ADAW 10498 Monserrate St Elk Grove, CA 95757-1765







Arizona Desert Aire Waves

Vol 47 No 4

April 2022

CLUB MEETING SCHEDULE

SARC Apr 6th - 7:00 PM via Zoom AARC Apr 14th - 12:00 PM American Red Cross/Echolink

YARC Apr 7th - 7:00 PM Prescott Rodeo Grounds

CADXA Apr 7th - 7:00 PM Bethany Lutheran Church

> MARCA Apr 19th - 6:30 PM via Zoom

TBARC Apr 21st - 6:30 PM Arizona Christian University

> ARA Apr 28th - 7:30 PM Electronically

MARA Apr 2nd - 9:00 AM Maricopa Public Library AzRCCC Apr 12th - 7:00 PM American Red Cross/MS Teams

SuperstitionARC Apr 19th - 7:00 PM Charles K Luster Bldg-Mesa

> ANSR Apr 21st - 7:30 PM via GoToMeeting

OVARC Apr 15th - 7:00 PM Mountain View Baptist Church

ATN (VOAR) Postponed www.whereby.com/atn1

> CARL TBD Check Web Site

AMO Apr 14th - 7:00 PM Charles K Luster Bldg

CHRC Apr 9th - 9:00 AM Tri-City Baptist Church

KARC Apr 12th - 6:30 PM New Hope Christian Fellowship

SunLifeARC Every Monday - 10:00 AM Via Zoom

QCWA-AZ Chapter TBD Various

> MMRG See Web Site

WVARC Apr 4th - 7:00 PM Shepherd of the Desert Lutheran Church/Zoom

ARIZONA AMATEUR RADIO CLUB

The Arizona Amateur Radio Club meets on the **SECOND THURS-DAY** 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 <u>www.W7IO.org</u> for map. Visitors are welcome.

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

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

SCOTTSDALE AMATEUR RADIO CLUB, INC.

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

President	James Wasson	N7ELL n7ell@scottsdalearc.org
Vice President	David Yee	N7AJR n7ajr@scottsdalearc.org
Secretary	Bruce Harmsen	KA9EYX ka9eyx@scottsdalearc.org
Treasurer	Douglas Mitchell	W7ADD w7add@scottsdalearc.org
Past President	Paul Finell	W7EFQ w7efq@scottsdalearc.org
Board Members	Jim Dye	AG7AU
At-Large	Scott Gillins	W2KP
-	Bill Kouchis	N9EIV
	Ed Nickerson	WU7S

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: <u>www.scottsdalearc.org</u>

ARIZONA NEAR SPACE RESEARCH

The Arizona Near Space Research group meets the **THIRD THURS-DAY** 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 ia	mgadget1@yahoo.com
Vice President	Clayton Jacobs, KJ6QJS	
Secretary	Steve Miller, W6SDM	
Treasurer	Bill McLean, K7WWM	bmcleanl@gmail.com

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

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

THUNDERBIRD AMATEUR RADIO CLUB

The Thunderbird Amateur Radio Club meets the **THIRD THURS-DAY** 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 (<u>http://w7tbc.org</u>) for a map and more details.

President	Charles Loftus	KG7KRN	president@w7tbc.org
Vice President	Rick Tejera	K7TEJ vi	cepresident@w7tbc.org
Secretary	Andrew Cornwal	1 KF7CCC	secretary@w7tbc.org
Treasurer	Jeff Rogers	KD7PYE	treasurer@w7tbc.org
Directors	Robert Lutes	N7NO	n7no@w7tbc.org
	Paul Veltman	WA60KQ	wa6okq@w7tbc.org
	Chuck Erickson	K7CAE	k7cae@w7tbc.org
	Robert Fairfield	K7RQN	k7rqn@w7tbc.org
Past President	Brian McCarthy	AK7F	ak7f@w7tbc.org
Station Trustee	Gary Duffield	WK7B	wk7b@w7tbc.org

For further information about the ThunderBird Amateur Radio Club, visit our website at http://w7tbc.org, send an e-mail to: <u>info@w7tbc.org</u> 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	KOVPL
Past President	Peter Petrotta	KD70IW

