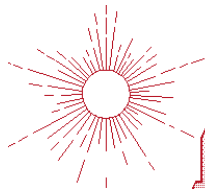


ADAW

10498 Monserrate St
Elk Grove, CA 95757-1765



DECEMBER



ADAW

Arizona Desert Aire Waves

Vol 46, No 12 December 2021

CLUB MEETING SCHEDULE

SARC

Dec 1st - 7:00 PM
E Valley Institute of Tech.

AARC

Dec 9th - 12:00 PM
Papago Park

YARC

Dec 2nd - 7:00 PM
Prescott Rodeo Grounds

TBARC

Dec 16th - 6:30 PM
TBD - Check Web Site

CADXA

Dec 2nd - 7:00 PM
via Zoom

ARA

Jan 27th - 7:30 PM
Electronically

MARCA

Dec 21st - 6:30 PM
via Zoom

MARA

Dec 4th - 9:00 AM
Maricopa Public Library

AzRCCC

Dec 14th - 7:00 PM
American Red Cross/MS Teams

WVARC

Dec 6th - 7:00 PM
Via Zoom

SuperstitionARC

Jan 18th - 7:00 PM
St Katherine's Church/Chandler

CHRC

Dec 11th - 9:00 AM
Tri-City Baptist Church

ANSR

Dec 16th - 7:30 PM
via GoToMeeting

KARC

Dec 14th - 6:30 PM
New Hope Christian Fellowship

OVARC

Dec 17th - 7:00 PM
Mountain View Baptist Church

AMO

Dec 9th - 7:00 PM
Charles K Luster Bldg

ATN (VOAR)

Postponed
www.whereby.com/atn1

QCWA-AZ Chapter

TBD
Various

SunLifeARC

Every Monday - 10:00 AM
Via Zoom

CARL

TBD
Check Web Site

MMRG

See Web Site

ADAW Member Clubs

ARIZONA AMATEUR RADIO CLUB

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

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

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

SCOTTSDALE AMATEUR RADIO CLUB, INC.

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

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

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

ARIZONA NEAR SPACE RESEARCH

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

President	Stephen Thomas	KE7TLS	iamgadget1@yahoo.com
Vice President	Clayton Jacobs	KJ6QJS	
Secretary	Steve Miller	W6SDM	
Treasurer	Bill McLean	K7WWM	bmclean@gmail.com

ANSR, PO Box 31003, Mesa, AZ 85275-1003. DUES: \$10.00/YR. Web Site: www.ansr.org

THUNDERBIRD AMATEUR RADIO CLUB

The Thunderbird Amateur Radio Club meets the **THIRD THURSDAY** of each month at 7:00 p.m. at 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	president@w7tbc.org
Vice President	Rick Tejera	K7TEJ	vicepresident@w7tbc.org
Secretary	Andrew Cornwall	KF7CCC	secretary@w7tbc.org
Treasurer	Jeff Rogers	KD7PYE	treasurer@w7tbc.org
Directors	Robert Lutes	N7NO	n7no@w7tbc.org
	Clair Wyant	KG7MAJ	kg7maj@w7tbc.org
	Chuck Erickson	K7CAE	k7cae@w7tbc.org
	Robert Fairfield	K7RQN	k7rqn@w7tbc.org
Past President	Brian McCarthy	AK7F	ak7f@w7tbc.org
Trustee	Gary Duffield	WK7B	wk7b@w7tbc.org

For further information about the ThunderBird Amateur Radio Club, visit our website at <http://w7tbc.org>, send an e-mail to: info@w7tbc.org or call 602.938.8219. The Thunderbird Amateur Radio Club is a 501(c)(3) non-profit organization. Mailing address: PO Box 11394, Phoenix, AZ 85318-1394.

AZ RED CROSS COMMUNICATIONS CLUB

The Arizona Red Cross Communications Club meets the **SECOND TUESDAY** of each month at 7:00 PM at the Red Cross Building located at 4747 N 22nd Street in Phoenix. The group meets at emergency drills and at the call of the officers.

President	Charlie Zurenko	N2TFS	
Vice President	Mark Steele	KI7RB	
Secretary	Saroj Gilbert	KM6BQD	
Treasurer	Doug Bessemer	K0VPL	
Past President	Peter Petrotta	KD7OIW	

Arizona Red Cross Communications Club - K7ARC, 4747 N 22nd Street, Phoenix, AZ 85016. Web Site: K7ARC.org Email: azrccc@gmail.com

MARICOPA AMATEUR RADIO ASSOCIATION

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

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

The Maricopa Amateur Radio Association is a 501(c)(3) non-profit organization. DUES: \$25.00/year individual, \$30.00/year family. Apply on-line at www.copahams.org. Mailing address: P O Box 951, Maricopa, AZ 85139

ADAW Member Clubs

BARRY M GOLDWATER, ARIZONA CHAPTER QUARTER CENTURY WIRELESS ASSOCIATION

The Barry M Goldwater Arizona Chapter of the QCWA includes amateurs from all over Arizona 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
 DUES: \$7.00/year and current national QCWA membership.

MINGUS MOUNTAIN REPEATER GROUP

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

President	Bob Sitterley	K7POF	928.636.2146
Vice President	Tom Griswold	WN7E	
Secretary	Lori Cripps	WA7EDI	602.955.7517
Treasurer	Bob Sitterley	K7POF	928.636.2146
Board Members:	Gary Hamman	K7GH	
	Butch Merrill	K7JOG	
	Jerry Roberts	K7BUD	
	Ken Rasback	KK7KEN	
	Tom Raczykowski	N7MMC	
	Sonja Hazlett	WB7CWW	

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

KACHINA AMATEUR RADIO CLUB

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

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

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

ARIZONA REPEATER ASSOCIATION, INC

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

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

Board Members:

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

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

SUPERSTITION AMATEUR RADIO CLUB

The Superstition Amateur Radio Club meets the **THIRD TUESDAY** each month (except December) at 7:00 PM -- Charles K Luster Building, 640 N Mesa Drive, Mesa -- also via Zoom. **VISITORS** are Encouraged to attend. **Board meeting:** Second Tuesday at 6:30 PM via Zoom. If you would like to attend one of our meetings via Zoom, please contact president@superstitionarc.org at least 24 hours prior to the meeting for the Zoom link.

