, our elections will be held at our January meeting.

Our regular November meeting will feature Keith-KR7RK who will talk about the 10-meter band. He will also do a demonstration. Many are looking forward to this as 10-meters has been so active and open to all amateur radio classes. It's also great to have an in-person presenter which we haven't had in quite some time.

Looking further out into 2023, we are hoping that we can put together several outings and at least one fox hunt. We usually have some interesting prizes for our fox hunts as well so stay tuned for more on this.

Best wishes to you and yours for a Happy Thanksgiving.



**Hanukkah Begins  
December 18th**





On November 3rd, Randy Shirbroun ND0C presented QRP Operating from “The Black Hole.” He committed to operating QRP, under 5 watts, over 42 years ago and shared suggestions, tips, and tactics that he’s learned. On CW and SSB, he’s worked 320 DXCC entities, earning WAZ with QRP endorsement. Randy shared his experience working contests as well as SOTA chasing and satellites. If you missed the meeting, the recording is available for viewing at <https://youtu.be/9SeODwYwSyA>

Don’t miss our next meeting on December 1st. The presenter will be Michael Walker - VA3MW - Flex Radio Remote Operation.

CADXA is joining the Scottsdale ARC and MARCA for the Christmas Banquet on December 9th at the Eagles Buffet at Casino Arizona. There will be a presentation by James Wasson, PhD, N7ELL, Advancements in Healthcare Electronics, followed by brief presentations of each club. CADXA will be announcing the DXer of the Year award for 2022. If you’d like to attend, buy tickets in advance at <https://scottsdalearc.org/christmas-party>

The club’s DXCC Totals List has been updated on [cadxa.org](http://cadxa.org). If you haven’t updated your totals recently or (if a new member), submit your DXCC totals now. Download and complete the Excel spreadsheet available at <https://www.cadxa.org/dxcc-totals.html> and email the completed copy to [dxcctotals.cadxa@gmail.com](mailto:dxcctotals.cadxa@gmail.com).

### TBARC hamfest coming up soon!

Make sure your calendars are marked for Saturday, January 14. That’s the day the Thunderbird Amateur Radio Club will be holding its annual hamfest at Haven Church, 5902 W. Cactus Road, Glendale, AZ. Yes, the church has a new name - but it’s the same place you’ve been to before. Come by between 8:00 am and 12:00 noon to meet your friends, find some great deals, and learn from some interesting presentations (details coming real soon now) as well as a new food truck. And yes, I have been informed that there will be coffee! You can learn all the details at [tbirdfest.org](http://tbirdfest.org).

### Raffle tickets on sale now!

The raffle sales are in full swing now. If you want to get them ahead of time, you’ll probably run into someone selling them at HRO or one of many hamfests around the valley, and they’re also available online (to Arizona residents only - the state requires that!) Get your tickets online or find out where you can pick them up in person - check out [tbirdfest.org/raffle](http://tbirdfest.org/raffle) for the details. And of course they’ll be available at the TBARC hamfest, which will be the day of the drawing. As they say, if you don’t have a ticket, you can’t win!

### Tell ‘em what they could win

The prizes this year are a treat! You could end up with a Yaesu FT-5DR Dual Band VHF/UHF, a Powerwerx DB-750X Dual Band VHF/UHF, an AnyTone AT-D878UVII Plus UHF/VHF/DMR, a Node Ventures ClearNode hotspot ... or maybe even the grand prize, a Yaesu FT-DX10 HF/50MHz radio. You do not need to be present to win any of these prizes - although we’d love to see you win it in person. Good luck!

### Election results

As I write this, we’re still a week away from the TBARC club election, so I can’t tell you who won. But I can say with certainty that we’re going to see a board with a lot of new faces soon. Thanks to everyone who ran - you are helping to keep TBARC vibrant and exciting!

### December meeting

Traditionally, we don’t have a meeting in December. Instead, we have a holiday banquet. Look for details about when and where on the club website, [w7tbc.org](http://w7tbc.org). It usually ends up around the first or second week of December, subject to when the facilities are available - it seems like a lot of people want to do something similar in early December. The banquet is also when the election results will be announced. Hope to see you then!

Andrew Cornwall KF7CCC - [kf7ccc@arrl.net](mailto:kf7ccc@arrl.net)

## Club Running DXCC report

Israel, K7NO, (the ham formerly known as K7HI)

Download the entry spreadsheet from the club website, email it to the club DXCC email [dxcctotals.cadxa@gmail.com](mailto:dxcctotals.cadxa@gmail.com). Download the club totals to see results from all members.