Arizona Red Cross Communications Club - K7ARC, 4747 N 22nd Street, Phoenix, AZ 85016. Web Site: <u>K7ARC.org</u> Email: <u>info@k7arc.org</u>

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) nonprofit organization. DUES: \$25.00/year individual, \$30.00/year family. Apply on-line at <u>www.copahams.org</u>. Mailing address: P O Box 951, Maricopa, AZ 85139



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 <u>http://www.azqcwa.org/</u> 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: <u>http://www.azqcwa.org</u> Email:<u>info@gmail.com</u>. 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:		K7GH	
	Butch Merrill	K7JOG	
	Jerry Roberts	K7BUD	
	Ken Rasback	KK7KEN	
	Tom Raczykows	ki N7MMC	
	Sonja Hazlett	WB7CWW	

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

KACHINA AMATEUR RADIO CLUB

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

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

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

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 Vice-President	Brian McCarthy, AK7F Dennis Bietry, KE7EJF	ak7f@w7ara.net ke7ejf@w7ara.net
Treasurer	Cole Cunningham, AA7	, <u> </u>
Secretary	JimHoff,N7XXX	n7xxx@w7ara.net
Board Members:		
Dennis (Campbell, AE7WU	ae7wu@w7ara.net
Mike M	ontalvo, KF7MBK	kf7mbk@w7ara.net
Marty D	usenberry, KE7DGP	ke7dgp@w7ara.net
Lance H	alle, KW7LH	kw7lh@w7ara.net
Joe God	frey, AE7JG	ae7jg@w7ara.net
Joe Bakas, KE7WHE		ke7whe@w7ara.net
Patrick	Baldwin KI4NSF	ki4nsf@w7ara.net
James W	/asson,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 <u>http://w7ara.org/mbr/Membership.aspx</u>. DUES: \$18.00/yr. (Jan. 1 through Dec. 31) with a one-time initiation fee of \$10.00. Life and family memberships are available.

SUPERSTITION AMATEUR RADIO CLUB

The Superstition Amateur Radio Club meets the **THIRD TUESDAY** each month at 7:00 PM: January only - Zoom and St Katherine Greek Orthodox Church, 2716 N Dobson Rd, Chandler. February through November - Zoom and Charles K Luster Building, 640 N Mesa Drive, Mesa. **VISITORS** are Encouraged to attend. If you would like to attend one of our meetings via Zoom, please contact president@superstitionarc.org at least 24 hours prior to the meeting for the Zoom link.

President	Steve Estes	KB7KWK	kb7kwk@superstitionarc.org
Vice President	Brian Betz	W7JET	w7jet@superstitionarc.org
Secretary	Scott Simeon	KI7KIM	ki7kim@superstitionarc.org
Treasurer	Bryan Hubbard	KF7DPC	kf7dpc@superstitionarc.org
Directors:	Brent Butler	W7FK	w7fk@superstitionarc.org
	JeffHarris	K2DFE	k2dfe@superstitionarc.org
	JeffHeinze	N7CCW	n7ccw@superstitionarc.org
	Dan Devlieger	KC7MSU	kc7msu@superstitionarc.org
	Bob Thomas	N8ANV	n8anv@superstitionare.org
	Matt Churchill	K7YEG	k7yeg@superstitionarc.org
	Robert Fridell Jr	N3BZ	n3bz@superstitionarc.org

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



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. Vistors 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 <u>http://www.w7mot.org/index.php/repeaters/report-a-repeater-problem</u>. 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 (<u>http://w7mot.org</u>) for more information about meeting schedules, membership, repeaters, library, and club activities.