President	Steve Estes	KB7KWK	480.251.0551
Vice President	Brian Betz	W7JET	
Secretary	Scott Simeon	KI7KIM	
Treasurer	Bryan Hubbard	KF7DPC	480.205.8122
Board Members:	Bob Thomas	N8ANV	239.253.8279
	Emmet Plant	KB3MPN	
	Fred Atkinson	WB4AEJ	602.464.4406
	Greg Watkins	WB7VOK	
	Jeff Harris	K2DFE	602.617.6930
	Jeff Heinze	N7CCW	480.720.7908
	John Wolven	KG7NSP	

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



ADAW Member Clubs

MARCA, Inc. / W7MOT

MARCA is an Arizona 501(c)(3) Non-Profit organization. The club call sign in W7MOT. Membership is open to all amateur radio enthusiasts. Meetings are held the **THIRD TUESDAY** of each month at 6:30 p.m. via Zoom - login info on W7MOT.org. Monthly presentations cover a broad spectrum of interesting subjects. Visitors are welcome to attend. Come early (6:00 p.m.) socializing. Repeater Problem Reports are encouraged. A Repeater Problem or Comment Reporting is available at <http://www.w7mot.org/index.php/repeaters/report-a-repeater-problem>. Site Managers and officers will take reports for any W7MOT repeater. Contacts are found on website. Club activities include providing voice, aprs, packet, DStar, and Fusion repeaters Central Arizona; ARRL Field Day, special interest groups in SDR, APRS, antennas, digital modes, and SBC applications.

President	Norm Johnson	AA7OO	480.278.2886
Vice President	Ray Vasquez	K4RMV	
Treasurer	Don Aldridge	WA7RLL	
Secretary	Paul Bennett	KD7KDO	
Board Member	David Yee	N7AJR	
Trustee:	Norm Johnson	AA7OO	480.278.2886
Webmaster:	Norm Johnson	AA7OO	480.278.2886

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

CENTRAL ARIZONA DX ASSOCIATION

The Central Arizona DX Association meets the **FIRST THURSDAY** each month at 7:00 p.m. Until further notice, meetings will be held virtually on Zoom. Visitors always welcome. See www.cadx.org/meetings.html for a map.

President	Bill Poole	AA4Q	billpoole@yahoo.com
Vice President	Ron Smith	N7RD	n7rd@cox.net
Secretary	Bob Davies	K7BHM	k7bhm@cox.net
Treasurer	Mike Wright	N7MW	n7mw@aol.com
Past President	Larry Loen	WO7R	lwloen@gmail.com
Directors	Eric Schecter	KC7ES	eschecter@gmail.com
At-Large	John Jolly	N7NWL	wa7nwl@gmail.com

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



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

YAVAPAI AMATEUR RADIO CLUB

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

President	John Snedden	KT7P	president@w7yrc.org
Vice-President	Mike Reid	WU7V	vice_president@w7yrc.org
Secretary	Tim Norton	K7PVY	secretary@w7yrc.org
Treasurer	Sam Prather	K7SCP	treasurer@w7yrc.org
Past President	Bill Noe	WG7W	
Board Members	Dave Erlach	W7V SX	rocketdog@dslxtreme.com
	Mike Schnell	NC7X	ka9cid@gmail.com
	John Laing	K7PRS	k7prsextra@gmail.com
	Ray Kolman	KI7COM	spudsman@gmail.com

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

ORO VALLEY AMATEUR RADIO CLUB

The Oro Valley Amateur Radio Club meets the **THIRD FRIDAY** of each month at 7:00 p.m. at 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 for dates.

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

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

CHANDLER HAM RADIO CLUB

The Chandler HAM Radio Club (call sign N7CHN) meets the **SECOND SATURDAY** of each month at 9:00 AM 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 for dates and presentation topics of club meeting. Weekly net is held every Thursday at 8:00 PM on 443.050+ PL100.

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

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

ADAW Member Clubs

CENTER FOR AMATEUR RADIO LEARNING

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

President	Jack Landon	KD7ROB	480.759.5195
Vice President	Jim Felkey	N7BBS	480.966.7084
Sec./Scheduling	Sam Marshall	N7INV	602.291.0992
Treasurer	Karen McConaghy	NO7D	602.799.7338
Station Engineer	Ron Taylor	WA7GIL	602.390.5335
Board Members:			
	Steve Warford, WB4ZSC	ADAW	
	Tom Salt AD7PM	At Large	
	John O'Neal K7JP	Teacher Packets	
	Bob Burleson KG7QJ	Trustee/President Emeritus	
	Robert Faerber W9AQ	Log Book	
	Scott Gillins W2KP	At Large	