## Hamfest Calendar

3 December 2022 - **Superstition SuperFest** - hosted by the Superstition Amateur Radio Society will be held at Mesa Community College, 1833 W Southern Ave in Mesa. Hours are 7:00 AM - 3:00 PM. Check the website at [www.superstitionsuperfest.com](http://www.superstitionsuperfest.com) for all the details.

14 January 2023 - **Thunderbird Hamfest** - hosted by the Thunderbird Amateur Radio Club will be held at the Glendale Nazarene 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.

22-28 January 2023 - **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.

25 March 2023 - **Tucson Spring Hamfest** - hosted by the Radio Society of Tucson. Watch for details. Visit the web site at <http://www.k7rst.org> for information and map.

8 April 2023 - **April Hamfest at DeVry** - hosted by the Arizona Amateur Radio Club and the Arizona Red Cross Communications Club (K7ARC) will be held at DeVry University, 2149 W Dunlap Avenue, Phoenix. Watch for details.

6 May 2023 - **Cochise Hamfest and 7th Region Communications Exercise** - hosted by the Cochise Amateur Radio Association will be held at the club site, 2756 South Moson Road in Sierra Vista. Gates open at 7:00 AM. Free Admission and Parking. Tailgating - \$5. Inside Table - \$10. VE Testing from 9:00 until 11:30 AM. Coffee, Pastry, and Drinks Available. Hourly Prizes with Main Prize drawing at 12:00 Noon. Talk-In on 146.76(-) P1 162.2 Hz.

13 May 2023 - **Prescott Hamfest** - hosted by the Yavapai Amateur Radio Club will be held at Granville Elementary School, 5250 Stover Drive in Prescott. Watch for more details as they become available.

**ADAW**

## Public Service Calendar

### Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Scottsdale Half Marathon	Scottsdale Civic Center	12/04/2022
Xterra Estrella Mtn Trail Run	Estrella Mtn Park	12/11/2022
Xterra White Tank Trail Run	White Tank Park	01/08/2023
Pancake Run	Former Paradise Valley Mall	02/05/2023
Xterra McDowell Mtn Trail Run	McDowell Mt Regional Park, Fountain Hills	02/05/2023
Black Canyon 100K	Spring Valley to New River	02/18/2023
Lost Dutchman Marathon	Apache Junction	02/19/2023
Mesquite Canyon Trail Run	White Tank Park	03/11/2023
Xterra Black Canyon Trail Run	Black Canyon City	03/12/2023
Crown King Scramble	Lake Pleasant-Crown King	03/25/2023
Zane Grey 100K	Mogollon Rim, N. of Payson	04/22/2023
Mogollon Monster	Rim Country, E. of Pine	09/09/2023

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.



## 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.

### December Test Sessions

**Dec 3rd** - Chandler Ham Radio Club -- 10:00 AM  
Tri-City Baptist Church, 2211 Germann Rd, Chandler  
Bldg D, Room 170  
Contact: [ve@chandlerhams.org](mailto:ve@chandlerhams.org)  
Walk-Ins Allowed / Registration or Call Ahead  
Register at: [chandlerhams.org/testing/](http://chandlerhams.org/testing/)

**Dec 3rd** - K7ARC VE Team -- 10:00 AM  
American Red Cross, 4747 N 22nd St, Phoenix  
Contact - Brandi Bridges [VE.Testing@k7arc.org](mailto:VE.Testing@k7arc.org)  
No Walk-Ins / Register at [k7arc.org](http://k7arc.org)

**Dec 3rd** - Yavapai ARC -- 9:00 AM  
Jeep Posse Bldg in Pioneer Park, 1200 Commerce Dr, Prescott  
Contact - Donald Bauer 928.775.4690  
Pre-Reg online at [www.w7yrc.org](http://www.w7yrc.org) (Click on License Tests)

**Dec 3rd** - Kachina ARC -- 9:00 AM  
Taylor/Snowflake Fire Dept, 425 Papermill Rd, Taylor  
Contact: Michael Abernathy 916.214.7300

**Dec 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

**Dec 10th, 17th** - NOMADS -- 9:00 AM  
Venture Out RV Resort, 5001 E Main St, Mesa  
Contact: Robert Bingham 480.404.1408  
No Walk-Ins / Register or Call Ahead

**Dec 10th** - Yuma ARC -- 9:00 AM  
Yuma County Sheriff's Office, 141 S 3rd Ave, Training Rm 2, Yuma  
Contact - John Ham 970.927.3273  
No Walk-Ins/ Register or Call Ahead  
Appointment Only - Pre-register by Wednesday

**Dec 12th** - East Valley VE Group -- 6:00 PM  
Charles K Luster Bldg, 640 Mesa Dr, Mesa  
Contact - Ray Vasquez 602.363.4207  
MUST obtain FRN prior to exam