CENTRAL ARIZONA DX ASSOCIATION

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

President	Bill Poole	AA4Q	aa4q@arrl.net
Vice President	Virgil Silhanek	K7VZ	k7vz@arrl.net
Secretary	Eric Schecter	KC7ES	eschecter@gmail.com
Treasurer	Mike Wright	N7MW	n7mw@aol.com
Immed. Past Pres	. Larry Loen	WO7R	lwloen@gmail.com
Directors	Ron Smith	N7RD	
At-Large	John Jolly	N7NWL	wa7nwl@gmail.com

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

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 <u>www.w7yrc.org</u> 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 Vice-President Secretary Treasurer Past President	John Snedden Mike Reid Tim Norton Sam Prather Bill Noe	KT7P WU7V K7PVY K7SCP WG7W	president@w7yrc.org vice_president@w7yrc.org secretary@w7yrc.org treasurer@w7yrc.org
Board Members	Ron Levine Jane Lerette Ray Kolman Mike Schnell Bill Noe	K7ZHF KI7COM NC7X WG7U	spudsman@gmail.com ka9cid@gmail.com

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

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 <u>www.tucsonhamradio.org</u> for dates.

President	Steve Wood W1SR	w1sr@arrl.net
Vice-President	David Beauchesne AK	2L ak2l@arrl.net
Secretary	Logan Zintsmaster KE	7AZlrahnz@garlic.com
Treasurer	Gary Pierce, AE7GP	ae7gp1@gmail.com
Board Members	Fred Bresani W2HZ	w2hz@verizon.net

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

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 <u>chandlerhams.org</u> for dates and presentation topics of club meeting. Weekly net is held every Thursday at 8:00 PM on 443.050+PL100.

President	Dave Hoffman	KJ4RS	pres@chandlerhams.org
Vice President	Debbi Smith	KJ7MIQ	vp@chandlerhams.org
Secretary	Mary Stephen	AE6Q	sec@chandlerhams.org
Treasurer	Byon Garrabrant	N6BG	treas@chandlerhams.org

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



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 Vice President Sec./Scheduling Treasurer	Jack Landon Jim Felkey Sam Marshall Karen McConag	KD7ROB N7BBS N7INV thy NO7D	480.759.5195 480.966.7084 602.291.0992 602.799.7338
Station Engineer Board Members:		WA7GIL	602.390.5335
Steve W Tom Sal John O'I Bob Bur Robert I	Varford, WB4ZSC It AD7PM Neal K7JP Heson KG7QJ Faerber W9AQ Ilins W2KP	At Large Teacher Pa	ickets sident Emeritus

Direct Phone: 602.716.2082 Web Site: <u>http://www.w7asc.org</u> For information: Email to <u>carl@w7asc.org</u> 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 <u>www.whereby.com/atn1</u> 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 <u>www.youtube.com/</u> <u>amateurtelevisionnetwork</u> 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	AD70I	602.694.0851
Webmaster	RolandHoffman	KC6JPG	562.577.1381

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

WEST VALLEY AMATEUR RADIO CLUB

The West Valley Amateur Radio Club, an Arizona 501(c)(3) nonprofit 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. VE Testing with prior registration before each general meeting at 6:00 PM. The board usually meets on the third week of the month on Zoom. A weekly breakfast is held on Thursdays at Lou's Tivoli Gardens, 12535 W Bell Rd at7:00 AM. Daily call-in nets are held on 147.300 (tone 162.2) at 9:00 AM and at 8:00 PM. Check our website (https://westvalleyarc.com) for other events and information.

President	Danny Ugam	KM4HFT
1100100110	Danny Hoerr	
Vice-President	BillCiccone	KA2KHV
Secretary	Lee Ann Ciccone	KJ7AZR
Treasurer	Bob Runke	AB7RR
Board Member:	Ryann Shipp	K1WAZ
	Joe Jacobson	KJ7PUL
	Frosty Oden	NQ1S
	Larry Johnson	WO7C
Committees:		
Membership	Krissy Larson	KI7GJJ
Technical Advisory	Frosty Oden	NQ1S
Equip. Donations	Ken Jenkins	WB6MMV
& Sales	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: <u>http://westvalleyarc.com</u>. Email: <u>suncitywvarc@gmail.com</u>

SUNLIFE AMATEUR RADIO CLUB

The Sunlife Amateur Radio Club is a Snowbird Club and meets **EVERY MONDAY** at 10:00 AM from October through the end of April both in person and on Zoom at Greenfield Village, 111 S Green field Road in Mesa. 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	$CheriGoforth, KD7ZXD \qquad {\rm treasurer.sunlifearc@gmail.com} \\$

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





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 <u>president@arizonamesh.org</u> at least 24 hours in advance. Visit the web site at <u>https://arizonamesh.org</u> for more information on the AMO Club and up-to-date news.