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

AMATEUR TELEVISION NETWORK

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

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

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

ATV Repeater Outputs: Phoenix - 1253.25 and 5910 MHz,

Mesa - 421.25 and 1289.25 MHz, Tucson - 1277.25 MHz

FM Repeater Outputs: Phoenix - 448.400 MHz PL 100.0,

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

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

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

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

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

WEST VALLEY AMATEUR RADIO CLUB

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

President	Danny Hoerr	KM4HFT
Vice-President	Bill Ciccone	KA2KHV
Secretary	Lee Ann Ciccone	KJ7AZR
Treasurer	Doug Totel	K9RZ
Board Member:	Krissy Larson	KI7GJJ
	Joe Jacobson	KJ7PUL
	Frosty Oden	NQ1S
	Larry Johnson	WO7C
Past President	Danny	KM4HFT
Committees:		
Membership	Krissy Larson	KI7GJJ
Technical Advisory	Frosty Oden	NQ1S
Equip. Donations & Sales		
	Ken Jenkins	WB6MMV
	or Jim Seay	WB7RBN

WVARC, P O Box 1573, Sun City, AZ 85372-1573. DUES: \$15.00/YR for family residing at the same address. MEMBERSHIP YEAR - January - December. Web Site: <http://westvalleyarc.com>. Email: suncitywvarc@gmail.com

SUNLIFE AMATEUR RADIO CLUB

The Sunlife Amateur Radio Club meets **EVERY MONDAY** from October through April each year at 13:00 (1:00 p.m.) on Zoom. For access, please contact Sue Rogers, W7SKH at happyham7777@gmail.com.

Nets:

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

10 Meter Net: Tuesday & Thursday, 28.329 Mhz, SSB. 7:00 p.m./8:00 a.m. during daylight savings time.

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

President	Sue Rogers	W7SKH	happyham7777@gmail.com
Vice President	Ralph Towers	KA0CET	retowers@hotmail.com
Secretary	Chuck Rogers	W7CBR	rogers_charles@hotmail.com
Treasurer	Dwight Carlson	KF7WI	dec@kalama.com

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

ADAW Member Clubs

AMO - ARIZONA MESH ORGANIZATION

The Arizona Mesh Organization (AMO) is a 501(c)(3) amateur radio club. Our goals and purpose is to promote and support ARDEN MESH Networks throughout the state of Arizona, to explore new technologies, to promote the education of what amateur radio mesh is, to support and exchange information with mesh users throughout the state, to further the technology of mesh radio itself, to support emergency and public service communications, and (of course) to have fun along the way. AMO's board meets the **FIRST THURSDAY** and club meetings are held the **SECOND THURSDAY** of each month via Zoom. If you would like to attend either of these, contact the President, Michael, KI7LXY at president@arizonamesh.org at least 24 hours in advance. Visit the web site at <https://arizonamesh.org> for more information on the AMO Club and up-to-date news.

President:	Michael Bailey, KI7LXY	president@arizonamesh.org
Vice-President	Steve Estes, KB7KWK	vicepresident@arizonamesh.org
Treasurer:	Scott Gillins, W2KP	treasurer@arizonamesh.org
Secretary:	Robert Fridell, N3BZ	secretary@arizonamesh.org
Board of Directors		
	Dale Schmidt, N7QJK	n7qjk@arizonamesh.org
	Heidi Brewer, K7ZAE	k7zae@arizonamesh.org
	Gary Hinton, AC7R	ac7r@arizonamesh.org
	Bob Howard, W8RH	w8rh@arizonamesh.org
	Rodney Fritz, WB9KMO	wb9kmo@arizonamesh.org

Mail Address: Arizona Mesh Organization Inc, 7939 E Golf Avenue, Mesa, Arizona 85209. DUES: Full Membership \$25.00 per year. Visit the AMO web site for more information on membership. If you would like to join, visit our web site and click on the HamClubOnline Banner: https://arizonamesh.org/amo_membership.shtml

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.

President:	Mike Fulcher, KC7V	mikekc7v@gmail.com
V. P. North Area	Ray Benny, N6VR	n6vr@arrl.net
V.P Central Area	Chuck Zanella, KF7U	Chuck_KF7U@outlook.com
V.P. South Area	Owen Watson, AK7W	ak7w.owen@gmail.com
Secretary/Treasurer	Larry Reader, KE2VB	larry.ke2vb@gmail.com

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.



ADAW Staff

PUBLISHER / MANAGING EDITOR

Christine Kesauer	N7PVL	602.843.0960
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AMOEDITOR		
Robert Fridel	N3BZ	610.577.6907
ANSREEDITOR		
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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

Seasons Greetings!

Hope everyone had a wonderful Thanksgiving - or will have a wonderful Thanksgiving if this reaches you before the big day.

We had a couple of months of Hamfests nearly every weekend. December has only one. The annual Superstition Superfest. This year's event will be at a new location, Superstition Springs Center on E Southern Avenue - 6555 E Southern Avenue to be exact. There will be the usual VE testing, ARRL Card Checking, the K7A Special Event Station, GOTA Station, and Fox Hunt. Food and drinks will be available and live 60s and 70s music, too.

Be sure to check the Hamfest calendar on page 9 for more details. Visit the web site at www.superstitionsuperfest.org for up to date information. If you have questions, contact the chairperson at chairperson@superstitionsuperfest.org.

The Thunderbird Amateur Radio Club will hold its annual event on January 15 at the Glendale Nazarene Church on Cactus Road in Glendale. This hamfest gets bigger and better every year. So, if the "jolly old soul" missed a couple of items on your ham radio list, check this event out. Check their web site for all the details - <http://www.tbirdfest.org>.

Also in January is Quartzfest. This event is a week long and offers a great deal to see and do. There's camping, seminars, swap meets, and so much more. January 23-29 are the dates and you can get more information on the web site at www.quartzfest.org.

Be sure to check the Hamfest Calendar on Page 9 for these and all the upcoming events in Arizona - or the ones that have submitted some information at least. Make plans to attend one, two, or more of the events to help support the hosting clubs. You'll meet lots of friendly, interesting people that share the same passion for our hobby that you do.