**Dec 12th** - Radio Society of Tucson -- 7:00 PM  
Immanuel Presbyterian Church, Witherspoon Hall  
252 E 22nd St, Tucson  
Contact - Diane Zimmerman [dzimmerman2002@gmail.com](mailto:dzimmerman2002@gmail.com)

**Dec 17th** - West Valley Electronic Club -- 9:00 AM  
The Shack, 11115 W Nevada Ave (111th & Nevada), Youngtown  
Bring FRN, pencil & pen, and \$15.00  
Contact - David Morrill 623.680.5011  
No Walk-Ins / Register or Call Ahead / Limited Seating

**Dec 20th** - Hassayampa AR Klub -- 2:00 PM  
Escapes North Ranch, 30645 S Wandering Way, Congress  
Contact - Charles Carter 316.651.7710  
Call for test and location Info

**Dec 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

**Dec 31st** - Arizona ARC -- 4:00 PM  
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



# *A Ham's Night Before Christmas*

*'Twas the night before Christmas,  
And all through two-meters,  
Not a signal was keying up  
Any repeaters.*

*The antennas reached up  
From the tower, quite high,  
To catch the weak signals  
That bounced from the sky.*

*The children, Tech-Pluses,  
Took their HT's to bed,  
And dreamed of the day  
They'd be Extras, instead.*

*Mom put on her headphones,  
I plugged in the key,  
And we tuned 40 meters  
For that rare ZK3.*

*When the meter was pegged  
by a signal with power.  
It smoked a small diode,  
and, I swear, shook the tower.*

*Mom yanked off her phones,  
And with all she could muster  
Logged a spot of the signal  
And the DX Packet Cluster,*

*While I ran to the window  
And peered up at the sky,  
To see what could generate  
RF that high.*

*It was way in the distance,  
But the moon made it gleam -  
A flying sleigh, with an  
Eight element beam,*

*And a little old driver  
Who looked slightly mean.  
So I thought for a moment,  
That it might be Wayne Green.*

*But no, it was Santa,  
The Santa of Hams.  
On a mission, this Christmas,  
To clean up the bands.*

*He circled the tower,  
Then stopped in his track,  
And he slid down the coax  
Right into the shack.*

*While Mom and I hid  
Behind stacks of CQ,  
This Santa of hamming  
Knew just what to do.*

*He cleared off the shack desk  
Of paper and parts,  
And filled out all my late QSLs  
For a start.*

*He ran copper braid,  
Took a steel rod and pounded  
It into the earth, till  
The station was grounded.*

*He tightened loose fittings,  
Resoldered connections,  
Cranked down modulation,  
Installed lightning protection.*

*He neutralized tubes  
In my linear amp...  
(Never worked right before-  
Now it works like a champ).*

*A new, low-pass filter  
Cleaned up the TV.  
He corrected the settings  
In my TNC.*

*He repaired the computer  
That would not compute,  
And he backed up the hard drive  
And got it to boot.*

*Then, he reached really deep  
In the bag that he brought,  
And he pulled out a big box.  
A new rig? I thought!*

*A new Kenwood? An Icom?  
A Yaesu, for me?!  
(If he thought I'd been bad  
It might be QRP!)*

*Yes! The Ultimate Station!  
How could I deserve this?  
Could it be all those hours  
That I worked Public Service?*

*He hooked it all up  
And in record time, quickly  
Worked 100 countries,  
All down on 160.*

*I should have been happy,  
It was my call he sent.  
But the cards and the postage  
Will cost two month's rent!*

*He made final adjustments,  
And left a card by the key:  
"To Gary, from Santa Claus.  
Seventy-Three."*

*Then he grabbed his HT,  
Looked me straight in the eye,  
Punched a code on the pad,  
And was gone - no good-bye.*

*I ran back to the station,  
And the pile-up was big,  
But a card from St. Nick  
Would be worth my new rig.*

*Oh, too late, for his final  
Came over the air.  
It was copied all over.  
It was heard everywhere.*

*The Ham's Santa exclaimed  
What a ham might expect,  
"Merry Christmas to all,  
And to all, good DX."*

=====

*(c)1996 Gary Pearce KN4AQ  
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or electronic reproduction.*



The Kachina Amateur Radio Club around our core goals. In the area of education and training, we held classes and test sessions which produced several new hams as well as upgrades in the area. We also expanded our technology footprint by adding equipment and building more of the Navajo link system adding to the sites in the system. There is still much work to do yet we made great progress this month.

Finally, in the area of public service, we supported communications to ensure smooth operation and participant safety for the Mule Race, Show Low Bike Ride and Phoenix Orienteering club activities for two days in the petrified forest. We thank all our members who pitched in to support these club activities. We are looking forward to a productive November.

