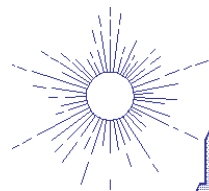


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



Happy January 2021



ADAW

Arizona Desert Aire Waves

Vol 46, No 1

January 2021

CLUB MEETING SCHEDULE

SARC

Jan 6th - 7:00 PM
On Line

YARC

Jan 7th - 7:00 PM
Via Zoom

CADXA

Jan 7th - 7:00 PM
via ZOOM

MARCA

Jan 21st - 6:30 PM
TBD Check Web Site

AARC

Jan 14th - 7:00 PM
TBD

TBARC

Jan 21st - 6:30 PM
Via Zoom - See Website

ARA

Jan 28th - 7:30 PM
Electronically

MARA

Jan 2nd - 9:00 AM
On-Line

ARCCC

Jan 12th - 7:00 PM
Via Microsoft Teams

SuperstitionARC

Jan 19th - 7:00 PM
Via Zoom-Repeater-Echolink

ANSR

Jan 21st - 7:30 PM
via GoToMeeting

OVARC

Jan 15th - 7:00 PM
Via Zoom

ATN (VOAR)

Postponed
www.whereby.com/atn1

SunLifeARC

Every Monday - 10:00 AM
Via Zoom

MMRG

TBD
See Web Site

WVARC

Jan 4th - 7:00 PM
Via Zoom

CHRC

Jan 9th - 9:00 AM
On-Line

KARC

Jan 12th - 6:30 PM
New Hope Christian Fellowship

AMO

Jan 14th - 7:00 PM
Charles K Luster Bldg

QCWA-AZ Chapter

TBD
Phoenix/Prescott/Tucson

CARL

TBD
Check Web Site

ADAW Member Clubs

ARIZONA AMATEUR RADIO CLUB

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

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

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

SCOTTSDALE AMATEUR RADIO CLUB, INC.

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

President	James Wasson	N7ELL	480.456.1154
Vice President	Ray Vasquez	K4RMV	
Secretary	Mike Childers	K7URK	
Treasurer	Douglas Mitchell	W7ADD	
Past President	Paul Finell	W7EFQ	602.741.6563
Board Members	Irv Hembuck	K0OTZ	
At-Large	David Yee	N7AJR	
	Bill Kouchis	N9EIV	
	Jim Dye	AG7AU	
	Paul Finell	W7EFQ	
	Chris Schweiger	NE7EE	
	Bruce Harmsen	KA9EYX	

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

ARIZONA NEAR SPACE RESEARCH

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

President	Stephen Thomas	KE7TLS	iamgadget1@yahoo.com
Vice President	Clayton Jacobs	KJ6QJS	
Secretary	Steve Miller	W6SDM	
Treasurer	Bill McLean	K7WWM	bmclean1@gmail.com

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

THUNDERBIRD AMATEUR RADIO CLUB

The Thunderbird Amateur Radio Club meets the **THIRD THURSDAY** of each month at 7:00 p.m. at North Phoenix Campus of Northern Arizona University located at 15451 N. 28th Avenue (near I-17 and West Greenway Road). The meeting is held in room 147. See the website (<http://w7tbc.org>) for a map and more details.

President	Charles Loftus	KG7KRN	president@w7tbc.org
Vice President			vicepresident@w7tbc.org
Secretary	Andrew Cornwall	KF7CCC	secretary@w7tbc.org
Treasurer	Walt Reinert	NJ8G	treasurer@w7tbc.org
Directors	Chuck Erickson	K7CAE	k7cae@w7tbc.org
	Jeff Rogers	KD7PYE	kd7pye@w7tbc.org
	Clair Wyant	KG7MAJ	kg7maj@w7tbc.org
	Rick Tejera	K7TEJ	k7tej@w7tbc.org
Past President	Brian McCarthy	AK7F	ak7f@w7tbc.org

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

AZ RED CROSS COMMUNICATIONS CLUB

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

President	Charlie Zurenko	N2TFS	
Vice President	Mark Steele	KI7RB	
Secretary	Saroj Gilbert	KM6BQD	
Treasurer	Doug Bessemer	K0VPL	
Past President	Peter Petrotta	KD7QIW	

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

MARICOPA AMATEUR RADIO ASSOCIATION

The Maricopa Amateur Radio Association (MARA) meets the **FIRST SATURDAY** of each month at 9:00 a.m. at Maricopa PD Community Room, 17985 N Greythorn Dr. in Maricopa.

President	Curt Steger	NA7CS	president@copahams.org
Vice President	Wayne Kropp	KI7SPW	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:	David French	N7FAN	david@copahams.org

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



ADAW Member Clubs

BARRY M GOLDWATER, ARIZONA CHAPTER QUARTER CENTURY WIRELESS ASSOCIATION

The Barry M Goldwater Arizona Chapter of the QCWA includes amateurs from all over Arizona. Monthly meetings are held in various parts of Arizona. The schedule is as follows:

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

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

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

The AZ Chapter meets on the air every Sunday morning at 0700 MST (0730 during December and January) on 3890 +/- QRM. During December and January, the net time is moved to 0730 MST.

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

Web Site: <http://azqcwa.org> Email: azqcwa@gmail.com.