Happy Holidays to all. May the season bring the love and joy it is known for to each of you, and may it carry through the following year.

See you next year!

73,
Christine, N7PVL

Public Service Calendar

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Phoenix Half Marathon	Downtown Phoenix	11/14/2021
Xterra San Tan Trail Run	San Tan County Park	11/14/2021
Xterra Estrella Mtn Trail Run	Estrella Mtn Park	12/11/2021
Scottsdale Half Marathon	Scottsdale Civic Center	12/12/2021
Auxcomm Interest	TBD	12/31/2021
Xterra - White Tank	White Tank County Park	01/08/2022
Xterra McDowell Mtn	McDowell Mtn County Park	02/06/2022
ADA Tour De Cure	West Valley	03/05/2022
Xterra Black Canyon Trail Run	Black Canyon City	03/13/2022
El Tour De Cure	Mesa	04/02/2022

To sign up for an MCECG Public Service Event: www.mcecg.net

For information, contact Dennis Bietry - KE7EJF at 602.274.3732 - email, ke7ejf@cox.net, or contact the Event Coordinator for the event.

ADAW





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., and the ham shack hours are essentially the same, dependent on availability of staff. Our Twitter feed and Face Book page can be accessed at twitter.com/w7asc_arc and facebook.com/W7ASC, respectively. We hope to have our web page back up shortly. All licensed amateur radio operators are invited to join us Wednesday and Saturday mornings at 0900 MST for the CARL Net on 440.375 MHz, offset +5.0, tone 100. The repeater is located on South Mountain.

Thanks for the Memory

Today’s C.A.R.L. Net question of the day reminded me that another deadline looms before me. With the craziness of the COVID pandemic and its seesaw rules, suggestions, and outright mandates, normal tasks are getting the short end of the stick. Sadly, for me that included this month’s newsletter.

But the question of the day for our net this morning was, “What amateur radio projects do you plan on doing during the upcoming holiday season?” On hearing that, my mind immediately went to that unhappy place we too often find ourselves in when we don’t think we can add one more task to our ‘to do’ list. But the silver lining of the dark cloud this morning was that the net participants were eagerly writing my ADAW article for me.

At the top of their wish lists for the holidays was a desire to operate more frequently, reach out on more bands, and add a modality or two to their repertoire. If you reflect on this, you will quickly realize that you can’t do these things alone, but there has been a lot of “alone” in our world for the past year or more. But, not to worry. In amateur radio, we are never alone. Partners for QSOs can be anywhere in the world, at anytime of the day or night. And the more removed, the better, in many cases. Another take-away is that when we decide to turn on, tune up, and warm a few clouds, we just might be the answer

CARL Continued from Previous Column

to another ham’s question, “Is there anybody out there today?”

Second on the wish list for C.A.R.L. Net participants today was resurrecting old friends (equipment relegated to the bottom drawer), erecting HOA-defying antennas, and connecting with two-legged friends who share not only amateur radio with us, but other passions like musical performance, travel, or good food. Eyeball QSOs require common ground and, in the great Southwest, it’s never a bad time to gather, inside or outside. A mobile rig can add yet another dimension to such travel. When I mentioned that I was restoring a vintage mini-tractor, I knew it was coming; “Put an antenna on your tractor and make some contacts while you work.”

The Reason for the Season

Whatever your personal beliefs are, it’s hard to argue against the upcoming season’s focus on gratitude, faith, sharing, and family. Add a pinch of harmony, as well. Amateur radio operators are some of the best equipped humans on Earth for that agenda. Just being licensed amateur radio operators gives us the key to unlock doors that others cannot. Learning a few phrases of a foreign language, says we care. Answering the CQ of an inexperienced operator says, welcome.

73

de WB4ZSC Steve
vyix99@yahoo.com
480.570.1041

ADAW



Continued Next Column



TBARC Continued from Previous Column

have a holiday dinner. Charlie asked at the October general meeting for suggestions for a venue that didn't break the bank, but still had the rodents under control. I'm expecting we'll know - along with the election - at the general meeting in November. Keep your eye on the website (<http://w7tbc.org>) and your email - once we have the place nailed down, we hope to see you there!

Andrew Cornwall KF7CCC
kf7ccc@arrrl.net

Elections - congratulations to everyone who ran!

We had our first contested election in a few years, and the first under the new bylaws — members elect the board, then the board elects the executive. As I write this, the votes haven't been cast yet, but I want to congratulate everyone who stepped up as a candidate. You're the kind of leaders that make this club great. And even if you didn't make it on the board this time, you're still a winner in my eyes!

November 20 Activity and Gathering

I'm peering into the crystal ball again here, because the November 20 TBARC event is happening in your past but my hazy future. However, I foresee that a lot of radio operation, learning and teaching will happen on Saturday, November 20 at Foothills Park, 5708 W Union Hills Drive in Glendale. I expect the lunch will have been good - hope you enjoyed it!



Ruben Kafenbaum, WA2NBL demonstrate Go Kit Boxes

Tim Duffy K3LR presentation

Spread the word to all your ham friends and friends-of-friends - we've got Tim Duffy K3LR, the prolific contester and CEO of DX Engineering, who will be presenting to TBARC via Zoom at our January 20 meeting. The topic will be "Grounding and Bonding" - something that many hams know is important, not just for lightning strikes but also for station performance. I can't say much about the topic, but I know DX Engineering sells Cadweld - I've got my fingers crossed for a demonstration!

ADAW

The hamfest is coming up!