**2023 OFFICERS**

- President: Kevin Parmenter – KG5Q  
kg5q@yahoo.com 480-748-8182
- Vice-President: Bill Turley – KJ7GYH  
awrturley2@gmail.com 928-526-2293
- Treasurer: Dennis Wilkes – W7DRW  
dennis@drwilx.com 928-739-4700
- Secretary: Marie Mortensen – N7SKS  
jmmules@frontiernet.net 928-358-8748

**At Large Board Members**

- Randy Beecroft – W7RJB  
w7rjb@outlook.com 928-587-1336
- Jim Mortensen – W7AZY  
jmmules@frontiernet.net 928-358-8761
- Steve Herron – AG7GD  
ag7gd@protonmail.com 928-242-2558



**Kwanzaa Begins  
December 26th**

**For Sale / Wanted**



**LOOK!  
Great Deals!**

**For Sale**

**For Sale - Military Tube Tester TV-7D/u**

Working. Very Clean. Recently updated and calibrated (May 2022) by Dan Nelson (an acknowledged expert). Can provide documentation and test report. Updated with Nelson's digital meter with plate current test button. Great for matching tubes. Built like a tank. Item dimensions 16"L x 9"W x 7"H. Weight 19 lbs. Located in North Central Phoenix, AZ.

\$1,300.00 (Or Best Offer)

Contact Wayne, KC9IC at 815.263.9329

**For Sale - US Tower MA40 - 40 foot - 2 Sections**

includes: MARB Rotor Base, CX-2M 2 Coax Arms  
4 cement anchor bolts, 6-foot top mast  
All hardware, winches, and cables

\$1,000.00

(Current US Tower listing - \$6,560 including freight)

Located in 43rd Ave and W Bell Rd area of Phoenix

Contact Lee Weitzel K0CCU at 602.330.4840

**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





We had a successful VE session last Saturday.

Thank you to our VE Team: Mike, AA0MR, Eric, N7VAZ, Lee, N7LP, Lin, KB7CWV, Mary, AE6Q & Joellene, KK7FYG. Also thank you to Tri-Cities Baptist Church for providing our venue.

Congratulations to:

Robert, KA6BOB - Upgrade to General  
Jeremiah, KJ7EQH - Upgrade to General  
Curtis, KK7JAL - New Technician

Finally, thank you to CHRC for supporting our VE team, and helping to grow our hobby!

73, Byon, N6BG

ALL,

The Holiday Party Tickets Oder's are open!! <http://chandlerhams.org/holiday-party-tickets/>

We need to sell 50 tickets to secure the room for ourselves. If we don't sell 50 tickets, we may have to share the room with another group, so let's get those orders in!!!! :)

73, Dave KJ4RS

## CLUB EVENTS

THURSDAY NIGHTS @8pm: The N7CHN Chandler Ham Radio Club, MARCA Repeater, 443.050 + p1100. All though this is the weekly club net it is open to all ham radio operators in the valley.

1st Saturday of Every Month

VE Test Session @ 10 am Tri-City Baptist Church 2211 W. Germann Rd, Building D Room 170. Sign up online at the CHRC website, [www.chandlerhams.org](http://www.chandlerhams.org).

2nd Saturday of Every Month

Chandler Ham Radio Club meeting @9AM at Tri-City Baptist Church 2211 W. Germann Rd, Building D Room 140. A presentation follows immediately after most monthly meetings. Also treats are served at no cost and a free raffle for club memorabilia. The meeting is open to anyone, and all members are encouraged to attend.

4th Saturday of every Month

Chandler Ham Radio Club breakfast @ 8:30am Denny's 3971 S Gilbert Rd, NE corner of Germann and Gilbert roads. All are invited.

At the October 29 Arizona Amateur Radio Club test session, four candidates upgraded. Ronald E. Acosta received a new Technician license, KK7IXZ. John J. Adams, KJ7SRE, upgraded to General Class. William L. Robinson received a new General class license, KK7IXI, Deborah G. Stoppler received a new Technician license, KK7IXO. The FCC issued all the licenses by the Monday night after the Saturday session.

On December 8th, the Arizona Amateur Radio Club will have its Christmas meeting/luncheon at Papago Park Ramada 2. The club is furnishing the entre and members will bring pot luck dishes.

The AARC will have its next test session on December 31 at the Red Cross Building.

MERRY CHRISTMAS!

Lori Cripps, WA7EDI



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*CHRC Continued from Previous Column*

## NON-CLUB EVENTS

WEDNESDAY Evenings @ 8pm: The SHOW NET on South Mountain Repeater, 443.050 + p1100. This is a social net but also hope to get TECH questions and conversations as well. Please join us every WEDNESDAY and be a part of this NET.