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

MINGUS MOUNTAIN REPEATER GROUP

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

President	Bob Sitterley	K7POF	928.636.2146
Vice President	Ray Tyrrell	N6MY n6my73@gmail.com	
Treasurer	Bob Sitterley	K7POF	928.636.2146
Secretary	Lori Cripps	WA7EDI	602.955.7517
Board Members:	Gary Hamman	K7GH	
	Butch Merrill	K7JOG	
	Jerry Roberts	KB7CN	
	Ken Rasback	KK7KEN	
	Tom Raczykowski	N7MMC	

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:

Lance Halle, KW7LH	kw7lh@w7ara.net
Dennis Bietry, KE7EJF	ke7ejf@w7ara.net
Doug Pelley, WB7TUJ	wb7tuj@w7ara.net
Joe Godfrey, AE7JG	ae7jg@w7ara.net
Dennis Campbell, AE7WU	ae7wu@w7ara.net
Mike Montalvo, KF7MBK	kf7mbk@w7ara.net
Marty Dusenberry, KE7DGP	ke7dgp@w7ara.net
James Wasson, N7ELL	n7ell@w7ara.net

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

SUPERSTITION AMATEUR RADIO CLUB

The Superstition Amateur Radio Club meets the **THIRD TUESDAY** of every month (except December) at 7:00 p.m. at the Charles K Luster Building, 640 N. Mesa Drive (near N. Mesa Drive & E University Dr.) in central Mesa. Visitors are Encouraged. The Officers and Board of Directors meet the second Tuesday of every month (except December) at 6:30 p.m. at Black Bear Diner, 1809 E. Baseline Road (near Gilbert Rd & E. Baseline Rd.) in Gilbert.

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

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



ADAW Member Clubs

MARCA, Inc. / W7MOT

MARCA is an Arizona 501(c)(3) Non-Profit organization. The club call sign in W7MOT. Membership is open to all amateur radio enthusiasts. Meetings are held the **THIRD TUESDAY** of each month at 6:30 p.m. at Denny's Restaurant located at 825 S 48th Street in Tempe (SE corner of University & 48th Street). Monthly presentations cover a broad spectrum of interesting subjects. Visitors are welcome to attend. Come early for dinner and 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	Dave Hall	N7ZPY	
Vice President	Norm Johnson	AA7OO	480.278.2886
Treasurer	Don Aldridge	WA7RLL	
Board Member	David Yee	N7AJR	
Secretary	Open		
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. (except for January Awards Banquet) at the Granite Reef Senior Center, 1700 N Granite Reef Road in Scottsdale. The May meeting is a BBQ dinner starting at 6:00 p.m., paid reservations required. Visitors always welcome. See www.cadxa.org/meetings.html for a map.

President	Larry Loen	WO7R	lwloen@gmail.com
Vice President	Mike Fulcher	KC7V	kc7vmike@q.com
Secretary	Bob Davies	K7BHM	k7bhm@cox.net
Treasurer	Mike Wright	N7MW	n7mw@aol.com
Past President	Lee Finkel	KY7M	ars.ky7m@gmail.com
Board Members	Fred Hoffert, III	NA2U	cwman1@aol.com
At-Large	John Jolly	N7NWL	wa7nw1@gmail.com

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



YAVAPAI AMATEUR RADIO CLUB

The Yavapai Amateur Radio Club meets the **FIRST THURSDAY** of every month at 7:00 PM in the Freeman Building at the Prescott Rodeo Grounds located at 840 Rodeo Drive in Prescott (visit web site at www.w7yrc.org 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	Bill Noe	WG7W	president@w7yrc.org
Vice-President	John Snedden	KT7P	vice_president@w7yrc.org
Secretary	Tim Norton	K7PVY	secretary@w7yrc.org
Treasurer	Sam Prather	K7SCP	treasurer@w7yrc.org
Board Members	Kathy Laing	KJ6KMK	kj6kmk.yarc@gmail.com
	Sandy Meadowcroft	KF4JHC	sandymeado2@yahoo.com
	Dave Erlach	W7VXS	rocketdog@dslextre.com
	Mike Reid	N7IEP	mdr126@gmail.com
	John Laing	K7PRS	

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

ORO VALLEY AMATEUR RADIO CLUB

The Oro Valley Amateur Radio Club meets the **THIRD FRIDAY** of each month at 7:00 p.m. at Ascension Lutheran Church located at 1220 W Magee Road in Tucson. (December is annual Christmas Party). Visitors are VERY welcome. Board Meetings are held at 9:00 a.m. at the Ascension Lutheran Church located at 1220 W Magee Road in Tucson. Check the web site at www.tucsonhamradio.org for dates.

President	Steve Wood, W1SR	W1SR@arrl.net
Vice-President	Mike Peterson K7VTT	azmacguru@gmail.com
Secretary	Logan Zintsmaster KZ6O	kz6o@arrl.net
Treasurer	Hanna Eckert, KG7TPD	haneck@aol.com
Board Members	Fred Bresani W2HZ	
	Hal Long N7BAZ	
	Gary Pierce AE7GP	
	Marnee Dearman KG7SIO	
	Tom Ambler W7TRA	

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

CHANDLER HAM RADIO CLUB

The Chandler HAM Radio Club (call sign N7CHN) meets the **SECONDSATURDAY** of each month at 9:00 AM at Tri-City Baptist Church, 2211 W Germann Road, Room #180 in Chandler (very back of parking lot). Visitors are welcome. Check the web site at chandlerhams.org for dates and presentation topics of club meeting. Weekly net is held every Thursday at 8:00 PM on 443.050+ PL100.