We've had a few people step up to give presentations at the hamfest, although the presentation schedule hasn't been confirmed yet. And we're still looking for volunteers from the club who can help set up on Friday, as well as deal with parking, admission, club sales, and more on Saturday. Get in touch with Rick at hamfest@w7tbc.org and he'll find a spot for you! No matter what, make sure you keep the hamfest on your calendar: Saturday, January 15, 2022 at the Glendale Nazarene Church, 5902 W. Cactus Road in Glendale. As usual, watch www.tbirdfest.org for news and updates.



December meeting

As is tradition, there is no December meeting - instead, we

Continued Next Column

License Testing Information

When you are ready to take an exam for an Amateur Radio license, there are Volunteer Examiners available to assist you. Each Applicant will need to bring a picture ID (some test sessions require two forms of identification). If you are upgrading your class of license, be sure to bring the original (and a copy) of your license and/or Certificate of Successful Completion of Examination (C.S.C.E.). There may be a fee required.

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

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

December Test Sessions

Dec 4th - K7ARC VE Team -- 10:00 AM

American Red Cross, 4747 N 22nd St, Phoenix
Contact - Brandi Bridges k7arc.ve@gmail.com
No Walk-Ins / Register or Call Ahead

Dec 4th - 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

Dec 6th - 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 7th - Oro Valley ARC -- 6:00 PM

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

Dec 10th - Desert Amt Radio Club -- 4:00 PM

Scenic Road RV Park Club House, 480 N Central, Quartzsite
Contact - Kathleen Kuck 520.909.2706
No Walk-Ins / Register or Call Ahead

Dec 11th, 18th - NOMADS -- 9:00 AM

Venture Out RV Resort, 5001 E Main St, Mesa
Call or email team to schedule a test / on demand testing
Contact - Robert Bingham 480.404.1408
No Walk-Ins / Register or Call Ahead

Dec 13th - 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 13th - Radio Society of Tucson -- 7:00 PM

Immanuel Presbyterian Church, 9252 E 22nd St, Tucson
Contact - Diane Zimmerman dzimmerman2002@gmail.com

Dec 18th - Hualapai ARC -- 10:00 AM

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

Dec 18th - 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 21st - Hassayampa AR Klub -- 2:00 PM

Home, 30645 S Wandering Way, Escapees North Ranch, Congress
Contact - Charles Carter 316.651.7710
No Walk-Ins / Register or Call Ahead

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

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

Dec 26th - 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
FACEMASKSAREREQUIRED





The AOCC Roundup recording has been published at <https://youtu.be/k5p5A8cuguc>.

December brings us a bunch of contests. The big ones are the ARRL 10 & 160m contests and the Stew Perry Topband Challenge. Spots are coming a little more frequently now so maybe, if we are lucky, 10 meters may have some life this year. As a reminder, you can find contest dates and links to rules by looking at www.contestcalendar.com.

You can also check to see what dxpeditions will be on for a contest weekend at <https://www.ng3k.com/>.

Contest Tip this month – Work all dupes in a contest. By the time you tell someone QSO before you could have logged the QSO. You do not gain any points for working dupes, but you are also not penalized for having them in your log. Leaving the QSO's in your log ensures that you don't receive a NIL (Not in Log) penalty. The other station may not have logged you the first time around. Could be he miscopied your call or was calling someone else on your frequency that you were not hearing and the timing was correct.

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.

Here are a couple of AOCC accomplishments

AOCC ends up with a claimed score of 8,576,108 points from 20 entries in the CQWW RTTY contest. This is our best club score since 2017.

AOCC at the moment has a claimed score of 13,567,078 points in the CQWW SSB contest. It was a fun contest with lots of activity. 9,437 logs were submitted and we experience openings on 10 and 15 meters. We will report on the AOCC effort in the CQWW CW contest next issue.

We welcome all who wish to join the ham contesting/radiosport world.

ADAW

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

11.0/13.5 KW 120/240 V Predator Generator

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

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

Cleaning out 50 year collection of ham related parts, connectors, ICs, cables, antennas, poles, and such, all on a "make offer" basis. Contact Bill, W7JSW at hoskingb@cox.net to arrange a meeting.

Ham Home For Sale - This beautiful home in Sun City West is perfect for amateur radio. The house features one very large bedroom, 1 and 1/2 bath, plus a large radio room. There is also a free standing one bedroom guest house with a kitchenette and bathroom. A 140 foot Glenn Martin tower with a 6 foot concrete base, a C-3 Force 12 rotating beam with hazer to crank down to roof level is included. House was built in 1989 in a Del Webb designated area for antennas.

Contact Flora Rutledge, WA0AAM at 623.975.0023 for more information.

The **West Valley Amateur Radio Club** has radios and ALL kinds of supplies available for sale through the club. We get some old equipment that won't sell that will be added to the items for free. Contact: Ken Jenkins, WB6MMV at kjenkins5623@gmail.com or Jim Seay, WB7RBN at wb7rbn@arrl.com.



Our next meeting will be held on January 5, 2022 at 7:00 PM, Online vs in person TBD

Our holiday dinner is planned for December 1, 2021 at 6:00 PM, to be held at the East Valley Institute of Technology in Mesa. The speaker will be Joanna All hands who is on the editorial staff of the Arizona Republic. She will be speaking about the water situation in Arizona.

One of our board members, Alex Caravajal, KJ7OFM, passed away on October 31, 2021.

In entering the new year we are hopeful that we will be able to meet in person again.

73,
Gene K0VN

In-person club meetings continue. It has been great to get together once again. The regular club meeting is held the second Saturday of the month at 9:00 AM. The meeting location is at the Chandler Tri-City Baptist Church. The church is located at the SW corner of Germann and S. Dobson roads. The church has rooms in the back, on the south side of their parking lot. That is where we will be located. Watch for temporary signage to direct you to the correct location. These in-person meetings are a welcome change for all, and we hope that they will continue. We are going to try again a hybrid meeting, with both in-person and Zoom. As always, check our website chandlerhams.org for additional information. After the regular meeting a presentation of interest to Hams will take place. For December 11th, the presentation will be an "Introduction to Antenna Design."