THURSDAY Evenings @ 7pm, Maricopa County New Hams Net on South Mountain Repeater 440.375 + PL100. This net is targeted at newly licensed hams to learn and get over the fear of pressing that PTT button on your radio. Good variety of new and seasoned hams....no such thing as a dumb question here.

FRIDAY's @ 11AM, THE NATIONALLY FAMOUS "ROMEO LUNCH" AT CULVER'S ON ARIZONA AVE AND WILLIS RD, Chandler, AZ

BE-HIP #2 - Saturday, Nov 26th, 2022 @ 8:30am to ~3pm at Desert Breeze Park in Chandler.

Always respect the airwaves - 73 de KI7PBR Gary

We like to thank ED FONG ANTENNAS for his presentation at our last club meeting. 73'S to ED

Walter Lawrence KK7AEV

*Continued Next Column*



### Club Election for 2023 Results

Election results were reported at 8:30 PM on Tuesday, November 15th during our club meeting, as follows:

President: Steve Estes KB7KWK (97 votes out of 99)

Vice President: Matt Churchill K7YEG (69 out of 99)

Secretary: Scott Simeon KI7KIM (58 out of 99)

Treasurer: Bryan Hubbard KF7DPC (99 out of 99)

Seven Directors:

1. Jeff Heinze N7CCW (80 votes)
2. Brent Butler W7FK (79 votes)
3. Jeff Harris K2DFE (78 votes)
4. JD Smaylis KF7VOX (64 votes)
5. Doug Brown AG7KU (63 votes)
5. John Jacques KD8PC (63 votes)
7. John Wolven KG7NSP (60 votes)

Tied for 5th place were Doug AG7KU and John KD8PC.

Board contenders, Jim Lannon NK2J (55 votes) and Fred Atkinson III WB4AEJ (50 votes) rounded out the ballot. KB4AEJ also got a second-place finish for President with 28 votes, while President-elect KB7KWK also ran for a seat on the Board with 52 votes. His victory in the President's race made his seat on the Board moot.

Also, in second place for Officer positions were Ed Taggard K7EDT with one write-in for VP, and Chris Zollars WG7B with 40 votes in his bid to be Secretary. K7EDT had filled in for Vice President Brian W7JET when Brian's work took precedence over the VP job in the club.

### Club Wednesday Net to Run on Tuesday, December 20 at 8:00 PM

Because the Christmas Party got moved to Wednesday, December 21st, the club decided at its November meeting to move that Wednesday's net back to Tuesday. It runs on the 147.12/449.60 linked repeaters.

### Club Christmas Party, Wednesday, December 21 at 6:00 PM – 9:00 PM

Location: Golden Corral, 1318 N Cooper Rd, Gilbert. Please note that Stapley Dr, Mesa becomes Cooper Rd south of Baseline Rd. The restaurant is ¾ of a mile south of the Stapley exit on US 60.

### Tuesday, January 17 Club Meeting at 7:00 PM

Location: Mesa's Charles K Luster Building – Zoom has been discontinued.

### Superstition Continued from Previous Column

This is our Junque Auction meeting! Doors open at 6:00 PM for sellers to arrive and register ahead of time. The club will get 10% of the winning bid unless the seller chooses to contribute more. The seller may set a minimum bid.

Bidders should arrive by 6:30 PM to have a chance to look over the auction goods.

Our auction and meeting starts at 7:00 PM. Visitors are always welcome.

Our Member Clubs entry on Page 3 of this ADAW contains general information about the club meeting schedule.

### SuperFest Time Again! Saturday, December 3, 2022

Please see our Flyer in this issue's Supplement

The Superstition SuperFest came into being 40 years ago as the Superstition ARC Hamfest after the club had to raise money to replace its repeater. A lot has changed over those years. Our hamfest has moved from a dirt lot in the desert to the paved parking lot of Mesa Community College in Southwest Mesa.

One advantage of this location has been the weather. One year, it was raining cats and dogs in New River and hailing in east Mesa. We had no more than some sprinkles on Friday at what is today the SuperFest.

The Superstition SuperFest is now about the biggest event of its kind in Arizona, thanks to all of the work the members put into running it and thanks to all of our vendors and attendees who come each year.

SuperFest didn't always have its own place on the World Wide Web. [SuperstitionSuperFest.org](http://SuperstitionSuperFest.org) gives anyone the chance to buy tickets to win the Main Prize drawing, for which you need not be present to win. Please visit the site and buy some tickets. You may also buy them in person at the club booth.