President	Gary Laatsch	KI7PBR	pres@chandlerhams.org
Vice President	Norm Fasoletos	K7NWF	vp@chandlerhams.org
Secretary	Mary Stephen	AE6Q	sec@chandlerhams.org
Treasurer	Byon Garrabrant	N6BG	treas@chandlerhams.org

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

ADAW Member Clubs

CENTER FOR AMATEUR RADIO LEARNING

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

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

Board Members:

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

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

AMATEUR TELEVISION NETWORK

The Amateur Television Network (ATN) promotes video operation on linked repeaters and mesh networks. Business meetings are in January and July. Monthly social meetings are postponed due to the pandemic. Join us online at www.whereby.com/atn1 on Sundays at 7:00PM AZ time and Tuesdays at 7:30 PM CA 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	Fred Peters	K7WFP
Secretary	April Kramer	KI7GFJ
Treasurer	Doug Totel	K9RZ
Board Member:	Gary Franklin	K8BKB
	David "Cee" Putman,	W7DCP
	Krissy Larson	KI7GJJ
Past President	Pat Regan	KD7TFD
Committees:		
Membership	Krissy Larson	KI7GJJ
Technical Advisory	Frosty Oden	NQ1S
Equip. Donations & Sales		
	Ken Jenkins	WB6MMV
	or Jim Seay	WB7RBN

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

SUNLIFE AMATEUR RADIO CLUB

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

Nets:

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

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

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

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

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



ADAW Member Clubs

AMO - ARIZONA MESH ORGANIZATION

The Arizona Mesh Organization (AMO), a newly formed 501(c)(3) amateur radio club, meets the **SECOND THURSDAY** of each month at the Charles K Luster building, 640 N Mesa Drive in Mesa. The organization's goals are to support ARDEN MESH networks throughout the state of Arizona, explore new technologies, support emergency and public service communications, and (of course) to have fun along the way. AMO's purpose is to promote the education of what amateur radio mesh is, to support and exchange information with mesh users throughout the state, and to further the technology of mesh radio itself. Weekly AMO radio nets are held from 7:00 to 9:00 PM on the 1st, 3rd, and 4th Thursday evenings of the month on the Superstition ARC linked repeaters - 147.120 and 449.600 and the KB7KWK-L Echolink node. Visit the web site at <https://arizonamesh.org> for more information on the AMO Club and up-to-date news.

President: Steve Estes, KB7KWK president@arizonamesh.org
 Vice-President Gary Hinton, AC7R vicepresident@arizonamesh.org
 Treasurer: Scott Gillins, W2KP treasurer@arizonamesh.org
 Secretary: Michael Bailey, KI7LXY secretary@arizonamesh.org
 Board of Directors
 Dale Schmidt, N7QJK n7qjk@arizonamesh.org
 Heidi Brewer, K7ZAE k7zae@arizonamesh.org
 Paul Lowe, N7NLY n7nly@arizonamesh.org
 Robert Fridell, N3BZ n3bz@arizonamesh.org
 Rodney Fritz, WB9KMO wb9kmo@arizonamesh.org

Arizona Mesh Organization Inc, 7939 E Golf Avenue, Mesa, Arizona 85209. DUES: Full Membership \$25.00 per year. Visit the AMO web site for more information on membership. Web Site <https://arizonamesh.org>

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



ADAW

ADAW Staff

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



AMATEUR RADIO SERVICE DEMONSTRATION STATION

W7ASC is a Demonstration Station for the Amateur Radio (public) Service. The volunteers who operate the station are members of the Center for Amateur Radio Learning (C.A.R.L.), a 501(c)(3) corporation. Pre-pandemic, W7ASC was open to all who visited to the Arizona Science Center (ASC). 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.

The COVID-19 virus has forced ASC to limit availability, so W7ASC is not currently open. It will probably not reopen until ASC operation returns to normal availability. Keep watching the ASC website for their most recent announcements.

(NOTE ON WEB SITE: W7ASC.ORG - At the time that this newsletter is being drafted, the website is not available.)

Happy HAM New Year - may it be better than 2020!

WILL HAM RADIO SURVIVE?

That is not an idle question. Ham radio’s existence has been challenged more than once. In its early days, the Amateur Radio Service was relegated to frequencies that were thought to be of zero value. There is a great book published by ARRL entitled 200 Meters and Down. That book documents the attitude of politicians about a group of radio experimenters. To some extent, that attitude still persists.

There was a time shortly after WW II when there was a fee charged for the issuance of a Ham license. The FCC at the time did not see any reason to differentiate between commercial licensees and Ham radio. At that time, Congress saw the situation in Ham radio’s favor, so those fees were returned and Ham licenses ever since have been issued at no charge. There were members of Congress who, once reminded, recognized that Ham radio operators were a valuable national resource, especially in time of war.

That time has passed. Spectrum has become commercially valuable. The military no longer depends upon ham operators wearing headphones hunched over Morse code keys. In terms of public perception, we seem to be fading into invisibility. In a political environment, visibility and perception cannot be ignored. Hams are not very good at either.

Newer technology has widened the gap between the average citizen and the Ham operator. As we became a less

CARL Continued from Previous Column

visible part of our communities, spectrum space became more valuable. A recent rumor, if true, is that there is a move afoot to charge, again, for Ham licenses. We are lumped in with all spectrum users, not a good sign. Our image as servers of the community has apparently faded.