After the regular presentation, we have added a new Elmer feature as a last part of our monthly meetings. Following the presentation there will be a Q&A session. Everyone is welcome to participate in all or part of these monthly club meetings.

Our Thursday evening net continues at 8:00 PM. It is located on 443.050 MHz, + offset, and with a PL tone of 100. Thanks to MARCA for the use of their repeater, located on South Mountain. Please "check in" and see what it is all about.

Please check out our website. You will find links to our meetings and the calendar gives other events as well. We have added information about upcoming Hamfests, including some we will be participating in.

VE testing continues at the Tri-City Baptist Church in Chandler at 10:00 AM on the first Saturday of the month. We are proud to say that we have continued the testing throughout the pandemic. Now we are able to increase the number of applicants due to changes in the building limits and additional test personnel. Please check our website for registration. Contact information is also given in this newsletter, and on the ARRL website. Slots are still booking fast but we do have access to an additional room going forward so check it out as need be.

Mike – AA0MR
President CHRC



SARCCONSTANTS:

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.





CADXA Continued from Previous Column

Fourteen years ago, his XYL encouraged him to build his dream contest station on 10 acres east of Ft. Collins. This has made it possible to evaluate top transceivers in major contests in a real-world environment. He has six towers that support nine mono-band HF Yagis, plus 6m, 2m, & 70cm Yagis, plus wires for 160, 40 & 30 meters.

A recent project was operating on the new 475 kHz band with a 160-meter to 630-meter transverter manufactured in Australia. An IC-7610 on 160-meters handles receiver and transmit converted to 630m. He uses his 160-meter Marconi T antenna with a separate tuner on 475 kHz. His log includes 33 states, using WSJT X modes. His best on 475 kHz 8000 miles working Roger, VK4YB three times in Australia.

The November 2021 program was: “The Science of Audio & Beyond” presented by Dr. Bob Heil, K9EID. More info on Bob can be found at: www.https://heilsound.com/

Many of the prior CADXA programs are available for replay at: <https://www.youtube.com/channel/UC9nMKw-3r3ygdLWxsGcqV2A>

CADXA has several year-long on-the-air activities set up similar to CQ’s DX Marathon. This allows members to track their progress working DX against other members, it encourages working the common ones again every year in between chasing the really rare DX entities. Also, someone with a smaller station working lots of casual QSOs might beat out a DXCC Honor Roll guy with a KW and a ton of aluminum in the air. Tune in to our meeting to see this month’s status! Our repeater in Mesa is on the air and open for use with callsign K5VT/R at 147.32+ with 123.0 PL.

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

See you all on Zoom for the next meeting.

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

ADAW

CADXA activated the Late Senator Barry Goldwater’s K7UGA callsign as a special event during one week in October culminating in the AZ QSO Party. See the K7UGA <https://www.qrz.com/> page for information on the event in which the various stations and operators making a total of 4142 QSOs using the K7UGA call!

Due to the ongoing situation with COVID-19, the upcoming meeting will be held virtually using Zoom. The meeting will be Thursday night, December 2nd starting at 7:00 p.m. (0200Z). If any of you reading this would like to join via Zoom or would like any other information about CADXA, send me an email: aa4q@arrl.net.

Also, if you read about this in ADAW after the meeting date, check our website <https://www.cadxa.org/> for more about the club including the upcoming meeting info!

The December program will be “Transceiver Performance for the HF Contester and DX Operator” presented by Rob Sherwood NC0B.

Rob began ham radio in 1961 in Cincinnati, Ohio, as both a novice & general class operator. After graduating college in 1969 with a degree in physics, he moved to Denver & worked for KOA radio as an engineer until 1987. He maintained their 50 KW AM & FM transmitters, microwave links & studio equipment.

1974 saw the beginning of Sherwood Engineering, offering roofing filters & upgrade kits for the Drake R-4C. In 1976 he started measuring receiver performance on dozens of radios, since reviews in QST did not correlate with actual on-air observations at crunch time in CW contests. In 1977, “Ham Radio Magazine” published the first of several of his articles on receiver problems & cures, vertical antenna ground systems & mobile antenna efficiency. Those articles are available on his web site as PDF files. Receiver test data is now web based with 150 transceiver & receiver listings. www.nc0b.com/table.html

In the 80’s, he was forum speaker at Dayton Hamvention on several occasions. In 2016, he did a presentation at the Visalia DX Convention. In 2017, he spoke at ARRL Hamcon in Cody Wyoming, & a second appearance at the Duke City Hamfest in Albuquerque, NM. Contest University 2021 was his 14th annual presentation at that event. He has also spoken at W0DXCC, W9DXCC, W4DXCC, YCCC, New Orleans, Austin, Huntsville, Tucson & St. Louis, along with many in the Colorado area.

Continued Next Column





A Heads-Up: No Club Meeting in December; January Auction and Meeting in Chandler

Please see details further down this column.

Dale Schmidt, N7QJK SK

The club is saddened by the passing of Dale Schmidt, a member of 30 years, a Board member, hamfest chairman and current Webmaster. He was in charge of the SuperFest website from its inception and of the club's website since its renaming to SuperstitionARC.org.

President's Corner, Dedicated to Dale Schmidt

by Steve, KB7KWK

I write this month's President's corner in memory of one of the best friends in my life. I met Dale around 1988 or early 1989. My brother Ken and I were in High School and both got our first cars. Like a lot of people back then, we installed CB radios. My brother and I made a lot of new friends who were all CB operators. Dale was one of them. Some of those folks have long passed away. A few are still around and we are all still friends.