President:	Michael Bailey, K	J7LXY president@arizonamesh.org
Vice-President	Steve Estes, KB7	
Treasurer:	Scott Gillins, W2	KP treasurer@arizonamesh.org
Secretary:	Robert Fridell, N.	3BZ secretary@arizonamesh.org
Board of Directo	ors	
Dale Sc	hmidt, N7QJK	n7qjk@arizonamesh.org
Heidi B	rewer, K7ZAE	k7zae@arizonamesh.org
Gary H	inton, AC7R	ac7r@arizonamesh.org
Bob Ho	ward, 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: <u>https://arizonamesh.org/</u> 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, <u>www.arizonaoutloaws.net</u>.

President:	MikeFulcher,KC7V m	ikekc7v@gmail.com
V.P. North Area	Ray Benny, N6VR	n6vr@arrl.net
V.P Central Area	Chuck Zanella, KF7U Ch	nuck_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: <u>www.arizonaoutlaws.net</u>.



ADAW Staff

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From the Editor's Desk

Greetings all.

The new \$35.00 application fee for Amateur Radio licenses will go into effect on April 19, 2022. Originally proposed for \$50.00, the FCC lowered the fee to \$35.00 after agreeing with the ARRL (American Radio Relay League), and other commenters, that the fee was excessive given the small amount of staff involvement with Amateur Radio applications. The new fee will be imposed on all applications that are associated with Form 605. This includes applications for a new license, modification of a license (upgrade and sequential call sign change), renewal of a license, and vanity call signs. No fees will be assessed for such things as a change of a mailing or email address.

In July, the ARRL Board of Directors approved a new "ARRL Youth Licensing Grant Program" designed to help defray the cost to young hams. The program would pay a onetime \$35.00 application fee for license candidates under 18 years of age for tests administered at an ARRL VEC test session. Exam session fees for eligible candidates would also be reduced to \$5.00, a \$10.00 savings. The ARRL is currently finalizing the details of the program.

VECs and VE teams will not collect the \$35.00 fee. It will be the responsibility of the applicant to submit the fee to the FCC within 10 days of the FCC's receipt of the application. If the application is filed by a VEC, as at a test session, that period does not begin until the application is received, a ULS number assigned, and an email is sent by the FCC to the applicant. The FCC will email each successful candidate a link with payment instructions after session paperwork is received. The fee is due within 10 days from the date of the email. After payment, a second email containing a link (good for 30 days) to their official license (or an explanation of other action) will be sent.

Applications that are processed and dismissed will not be entitled a refund, including vanity call sign applications that do not result in a call sign. The FCC staff advises applicants to check to be sure the requested call is available for their operator class and area, and then request as many as the form permits to increase the chances of receiving a call sign.

More information is available from the ARRL VEC at <u>www.arrl.org/fcc-application-fee</u>. When they are available, the details for the ARRL Youth Licensing Grant Program will be posted there as well.

Don't forget the April Hamfest at DeVry on April 16th in the DeVry University parking lot. The admission donation is \$2.00 and spaces are \$10.00 each. There will be VE testing at 9:00 AM, DX QSL Card Checking from 9:00 AM to 10:00 AM, Prizes, Coffee, Donuts, and Sodas. The Amateur Radio Council of Arizona will hold its spring meeting at the event at 11:00 AM. Mark your calendar for the last hamfest in the Valley until December and plan to attend.

Public Service Calendar

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
El Tour De Mesa	Mesa	04/02/2022
March of Dimes March for	Babies	04/09/2022
	Wesley-Bolin Park, Downtow	wn Phoenix
Pat's Run	Sun Devil Stadium @ ASU	04/23/2022
Zan Grey 100K	Mogollon Rim N. of Payson	04/23/2022
Barnburner Mountain Bike	Race	09/17/2022
`	Kendrick Peak, NW of Flags	taff
AuxComm Interest	TBD	12/31/2022

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

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

ADAW

The Vernon Teaching Testing Center

The Vernon Teaching Testing Center was set up to reach those individuals interested in Ham Radio. They are working to inform our communities in Northwest Arizona. They are working to also inform the Apache Indian Reservation members. For information on classes and testing, please go to <u>qrz.com/db/KV7TTC</u>.