We are aware that many Hams work very hard in order to be ready for emergencies. Equipment is purchased and tested. There are drills and simulations. These preparations are included in the work of first responders and organizations such as the Red Cross, Salvation Army and government agencies such as Police and Fire. We know it. The agencies know it, but does the general public or the politicians who control our survival?

When disaster strikes, and we have had more than our share recently, do the news reports ever mention the contribution to recovery that Hams contribute? QST does a reasonable job of reporting, but QST is published long after events have happened and QST is not usually even seen by the non-Ham public. I have never heard Ham radio mentioned on the TV news, even though there has been some great coverage of storms and fires where Hams have been providing critical communication support. Not to take away from the attention given to other responders, but Ham radio operators deserve at least a mention.

You have probably heard the old puzzle “If a tree falls in the forest and no one hears it, can that be considered to be a noise?” If Ham operators are providing a public service, and no one (except those Hams) knows about that service, is it really a service? We really need to do better or before long there will no longer be any space in the spectrum for Ham radio.

Since W7ASC is not operating and will be closed until the virus has been conquered, the team of volunteers who have kept that popular destination going for so long needed some way to hold the team together. So, the CARL board of directors have been operating a biweekly net on the 440.375 MHz repeater that is located on South Mountain. Although the core group of Hams who check into this net are W7ASC volunteers, the net welcomes any Ham. Tune in at 0900 MST each Wednesday and Saturday. There is no special agenda except the desire to foster the sense of community during these times of physical isolation. **NO MASK REQUIRED!**

We do want to recognize Steve WB4ZSC who now shares the spotlight as a coauthor of these newsletter updates from CARL. Thanks, Steve!

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

73 de W4CIH Jean 480-664-7535

joljean@yahoo.com - (NOTE: new email address).

Continued Next Column

ADAW



For Sale / Wanted



**LOOK!
Great Deals!**

For Sale

A Merry Christmas to all from the Arizona Amateur Radio Club.

It has been an unusual year as we put on our masks and try to avoid crowded situations, but hopefully 2021 will put an end to this craziness. Instead of our usual Christmas Party, as our December meeting we met as a net that evening and shared remembrances of past Christmases.

The VE testing, which is scheduled for Saturdays, December 26 and January 30, remains on schedule. Testing will be at the American Red Cross Building at 10:00 AM. Those wishing to take a test must contact Gary, K7GH, at least by the Thursday before the session.

The AARC still has its club net each Thursday evening at 7:00 PM except on the second Thursday of the month when we have our monthly club meeting, which is now also a net until we can safely meet in person again. Join us on the 7:00 PM weekly club net. We thank Lee Walters, W7UXZ, for allowing us to use his repeater for our weekly club net on 147.060. Usually no PL tone is required. We also have an Echolink connection for the net. If you prefer to check in or listen via Echolink, connect to W7IO-R or K7GH.

73,
Lori, WA7EDI

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

70CM Yagi - 70 CM Yagi, KLM model 440-16X. Gain 14.0 dBd, Broadbanded 420-450 MHz. Boom length - 10 ft, 3 in. \$70 including manual.

Contact Erik Basilier K7TV at ebasilier@cox.net

11.0/13.5 KW 120/240 V Predator Generator

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

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

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



ADAW



Hamfest Calendar

9 January 2021 - **Thunderbird Hamfest** - hosted by the Thunderbird Amateur Radio Club. **POSTPONED** Visit [www.thunderbirdarc.org](#) for details

19-20 February 2021 - **Yuma Hamfest** - hosted by the Yuma Amateur Radio Hamfest Organization. Yuma County Fairgrounds, 2520 E 32nd Street in Yuma. Visit [www.yumahamfest.org](#) for information. Watch for more details. **CANCELED**

27 March 2021 - **RST Tucson Spring Hamfest** - hosted by the Radio Society of Tucson will be held at the Target Store, 9615 E Old Spanish Trail in Tucson. Hours - 7:00 AM - 11:00 AM. Set up begins at 6:00 AM. Free Admission and Buyer Parking. Tailgate Spaces \$10 per Parking Space. Free VE Testing at 9:00 AM to 11:00 AM - GOTA Station - QSL Card Checking - Prizes. Morning Snacks Available for Purchase. No Alcohol, Drugs, or Firearms. Talk-In Frequency 146.800 FM Tone 156.7. For Information & Map, visit <http://www.k7rst.org>

1 May 2021 - **Cochise Hamfest and 7th Region Communications Exercise** - hosted by the Cochise Amateur Radio Association will be held at the club site, 2756 South Moson Road in Sierra Vista. Gates open at 7:00 AM. Free Admission and Parking. Tailgating - \$5. Inside Table - \$10. VE Testing from 9:00 until 11:30 AM. Coffee, Pastry, and Drinks Available. Hourly Prizes with Main Prize drawing at 12:00 Noon. Talk-In on 146.76(-) PL 162.2 Hz.