In 1990, Dale and I, along with several others in our CB group, decided to get our amateur radio licenses. Back then you had to learn five words per minute Morse code to get your Novice. As it turned out, Dale was pretty good at the code and passed his test fairly quickly. I was struggling with it and Dale would spend many nights helping me out. Although he could send and receive code okay, he never really stayed with it; however, he had an electronic Morse code machine and would help with the testing of new hams.

One night before a test started, he and I were the only ones in the room. He told me that he was going to crank up the speed on the machine to something like 30 or 40 words per minute and have it send out "How are you Larry." This is Larry you all know as WB7C. He was WB7CRK at the time and he was one of the VEs working at the test session that night.

Just as Larry walked into the room, Dale let it rip and you should have seen the look on his face when Larry responded "I am fine, Dale. How are you?"

Around the time that I met Dale, he was living with his elderly parents to help take care of them and he worked at a bicycle shop in Mesa as a bike mechanic. Dale could take a bicycle apart and put it back together with his eyes closed. He knew just about everything when it came to bicycles. Back in the day he rode bikes quite a bit, especially mountain bikes. In the mid

Superstition Continued from Previous Column

90's, the bike shop closed up and Dale spent most of the time taking care of his parents until they both passed away.

As we entered the 2000's, Dale's struggle with weight gain became worse and his health started to decline quickly. I do not remember the year for sure, but I think it was around 2004 when he decided it was time to get surgery for the weight gain and he had his stomach stapled. In the weeks following he needed help with a place to stay and to help him get around. My wife Brenda and I invited Dale to stay with us for a while until he could find a place of his own. Dale had no family here in Arizona. He had a sister in California and a Brother in Nevada. In around 2005, Dale found a single wide mobile home in a park around the area of Main and Ellsworth and moved in.

Not long after moving into his new place, Dale enrolled into Central Arizona College and got his degree in computers and website design. He loved working on computers and as it turned out, he was pretty good at it. Dale would later take over as the webmaster for the Superstition ARC.

In recent years, Dale lost his sister and brother and began to go into deep depression. He lived alone and had no family here in Arizona. He got divorced long before I ever met him. He has two daughters in Omaha, Nebraska where he is from originally. He was never really close to either of them although he spoke with one of them weekly.

Dale would often call me just to have someone to talk to about his life. He spoke to me recently about his depression and how he would think about just ending his life. I would stay on the phone with him and talk as long as he wanted. I would tell him that there are not that many good people like him around this world anymore and he has more caring people than he thinks. At the end of the call he would be feeling a little better about life; we would tell jokes and talk about the past we have had. I knew that his spirits had been lifted a little. I told him he could always call me when he was feeling down. If a week would go by and I did not hear from him, I would give him a call to see how he was doing.

On October 9th, Dale was taken to the hospital with severe pneumonia and COVID-19. He passed away on Friday, October 22nd at 10:09 a.m. with a nurse by his side. His heart slowly stopped and he passed peacefully in his sleep.

Dale, you were not only a great person, but you were like a father or brother to me and I will always remember your great personality and attitude towards life. Even though you struggled with living at times, you found your spirit and knew that God would take care of you.

Rest in peace my friend. Until we meet again, I bid you a final 73.

Superstition SuperFest Saturday, December 4, Superstition Springs

The 2021 Superstition SuperFest is located at the

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Superstition Continued from Page 16

Superstition Springs shopping center off of US 60 and Power Road, Exit 188 in eastern Mesa. The club is selling tickets online at SuperstitionSuperFest.org, at \$2.00 a pop. You need not be present to be eligible to win. The tickets are selling quickly.

The hourly drawing tickets are available at the club booth for a dollar apiece. You must be present at the drawing for these prizes.

Please look for our flyer in this ADAW, and check with the SuperFest website for more info.

No Club Meeting in December; Board Meeting Tue, Dec 14, 6:30 PM

The Board will meet via ZOOM. We encourage 2022 Officers and Directors to attend this meeting, to get a running start in the new year. If you wish to attend, please email the President@superstitionarc.org at least 24 hours in advance to request the link.

January Club meeting & Junque Auction in Chandler

The January meeting will be held at St. Katherine's Greek Orthodox Church, 2716 N Dobson Rd, Chandler. This facility can more easily facilitate our Junque Auction. The church is just south of Elliot Road on your right, coming from Mesa. Date and Time is Tuesday, January 18, 2022 at 7:00 PM.

Visitors are Encouraged to attend.

The meeting will also be on ZOOM for those who cannot attend in person. Club members will receive the ZOOM link via email from the club.

Visitors: Please email the President@SuperstitionARC.org at least a full day in advance for the link.

I will have more details for you in the January ADAW, due out before Christmas.

Club publication Article Submission deadlines:

ADAW: Please submit information to this column by the 5th of this month, for next month's issue, to WB7C@SuperstitionARC.org. ADAW will publish later this month.

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

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



ADAW



"It is with sadness that Kachina ARC reports the lost of Tara Haws, KI7KLJ due to medical issues. Tara was a wonderful writer, club member, and most importantly, friend to everyone. We, the club, hope to continue submitting monthly entries in future issues of ADAW."

Thanks Chris!