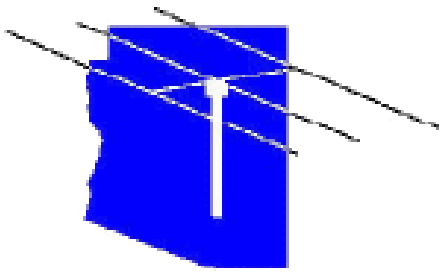
### Fred Bollinger AB7JF SK

Known as AB7 "Just Fred," Fred has been a Life Member of the Superstition ARC, and a longtime Volunteer Examiner with the East Mesa VE Team. He passed away on November 4, 2022. No funeral arrangements were known as of this writing. Fred will be missed by many. (Information via President Steve Estes, KB7KWK)

### Hawaii Slow Speed Net

I received a letter from Hawaii, from Warren, KH6WM because of my Morse code website. He tells me that he is having a tough time finding interested stations with even a basic knowledge of Morse code to partake in the Hawaii Slow Speed Net on 40 meters. It is run on 7118 kHz at 0230Z Thursdays. That is Wednesdays at 7:30 PM MST in Arizona. It's only 4:30 PM in Hawaii, still in daylight.





MARCA INC.

Wow! It's hard to believe that the year is almost over! Just think that this will mean that the current millennium will be 2.2% over already!

For December, MARCA is planning on joining with Scottsdale Amateur Radio Club for a holiday dinner this year to be held at the Casino Arizona. We've joined with them for many dinners in the past, and they've always been very enjoyable.

We have had some discussion of having an informal meeting on our regular 3rd Tuesday in November. If we do, there won't be a business meeting nor a presentation, just a bunch of chitchat. Please check the MARCA web site [www.w7mot.org](http://www.w7mot.org) to find out the latest decision.

Just a note: there seemed to be a mis-communication somewhere as to the location for testing in the November issue of ADAW. The actual location is Denny's at 825 S 48th Street. Please remember that if you are wanting to take advantage of one of our testing sessions, you need to pre-register for the test with Ray Vasquez AND obtain an "FRN" number from the FCC.

And on a personal note: If another club would like to have me repeat my presentation on the Apollo Guidance System, please contact me at [ki7tu@cox.net](mailto:ki7tu@cox.net) to make arrangements. I am willing to do an "in person" presentation in the East Valley, or we can probably work out Zoom or other electronic means for other areas.

Clark Jones, KI7TU

ADAW



**Superstition Continued from Page 15**

Does anyone have any suggestions that I could pass on? Please use the email address below for WB7C. Thank you.

I have suggested that he can promote the net on the QRZ forum. I will post it on my website, too.

**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: November 27th. The Communicator will publish to club members in early December.

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

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

**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. Visit [www.superstitionsuperfest.org](http://www.superstitionsuperfest.org) for the latest information.





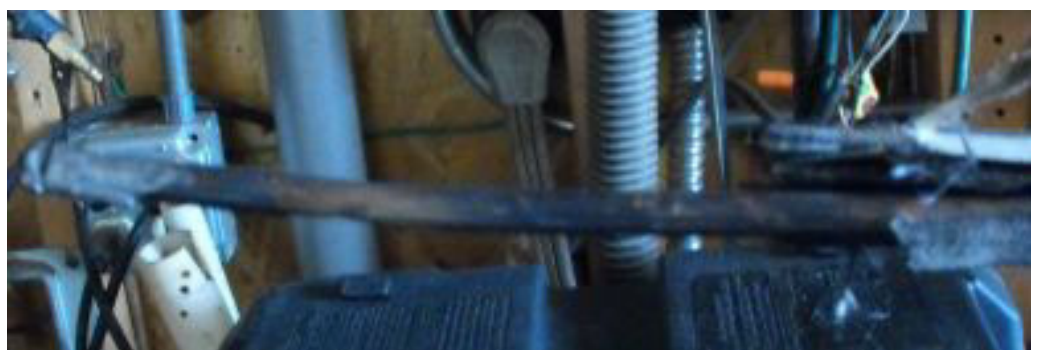
I took a hit on the commercial repeater antenna at my house here in Chino Valley, AZ August 26, 2022. Attached pictures show the fried antenna and the guts that I just took out of it. The base of the antenna was at about 68 feet above ground. Pictures 1 and 2 were taken with drone by W1DGL. The top 2 feet of antenna was blown clear off and was laying on ground.

In addition to the antenna, there were a lot of other things that went south including two garage door openers a gate opener. Several radios as well as a DR2X repeater, two computers, and, of all things, the power supply to my power recliner in the living room, but no TV's.



73 Bob K7POF President MMRG

**ADAW**





*ARA Continued from Previous Column*

**Meetings**

Join us at our next General Meeting in person or virtually. Our in-person meeting has recently 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>

November General Meeting will be a presentation by Clark, KI7TU on the Apollo Guidance System December No meeting – Happy Holidays!