The Team at VTTC Back Row: Alen AG7CU, Jim N7XDO, Marc KI7KLK Front Row: Jerry K7ZDD, Anthony K7AER

Submitted by Barbara Mills, KA7MIZ



AMATEUR RADIO SERVICE DEMONSTRATION STATION

W7ASC is a Demonstration Station for the Amateur Radio 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 <u>twitter.com/w7asc_arc</u> and <u>facebook.com/W7ASC</u>, 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.

We still need more volunteers to keep the shack open and fully staffed daily at Arizona Science Center. The pandemic has been hard on our recruiting efforts but be assured that we and ASC are taking every possible precaution to keep our volunteers and the public safe. Call the number above or contact me (contact info at the end of column) to set up a date to discover the joy of sharing your love of amateur radio with the visitors at ASC.

A Year in Review

About this time last year, I wrote that "Spring has sprung" and things were looking brighter. I even went out on a limb and proposed that, perhaps, the long-awaited return to some form of normality had begun. With that in mind, along with reports from C.A.R.L. volunteers of the current state of activity at the W7ASC ham shack in Arizona Science Center, I reviewed last month's club reports to see if that was true. I'm happy to report that the evidence seems to bear that out. Along with a general return to normality, I see favorable signs of the so-called newnormality creeping into our clubs' activities.

WVARC reported a successful, first ever, Annual Poker Run. A pair of Aces was the winning hand for one group of participants, but the real winner was amateur radio in the Valley.

CARL Continued from Previous Column

TBARC heralded that their new group of executive appointees contained fresh blood to guide the club into its post-COVID-19 future.

KARC reported that not only was there a return of their former membership, but there had been an influx of new residents to the White Mountains. A fertile resource pool of both existing amateur radio operators and potential new operators; a positive fallout of COVID-19 era migration.

SARC reported on their participation with a growing number of clubs around the country adding a winter field day to their plate. A different season with different challenges for some geographical areas.

Going Forward at Arizona Science Center

I am equally happy to report that C.A.R.L. is likewise experiencing a resurgence of activity. Many of our regular volunteers are back, along with a few new recruits. With the new volunteers, comes new energy and a fresh look at how to accomplish our mission at ASC.

Within that mix, the new CEO of ASC has arrived and we are looking forward to working with him to continue, and evolve, that mission. As one new volunteer reminded us, we have stiff competition from the Internet and cell phones when it comes to selling amateur radio to the ASC visitors, especially the youth. But, as I have claimed in the past, amateur radio is just one arrow in the communications quiver. Our job is to emphasize its importance, and uniqueness in the overall fabric of a global communications network, for the people.

73, and Welcome back! de WB4ZSC Steve vyix99@yahoo.com 480.570.1041



@wondercliparts.com





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

Amateur licensing tests are available in Prescott every month. Both YARC and our fellow licensing group "ARRL Ham Radio Exams" test on alternate months. Our next session will be on April 2, 2022. Pre-registration is required at <u>www.w7yrc.org/arrl-vec/</u>. For the rest of our 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. A Technician class was held in Feb. The next will be July 23rd and July 30th, at Jeep Posse Building 8:30 a.m to 4:00 p.m.

General classes are April 23rd, April 30th and May 7th, then October 22nd, October 29th, and November 5th, at Jeep Posse Building 8:30 a.m. to 4:00 p.m. Check our website for corrections or further details, and to register.

Hamfests are coming back following the Covid "experience" of the past two years. YARC is happy to be among the early returns. Don't miss the upcoming Prescott Hamfest on May 14th. After being absent last year, we are looking forward to an abbreviated (one day) fest this time, but one with a good deal of tailgate activity and some great prizes. Check out the website, www.hamfest.w7yrc.org

While activity on the FM repeaters is not what it was several years ago, YARC is doing its part to bring life back to the airwaves. 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, <u>www.w7yrc.org</u>

YARC is an ARRL Special Service club. We provide communications for several community events each year.