25 September 2021 - **RST Tucson Fall Hamfest** - hosted by the Radio Society of Tucson will be held at the Target Store, 9615 E Old Spanish Trail in Tucson. Hours - 7:00 AM - 11:00 AM. Set up begins at 6:00 AM. Free Admission and Buyer Parking. Tailgate Spaces \$10 per Parking Space. Free VE Testing at 9:00 AM to 11:00 AM - GOTA Station - QSL Card Checking - Prizes. Morning Snacks Available for Purchase. No Alcohol, Drugs, or Firearms. Talk-In Frequency 146.800 FM Tone 156.7. For Information & Map, visit <http://www.k7rst.org>

30 October 2021 - **Copafest** - hosted by the Maricopa Amateur Radio Club will be held at The Ultrastar at Ak-Chin Circle, 16000 N Maricopa Rd in Maricopa. Hours are 7:00 AM until 1:00 PM. Admission Donation is \$5.00 per person. Spaces are \$10.00 for two parking spaces. Setup begins at 5:00 AM. Balloon Launch, VE Testing, Card Checking, Vendor Exhibits, Seminars, Prizes and more. Many activities available in the Multitainment Center including laser tag, bowling, movies, games, dining and more. Dining and Hotel also available. For information, email fest@copafest.org or visit the website at www.copafest.org.

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



HELLO ALL,

The club has been busy getting ready for the new year.

The Superstition club had good success with its organ stop hamfest. I have heard many positive reports from it. Apparently they sold out of Grand Prize tickets

Activities for SARC are improving with the Tuesday evening NET. We are getting more check ins with a number of visitors and new members. SARC is adding one of its popular activities back into the program. This is the HIP (Ham in the Park). With the meeting being outdoors it is easy to follow the COVID-19 regulations - maintaining the 6-foot gap between individuals and wearing the masks. For your information, the next meeting is December 18, 2020, followed by January 8, 2021. The time is 10:00 AM and location is the SE corner of Thomas Rd. and 86th Street. See you there. The schedule until the HOT!! returns to us will be available at future meetings of HIP.

The sun spots continue to be improving with bands including 10M being open for working skip communications.

The new ham I have been helping, passed his Technician and General a couple weeks ago. Please congratulate David Jensen, KJ7SOM and help him continue.

Our club is having better participation with our Tuesday night and in our monthly meetings. Please join in with meeting our fellow members by adding more subject matter to the meetings.

73's

Paul W7EFQ

ADAW

SARC CONSTANTS:

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

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





Election results are in!

I think we're all sick of hearing about elections this year, but the ballots for TBARC have been counted and confirmed correct. The results are:

President: Charles Loftus KG7KRN

Vice President:

Treasurer: Walt Reinert NJ8G

Secretary: Andrew Cornwall KF7CCC

Director (2021-2022): Chuck Erickson K7CAE

Director (2021-2022): Jeff Rogers KD7PYE

Not elected, but remaining on the board from the last election are our 2020-2021 directors:

Director (2020-2021): Clair Wyant, KG7MAJ

Director (2020-2021): Rick Tejera, K7TEJ

In addition to the board, this year we voted on constitution and bylaw changes. These changes were approved. In essence, the changes mean that in the future, you'll be electing directors only, and the directors will appoint the president, vice president, secretary and treasurer from within themselves. They also add the club station trustee as a board member.

Have you thought about leading?

You might have noticed a blank space above. Who's the Vice President for 2021? Since nobody ran for the position, it's empty as I write this - but the first duty of the incoming president will be to identify someone who can take on the role. Only then will the board be able to start doing things.

And after that, among the first things the board will do is fill the committee chair positions. Membership, education, emcomm and more will be looking for enthusiastic people.

Today I'm speaking direct to you: yes, you've got what it takes. Yes, you can do it! Drop us a line (info@w7tbc.org) and we'll get you in there so you can start blowing people away with how awesome you are!

No hamfest in January

The board deferred the hamfest from January to later in the year. That was a huge decision, which some have compared to stopping an aircraft carrier: you don't do it lightly. But as I look today at the numbers for COVID-19, that seems like it was a prescient move. We're still planning to have a hamfest in 2021, and hope you'll be able to join us and meet with friends

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CARL Continued from Previous Column

when social gathering is more encouraged - just not in January. We'll keep you up-to-date and let you know when we have a date locked down.

Annual membership drive is underway

The annual membership drive started in October - and a big thank you to the vast majority of members who have renewed already! If you're not in that group yet, the solution is easy: head over to w7tbc.org and click on the link that says "Renew Your 2021 TBARC Membership Today." If you're not a member yet, that's easy to fix too: just go to w7tbc.org and click on "Become a Member Today." It really doesn't matter which one you click: they both take you to the same spot. From there, click on the link that applies to you and the happy robots at PayPal will be more than willing to sign you up!

Still virtually hanging on . . .

We've all had enough of this pandemic thing - now someone just needs to convince the virus to give up. I'm hearing good things about an upcoming vaccine that will stop it in its tracks. Once it's over and we're back to meeting in person, I'll personally hug everyone I can. (Well, only if you want it - I don't want to discourage membership!) Until then, our meetings will be virtual. See you on Zoom - the meeting link is on w7tbc.org!

Andrew Cornwall KF7CCC
kf7ccc@arrl.net

ADAW



*Martin Luther King, Jr. Day
January 18th*

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.