73 Vince
KA7JOI@cableone.net

ADAW

- Superstition ARC Repeaters**
- 147.120 MHz(+) 162.2 Hz - Linked to 449.600 (-) (Analog Only)
- 449.600 MHz(-) 100.0 Hz - Linked to 147.120 (+) (Analog Only)
- 448.275 MHz (-) 100.0 Hz - Fusion
- WB7TJD-L Echolink Node
- Club Nets**
- Morning Drive Time Net:** Mon-Fri, 7:00-8:00 AM - Trivia
- Saturday Supershow:** Sat, 8:00-9:00 AM - Trivia
- Weekly 6 Meter Sideband Net:** Wednesdays, 7:00 PM on 50.140 MHz, W7ASL-L EchoLink, and 145.575 FM Simplex
- Club Net:** Wednesdays, 8:00 PM - Discussion, Elmer Q&A.
- Mesh Information Net:** Thursdays, 7:00 PM - Net control Steve, KB7KWK
- Fusion Confusion:** Monday & Friday, 8:00 PM - 448.275
- 10-Meter Rag Chew:** Thursdays, 8:00 PM, 28.465 MHz USB
- Club Membership** is open to anyone with an interest in Amateur Radio. Visit: <https://superstitionarc.org> for more information.
- Superstition SuperFest**
- The Superstition SuperFest is held on the first Saturday of December. Visit www.superstitionsuperfest.org for the latest information.



The Yavapai Amateur Radio Club 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

YARC is an ARRL Special Service club. We provide communications for several community events each year. 2021 is over, and we are looking forward to next year's bike races, walks, and marathons. Our volunteers are always ready.

One sad note to report is the passing of Sandy Pemberton, wife of long time member Terry Pemberton KB7TRE. A memorial service was held on Saturday, November 20, at Prescott Life Church.

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. Other nets we conduct are:

- Wednesday Night FM Net 7PM
- Friday Night 6 meter FM Net 7PM
- Saturday Coffee FM Net 9AM

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

December 2, 2021 is our regular club meeting night, which is being pre-empted by our club banquet. Kathy Laing KJ6KMK has planned a BBQ dinner at our Freeman Building location. Dinner tickets are \$15 in advance. Sorry, we cannot accept walk-ins.

Our license test sessions have been very successful and well attended. Our next and last session for this year will be on December 4, 2021. Pre-registration is required at www.w7yrc.org/arrl-vec/. We require registration ahead of the test sessions because of the variability of dates due to outside factors. Time and place of testing can be changed without much warning. For test dates in 2022, please check our website, or the ARRL exams page on their site.

Much looked for during the past year have been license classes, and we happily report that they are back. Check for schedules on our website, www.w7yrc.org

YARC is one of the largest and most active amateur radio clubs in the southwest. Our home is in beautiful Prescott, Arizona, at an elevation of 5400 ft. When things return to normal why not join us for one of our regular club meetings. All the info will be on our website, www.w7yrc.org.

Remember - BE RADIO ACTIVE !

The 2021 OVARC HAMFEST was a huge success. There are so many people to thank but I want to start by thanking all of you who drove out to the Marana Middle School for our event. Many of you drove a few hundred miles and I am so grateful that you came.

Thank you to all of the OVARC members that contributed their time and talent to plan the event. A special THANK YOU to our HAMFEST Chairman BEV – WB7BEV who did all of the heavy lifting. Thanks to FRED – W2HZ who dedicated two years of his own time rounding up various donated items for the benefit of the club. Thanks to our Master of Ceremonies HOWARD – KC7AC for keeping us on track with our raffles along with his support team Tom – W7TRA and Mike – K7VTT. Thanks to ANDREAS – W1IXQ for single handedly checking in over 300 people at the pedestrian gate, Carl – KB7AZ for planning and running the seminars and David – AK2L for running the VE Testing. Thanks to ROGER - K7ROG for supplying and running the PA system and HANNA - KG7TPD for all of her attention the work behind the scenes. Thanks to Steve for supplying tables and chairs for the food area. Thanks to DAVID – AK2L and LOGAN – KE7AZ for hours of their time in planning the event and their assistance with the donated items. Thanks to our pricing team: Dave – KC7AA, Gary – KT7AZ, Tom – W7TRA, Jim – W5ZIT, Carl – KB7AZ, and Gary – AE7GP. THANK YOU ALL!

73 – Steve, W1SR

ADAW



December 26 - January 1

ADAW

No Reports Received



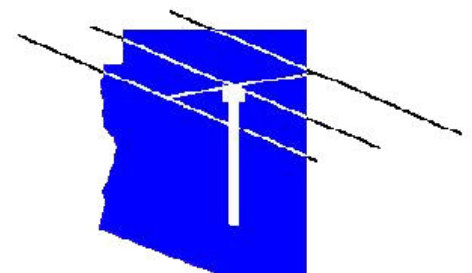
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SHORT SKIP



CHAPTER 16

BARRY M. GOLDWATER ARIZONA CHAPTER



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FTDX101MP | 200W HF/50MHz Transceiver

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



FTDX10 | HF/50MHz 100 W SDR Transceiver

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



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

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



FTDX101D | HF + 6M Transceiver

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



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

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



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

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



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

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



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

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



FTM-400XD | 2M/440 Mobile

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



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

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



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

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



FT-65R | 144/430 MHz Transceiver

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



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

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



- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE - Toll-free phone hours 9:30AM - 5:30PM
- FAX - All store locations
- ONLINE - WWW.HAMRADIO.COM
- MAIL - All store locations



HRO Phoenix is the home for all your Ham Radio gift giving needs. We also have Gift Certificates to make your Holiday shopping easier. Thanks for making 2021 a great year and we look forward to seeing you in 2022.

For your last minute shopping, we will be open on 12-24 and 12-31 from 10am to 3pm.

(We will be closed on 12-25-2021 and 1-1-2022.)

Happy Holidays from all of the staff at HRO Phoenix.

Now serving you at our Phoenix store:

Manager Ron AJ7T, Mike K7DD, Bob W8RH, Richard K1RAB, Ira AI7HC, Jim KE7EU and Cregg.