**Membership**

2023 Election results will be available after the Dec 1 Board meeting. <https://www.w7ara.org/rcu/welcome.aspx>

You can join the ARA to support these open repeaters! Membership is \$20 per year. Membership info at <https://www.w7ara.org/mbr/Membership.aspx> or email [membership@w7ara.net](mailto:membership@w7ara.net)

**ARA Portable Repeater - James Wasson**

The ARA portable repeater can operate on one of several frequencies, 145.17, 145.19, 145.21 and 145.23 MHz with a negative offset of 600 kHz and a PL tone of 162.2 Hz. It is possible to link the portable repeater to 1 of 26 different 70cm sites either through linking frequencies or standard repeater frequencies across the ARA repeater constellations widening or expanding the linked repeaters coverage area as necessary. The VHF repeater uses two Motorola CDM radios (one for TX and one for RX), while the link radio is a single UHF Motorola CDM radio for half duplex linking. The 2m duplexer has a diplexer strapped to the top for 2m repeater operation as well as 70cm linking capability.

September 17, 2022 – The ARA portable repeater was most recently deployed to support the Barn Burner race in Flagstaff through the Coconino and Kaibab National Forests.

- Coverage Area - Arizona
- Radios – Three Motorola CDM radios
- Auto-patch – Dependent on if it is linked and to which location.

Antennas – Comscope DB222 VHF, 2-Bay Omni, Exposed Dipole, Vertical polarization, 5.1 dBi gain (a pair of phased folded dipoles for directionality). Diamond X50 (2m & 70cm), Vertical polarization, 2M 4.5 dBi / 70cm 7.2 dBi gain

Power / Redundancy – Two X2Power, 12V, 76AH, AGM Deep Cycle Batteries

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



**Tech Committee activities**

Interested in how the ARA system is architected? How the radios, controllers, filters, antennas, and power sources all come together to make the systems work? Have skills in assembly, soldering and installation? The Tech committee is always looking for interested members to become part of the tech committee. Contact Dennis Campbell at [ae7wu@w7ara.net](mailto:ae7wu@w7ara.net) for more information.

*Continued Next Column*

*Continued on Page 17*



YARC is one of the largest and most active amateur radio clubs in the southwest. Our home is in beautiful Prescott, Arizona, at an elevation of 5400 ft. Why not join us for one of our club meetings. All the info will be on our website, [www.w7yrc.org](http://www.w7yrc.org).



The 2023 Prescott Hamfest is currently in the planning stages. It is scheduled for Saturday, May 13, 2023 at the Granville Elementary School (as last year's event). Details to come as we get organized.



Thank you to the ARRL Foundation!

YARC has been awarded a significant grant to further the development of our Youth Amateur Radio Club created by Heather W8GEM and David K1AN.

License classes are back. And the schedule for 2023 is here. Technician Classes are February 25th and March 4th, then September 23rd and 30th at the Jeep Posse Building from 8:30 a.m. to 4:00 p.m. General Classes are April 22nd, 29th, and May 6th, then October 28th and November 4th, at Jeep Posse Building from 8:30 a.m. to 4:00 p.m.

Amateur licensing tests are available in Prescott every month. Both YARC and our fellow licensing group "ARRL Ham Radio Exams" test on alternate months. YARC's next session will be on December 3, 2022. Pre-registration is recommended at [www.w7yrc.org/arrl-vec/](http://www.w7yrc.org/arrl-vec/). Our test sessions for 2023 are now on the YARC website or the ARRL exams page on their site.

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

### **YARC Continued from Previous Column**

Other nets we conduct are:

Wednesday Night FM Net 7:00 PM

Friday Night 6 meter FM Net 7:00 PM

Saturday Coffee FM Net 9:00 AM

Details of all nets can be found on our website, [www.w7yrc.org](http://www.w7yrc.org)

Our public service events have come to a close for this year with the famous Whiskey Row Marathon, held October 8th. Look for future public service activity on our website soon.

The Yavapai Amateur Radio Club meets at the Freeman Building at the Prescott Rodeo Grounds, 840 Rodeo Drive, Prescott, AZ 86305 on the first Thursday of every (almost) month, at 7:00 PM. Or, if you would like to join the fray via Zoom, the link can be found on the front page of our website, [www.w7yrc.org](http://www.w7yrc.org)

Remember; BE RADIO ACTIVE!



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### **ARA Continued from Page 16**

#### **Pinal Peak - Dennis Campbell. AE7WU**

On Sunday, 10-30-2022, seven ARA members ascended Pinal Peak to replace the faulty 2-meter antenna. The planned trip had been postponed for several weeks due to weather forecasts which proved to be very accurate.