January Test Sessions

Jan 2nd - CHRC Laurel VE Team -- 10:00 AM

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

Jan 5th - PV Ham Study Group -- 6:00 PM

Trinity Lutheran Church, 3950 N Valorie Dr, Prescott Valley
Contact - J M Scherfling 928.632.2050
No Walk-Ins / Register or Call Ahead

Jan 2nd, 9th, 16th, 23rd, 30th - NOMADS -- 9:00 AM

Venture Out RV Resort, 5001 E Main St, Mesa
Call or Email Team to Schedule a Test/On Demand Testing
Contact - Robert Bingham 480.404.1408
No Walk-Ins / Call Ahead

Jan 11th - Radio Society of Tucson -- 7:00 PM

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

Jan 2nd - K7ARC VE Team -- 9:00 AM

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

Jan 23rd - 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

Jan 5th - ARRL Ham Radio Exams

Prescott Christian Church, 501 S Senator Hwy, Prescott
Contact - J.M. Scherfling 928.632.2050
No Walk-Ins / Register or Call Ahead

Jan 30th - Arizona ARC -- 10:00 AM

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





Public Service Calendar

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Arizona Emergency Net - Maricopa Picnic	Payson, Houston Mesa Campground, Fox 2 Group Site	05/15/2021
ADA Bike Rides	North Phoenix	10/23/2021
Auxcomm Interest	TBD	12/31/2021

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

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

Due to the ongoing situation with COVID-19, the January meeting will be held virtually using Zoom. Meeting invitations will be sent to members via Groups.io and Slack a few days before the meeting. For anyone else who wants to attend, send an email to cadxa@cox.net. **The meeting will be Thursday night, January 7th, starting at 7:00 p.m.** You can begin checking in at 6:30 p.m. and visit informally with other club members on Zoom until the meeting starts. **Please turn off your computer camera and microphone when the meeting starts.**

January would normally be our Annual Awards Banquet, but not this year due to the pandemic and our inability to meet in person to share a meal and visit with friends. Nevertheless, we have important annual club business to conduct at this meeting – installation of the 2021 CADXA officers and directors and announcement of CADXA award winners. We will keep the Zoom channel open following the meeting so you will have time to congratulate the award winners and to visit longer with your friends.

The January program will be “6070 DXpedition to Somalia” by Ken Opskar, LA7GIA. Ken was in Somalia in September 2019 for a trip planned, in part, to be a fund raiser for Sabona, a Norwegian organization that funds education and meals for children in Africa. Ken got into amateur radio during his university studies in Trondheim, Norway and was first licensed in 1992. He was active in the club station LA1K between 1991-1995 and was also QSL manager. He moved to Oslo in 1996 after completing his studies. He enjoys CW DXing, DXpeditioning, contesting and operates on all bands 160-6m, mostly on CW with some digital and, if needed, SSB to catch a new slot or mode. He is a board member of the LA DX group, the European DX Foundation (EUDXF), INDEXA member and CWOps #1888. In 2017 he received the W6OL CW award for Excellence in DXpedition CW Operations from NCDXF. He also received the Intrepid Spirit Award 2018 at the IDXC 2019 convention in Visalia.

The December program was “Radio Contesting from Bonaire” by Jeff Clarke, KU8E. Jeff has made multiple trips to the island of Bonaire, off the northern coast of South America, to operate as PJ4A in the CQWW DX CW Contest. He explained and showed pictures of the evolution of the station in Bonaire since his first trip there in 2007. You can see Jeff’s program on YouTube at <https://www.youtube.com/>

Continued Next Column



January 20, 2021

CADXA Continued from Previous Column

[watch?v=Mb5NZQH0HLO&feature=youtu.be](https://www.youtube.com/watch?v=Mb5NZQH0HLO&feature=youtu.be)

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

See you on Zoom for the January meeting.

73,
Larry Loen, WO7R
CADXA President

ADAW



KARC Continued from Previous Column



Power and Antenna connections to the Repeater. The front of the Motorola MSR 5000 Repeater. The radio in the bottom of the cabinet is the 70cm Control Radio. It is a Receive Only radio. The panel with the lights in the center of the cabinet is the Repeater Radio. Above the Repeater Radio is the Repeater Controller and at the top where all of the cooling fins are is the Power Supply and RF Power Amplifier.



Randy W7RJB checking the power out of the Repeater.



The Tower where our antenna is located. Top to Bottom; K7EAR antenna, W7EH antenna, AD7W APRS antenna, Arizona Rangers antenna. There are also two 70cm Link antennas on the tower. Top is the link to Pinal from Greens Peak for the K7EAR machine, and the lower one is for the W7EH control radio.

Jumping Crickets! January 2021 is here!

Hello everyone from the Kachina Amateur Radio Club!

December blew in some snow for us up here, and we were mighty glad to receive it. People were still hopping around working on their radios to get a better signal. In November, we all hit a big stumbling block in that effort. Towards the end of November, our W7EH Repeater went down, but if it was going to do it, weather wise, the timing was great. There wasn't snow up there to create any difficulties in gaining access up on top when the trip was made up there. In December the issue was remedied and we were up and running again. Our helpers for this round of work were Randy Beecroft W7RJB, Bill Turley KJ7GYH and Mike Elders AD7W. The Repeater was replaced and we were up and running again. Thank you for the work and time. We'd like to thank Jerry Wyatt N7QVU, for allowing the Green's Peak Repeater Net to use his N7QVU Repeater until ours could be attended to, and to Mike Elders AD7W, for the use of his Bridgecom Repeater that we had been using. Thank you, Mike, for the use of the radio and the service that you give the Kachina Club. Mike is also the Club Call Sign Trustee.



Bill KJ7GYH connecting the Duplexer and Control Antenna cables to the Repeater Cabinet



Continued Next Column

Continued on Page 14

More news from up here, we'd like to give many thanks to our outgoing Kachina Club Presidency Members that served us well this past year: President Randy Beecroft W7RJB, Vice President Jim Mortensen, Secretary Marie Mortensen N7SKS, and Treasurer Dennis Wilkes W7DRW. We thank you all for keeping us up and running! We welcome in the new Presidency: President Jim Mortensen W7AZY, Vice President Bill Turley KJ7GYH, Secretary Marie Mortensen N7SKS, and Dennis Wilkes W7DRW. We thank you all for your service, past and present. We hope all the clubs have a great New Year with their new officers as well.

As for our last Test Session, it was held on December 5th at the Fire House in Taylor, THANK YOU Taylor Fire Department, you're the BEST! Here are the results:

Phillip Sutton - KJ7SUH Technician

Guy Walters - KJ7RFT General

Congratulations to you all, well done!

In another area of Radio, there has been growing interest in the General Mobile Radio Service (G.M.R.S.). There has been an increase in those attaining their license for it and getting on the Air that way. You'll not be bored when you dive into the world of Radio, there are so many tributaries from the mainline that you are currently using, more questions and knowledge and friends await just around the next adventure of a different mode of operating. Don't limit yourself, ask questions and check things out for a new field in Radio! Take your turn at taming the Airwaves for your use and benefit, as well as for your friends, families and Communities.

This year has been a wild one for sure. Some things that have come to pass remind us of stories that we have heard from people not too many generations ago, not too far in the past, and certainly not forgotten. Similar thoughts and themes bubble up again, only dressed up in a different way, but still the same thought pattern is there. It reminds us that education, a good base-rock foundation will enable us to think for ourselves, identify those things of good worth and value and of great truth and light, will bring out the best in ourselves to overcome anything placed before us, individually and collectively.

On December 7th we were reminded of the attack on Pearl Harbor. If the current generations that are around you aren't acquainted with it, well, there is a good conversation to be had and time to spend together right there, amongst other stories of the past that teach resilience, morals, strength, endurance and the human spirit in general, no matter what your age, gender or circumstance may be. To have courage is breathtaking, because when you summon it up, whatever great thing you may be up against, it can take your breath away as you go forward in faith, hope, truth and light, in doing the right thing. Taking that first step can be nerve wracking, but you do it

anyway, hoping for the best and expecting the worst, you trod forward without knowing the outcome, but still hopeful.

A lot of people reach a certain point in their lives that they live it rhetorically, then something comes along and scrambles that up and then the active thinking becomes energized and engaged again. It can rattle our cage, and kind of being like our Radios. We get them all set up, mobile or the home station. Antennas raised, coax ran, batteries charged, test after test, tweak after tweak is made until it's just right. Loud and clear communication is sent out and received, all is well, rest comfortably at last and enjoy the Contacts we make. Then along comes a storm system and rattles the Airwaves, stirs them up, it swings our antennas around in the air. Harsh winds, heat, cold, moisture and critters put a big kink in the perfection we had previously attained! It's a challenge for sure, it keeps us talking and moving.

We hope December brought happy, warm smiles and many needed expressions of kindness to you and yours, whether in memory or in person. Get your biggest spoon out of the kitchen drawer, and your most clangiest pot or pan that you have and ring in the New Year right! Bang, hoot, holler, and yell whoopie at the top of your voice and let out all those built-up energies of everything you have felt this year, it's a pretty fun thing to do! Hello January, we're going to greet it with the best positive attitude we can within our circles and our part of the Airwaves! Keep up the good work, you're doing great things, and you have many more lives to touch and enrich. Keep your happy thoughts rolling as well as the smiles and laughter, we all need them and you!

Keep bending the Airwaves!

Take care and be well,
Tara KI7KLJ





Superstition Continued from Previous Column

First December Club Meeting in Recent Club History

The club has largely avoided December meetings because they would fall too close to Christmas Day and interfere with possible holiday travel plans. With our Christmas party canceled because of COVID-19 and our meetings online, plus having the earliest third Tuesday, ten days out from Christmas Day, I believe this may be the first-ever December club meeting in the club's history!

Superstition PizzaFest Results

Pizzafest 2020 was a huge success! We had approximately 200 attendees total. There were 23 tailgaters signed up to tailgate and only one no-show in space #13. The no-show was the ARRL Section Manager. (See picture below.)



PizzaFest Photos

A view of the parking lot and the attendance inside Organ Stop Pizza



Organ Stop Pizza reported 94 paid attendance for the pizza party and pipe organ concert.

There was plenty of space for everyone to socially distance and all in attendance seemed to adhere to mask wearing and socially distancing.

The club sold all 3500 grand prize tickets by 11:00 AM and over 170 door prize tickets were sold.

The club received lots of compliments from those who attended for the club's perseverance in finding a way to still hold a scaled down hamfest despite all the restrictions placed on us by state and local authorities this year.

The Superstition Amateur Radio Club would like to thank Organ Stop Pizza for its willingness to host this event.

Thank you to everyone who came out and helped make this event the largest and best hamfest in the last half of 2020 in Arizona.

(Andy, KD4ABB, 2020 Club President Reporting)

Club Publication Article Submission Deadlines:

For this ADAW column, please submit by 3rd of this month for next month. Publishes 24th of this month.