The group included Dennis Campbell AE7WU, Joe Godfrey AE7JG, Mike Montalvo KF7MBK, Brian McCarthy AK7F, James Wasson N7ELL, John Braden K7LKL, and Bill Jackson N9JVW. This gave the team two tower climbers, enough ground crew to support the tower work, and at the same time take measurements inside the building at the same time.

The team removed the old antenna, put a termination on the hardline and swept it across the 2-meter band to verify it had not sustained any damage. After installing the Sinclair Technologies SC226 Aurora collinear Omni, 6 dBd antenna and it was secured in place, the inside team swept it to verify reasonable VSWR.

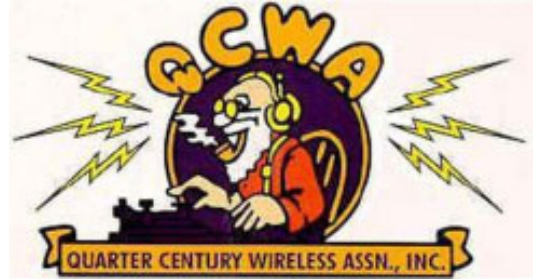
Before leaving they activated all the radios in the rack and, using 147.200, made contact with a station in Bouse and a station in Casa Grande who was using 147.200. Testing before departing a site is a routine practice. The weather cooperated with nice temperatures, minimal breezes, and zero precipitation the whole day. The team was there from about 10:30 AM to about 4:15 PM. Very successful trip.

Dennis reflected on the days' activities. During the 2100 net that night, I found I could once again receive 147.200 from the Lazy Boy chair in my living room in North Peoria with a low enough noise floor to understand all that was said on the RimLink.

*Continued Next Column*

ARA Repeater <https://www.w7ara.org/z/Repeaters.aspx>

# No Reports Received



CHAPTER 16  
BARRY M. GOLDWATER ARIZONA CHAPTER



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



## 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 • Upgraded 71 dB Max. Attenuation vO-Tune • New Generation Scope Display 3DSS • ABR (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



### FTDX10 | HF/50MHz 100 W SDR Transceiver

- Narrow Band and Direct Sampling SDR • Down Conversion, 5MHz 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 (SCL-LAN10)



### 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 16:9 Capable • Internal Automatic Antenna Tuner • High Accuracy TCXO



### FTDX101D | HF + 5M Transceiver

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



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

- Stable 100 Watt Output • 32-Bit IF DSP • 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-3000R | 40W/50MHz Dual Band

- 50W Output Power • Real Dual Band Operation • Full Color TFT Display • Band Scope • Built-in Bluetooth • WRCS-8, Portable Digital Mode/Fixed Mode with HRI-200



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

- 80 watts of RF power • Large 6 digit backlit LCD display for excellent visibility • 200 memory channels for various users



### FT-818ND | HF/VHF/UHF All Mode Portable Xcvr

- Ultra-Compact/Portable • 208 Memory Channels • Internal Battery Operation Capability • Two-Antenna Connectors • Built-in High Stability Oscillator ±0.5 ppm



### FTM-2000R | 40W/50MHz Dual Band

- 1200/9600bps APRS® Data Communications • 2" High-Res Full-Color TFT Display • High-Speed Band Scope • Advanced GIMM Digital Mode • Voice Recording Function for TX/RX



### FTM-400XD | 2W/440 MHz

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

### FT-700R 40W/50MHz 144/430MHz Xcvr

- System Fusion Compatible • Large Front Speaker delivers 700 mW of Loud Audio Output • Automatic Mode Select detects 40W or 10W Analog and Switches Accordingly • Huge 1,105 Channel Memory Capacity • External DC Jack for DC Supply and Battery Charging



### FT-5DR 40W/50MHz 144/430 MHz Dual Band

- 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 • Supports Simultaneous 40W Digital • Micro SD Card Slot



### FT-65R | 144/430 MHz Transceiver

- Compact Commercial Grade Rugged Design • Large Front Speaker Delivers 1W of Powerful Clear Audio • 3 Watts of Redible RF Power/10W in a compact Body • 3.5-hour Rapid Charger Included • Large White LED Flashlight, Alarm and Quick Heavy Channel Access



### FTM-6000R | 50W VHF/UHF Mobile Transceiver

- All New User Speeding Interface-E2D-II (Easy to Operate-II) • Robust Speaker Delivers 3W of Clear, Crisp Received Audio • Detachable Front Panel Can Be Mounted in Multiple Positions • Supports Optional Bluetooth® Wireless Operation Using the SSM-BT10 or a Commercially Available Bluetooth® Headset



- RETAIL LOCATIONS – Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE – Toll-free phone hours 9:30AM - 5:30PM
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**YAESU**  
The radio

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