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

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

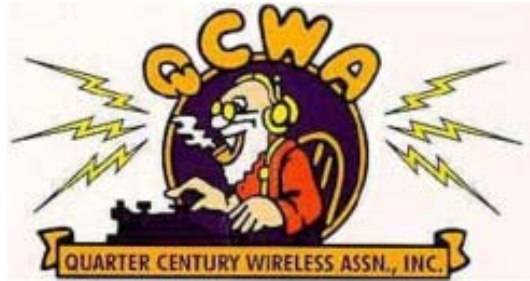
Club Meeting January 20, 2021, Tuesday, 7:00 PM

The first club meeting of the new year will be on Zoom. Members of the club will receive the link to join the meeting. Visitors are welcome, also. Just send an email to president@SuperstitionARC.org to request the link at least 24 hours in advance to be sure that you have access to the meeting online.



Continued Next Column

Continued on Page 16



CHAPTER 16
BARRYM.GOLDWATERARIZONA CHAPTER

Amateurs in Arizona with twenty five years of experience are invited to join the QCWA. There are monthly meetings in various parts of Arizona

Phoenix, AZ

Third Wednesday of each month at 9:30 AM
Contact: John L Marshall
WA7BSR@gmail.com

Prescott, AZ

Second Tuesday of the month at 10.30 AM
Golden Corral
1901 E AZ-69
Prescott, AZ 86302
928-776-1664
Contact: Don Broadston

Tucson, AZ

We need a volunteer to set up monthly meetings in Tucson.

Officers are:

(All officer positions are open for volunteers.)

President: John Marshall WA7BSR 623-334-2583

Vice President: Open

Secretary: Open

Treasurer: Dave Hanson W7BJw7bj@outlook.com

Webmaster: John Marshall WA7BSR WA7BSR@gmail.com

Web Site: <http://azqcwa.org> Email: azqcwa@gmail.com.

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

Superstition ARC Repeaters
 147.120 MHz (+) 162.2 Hz - Linked to 449.600 (-)
 449.600 MHz (-) 100.0 Hz - Linked to 147.120 (+)
 448.275 MHz (-) 100.0 Hz - Fusion
 KB7KWK-L Echolink Node

Club Nets
Morning Drive Time Net: Mon-Fri, 7:00-8:00 AM - Trivia
Saturday Supershow: Sat, 8:00-9:00 AM - Trivia
City of Mesa CERT Team Monthly Net: First Tuesday of month, 7:00 PM
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.

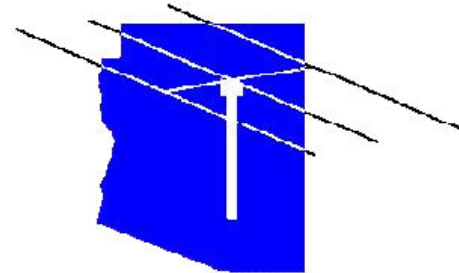
Superstition SuperFest
 The Superstition SuperFest is held on the first Saturday of December. Visit www.superstitionsuperfest.org for the latest information.



No Reports Received

AMO

Arizona
Mesh
Organization



MARCA INC.



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



Emergency Communications Since 1961

SHORT SKIP





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Special HRO Holiday Pricing!

NEW



FTDX101MP | 200W HF/50MHz Transceiver

• Hybrid SDR Configuration • Unparalleled 70 dB Max. Attenuation VC-Tune • New Generation Scope Display 3DSS • ABI (Active Band Indicator) & MPVD (Multi-Purpose VFO Outer Dial) • PC Remote Control Software to Expand the Operating Range • Includes External Power With Matching Front Speaker



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

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



FTM-400XD | 2M/440 Mobile

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



FTDX3000 | 100W HF + 6M Transceiver

• 100 Watt HF/6 Meters • Large and wide color LCD display • High Speed Spectrum Scope built-in • 32 bit high speed DSP /Down Conversion 1st IF



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 • WIRES-X Portable Digital Node/Fixed Node with HRI-200



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

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



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

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



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

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



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

• High Res Full-Color Touch Screen TFT LCD Display • Easy Hands-Free Operation w/Built-In Bluetooth Unit • Built-In High Precision GPS Antenna • 1200/9600bps APRS Data Communications • Simultaneous C4FM/C4M Standby • Micro SD Card Slot



FT-65R | 144/430 MHz Transceiver

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



FTDX101D | HF + 6M Transceiver

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



FTM-7250DR | C4FM/FM 144/430MHz Dual Band

• 50 Watt Mobile • System Fusion-II Compatible • Operates Advanced C4FM Digital & Conventional FM Modes • 3 Watt Powerful & Clear Audio with Front Speaker



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
- ONLINE – WWW.HAMRADIO.COM
- FAX – All store locations
- MAIL – All store locations



YAESU
The radio

Even though everyone will remember 2020 as a very difficult year, we want to thank you for coming to Ham Radio Outlet for all your radio needs. We are wishing that everyone will have a much better 2021.

HRO Phoenix is the home of all your Ham Radio gift giving needs.

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

(We will be closed on 12-25-2020 and 1-1-2021.)

Now serving you at our Phoenix store: Manager Ron AJ7T, Steve W7QY, Mike K7DD, Jim K7EOG, Jim KE7EEU, Richard KIRAB, and Bob W8RH.