For Sale / Wanted

D LOOK! Great Deals!

For Sale

For Sale - "The Dominator" 6 meter, 5/8 wave vertical antenna. Made like a tank in Intaly 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 <u>ebasilier@cox.net</u>

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.

WVARC Continued from Previous Column

Upcoming on our calendar are:

1. Whiskey Basin Trail Run – April 23, 2022 – Contact: Don Sears N7PLL (donsears@zoho.com). This is a two day event, but we are currently only planning on supporting the April 23rd date.

2. Whiskey Off Road Bike Event – April 29, 30 and May 1, 2022 Contact: Frank Bender K8FB (<u>fhb47@hotmail.com</u>)

3. Groom Creek Mountain Mayhem – May 07, 2022 Contact: Frank Bender K8FB (<u>fhb47@hotmail.com</u>)

4. Yarnell Memorial Run – June 04, 2022 – Contact: Doug Jarmoth N0DAJ (<u>n0daj1950@gmail.com</u>)

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

Remember; BE RADIO ACTIVE !



Meet our license trustee

Odds are good you've already met our club license trustee, Gary Duffield WK7B. By day he's a sales manager for a national company. If you've seen him give a presentation to the club, you know he's a raconteur with a ready wit and engaging style. But did you know he's also the license trustee of the club station, W7TBC? It's true - if you've operated as W7TBC, it's been legal because of what Gary's done. But what is a station license trustee?

When a club wants to have its own station license, it needs to satisfy a few conditions. First, it needs to have at least four members. That's to prevent someone from deciding "I'm a radio club" and filing for additional callsigns. For the same reason, it needs a name (like "Thunderbird Amateur Radio Club") and documents of organization and management (our constitution and bylaws satisfy that). Its purpose must be devoted to amateur service activities - that's why we have it! Finally, there needs to be a person who holds an operator/ primary station license grant. That's where Gary comes in.

Gary, as the license trustee, has put his reputation on the line. If the FCC hears something they don't like with the W7TBC callsign, Gary gets the call... or the letter. And he'd be the one to take action if something needed to be done. He's also the one who gets to do the paperwork (such as filing for license renewal) when the time comes.

Thanks, Gary!

Technician tests change at the end of June

If you know someone who's studying for the technician test, now's the time to hit the books! Every four years the exams are updated - one a year, first tech, then general, then extra and then a year off. In fact, this year almost half the questions are being changed or updated - study hard so you can get on the air before June 30! Walt Reinert, NJ8G of our volunteer examiner (VE) group, let us know that not only are the tech questions changing on July 1, 2022 - the draft general question pool for 2023 has been released for comments and corrections. Get in touch with Walt if you want to know more.



The March 10 meeting of the Arizona Amateur Radio Club was a delicious dinner meal prepared by Roger Bram, KEØBQQ. It included chicken drum sticks, thighs, and breasts, macaroni salad, and green beans. Ingrid and Reinhard Geissler brought the bread and a salad. The dinner was enjoyed by all.

At the meeting plans were made for the Arizona Amateur Radio Club's annual hamfest at DeVry. The date is April 16, 2022.

73, Lori Cripps, WA7EDI





TBARC Continued from Previous Column

Ham Radio Experiences with Eddie Jansen KJ7OGG April meeting

We'd love to see you at our next meeting! As usual, it's on the third Thursday of the month. The meeting will be hybrid: in person at Arizona Christian University or online with Zoom. Eddie Jansen, KJ7OGG, will talk about his experiences as a relatively new ham. I didn't have to go to the FCC office to get my license, but I've still been around long enough to know things have changed. It's exciting to have new ham radio operators give us the benefit of knowing what it's like to get your license today. The conference URL and details are on the TBARC website, w7tbc.org. Join us and share the learning and conversation - in person at 59th Avenue and Greenway Road or at the Zoom virtual meeting - it's your choice! Either way, we'll see you at the meeting!

Andrew Cornwall KF7CCC kf7ccc@arrl.net

License Testing Information

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

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

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

April Test Sessions

Apr 2nd, 9th, 16th, 23rd, 30th - NOMADS -- 9:00 AM Venture Out RV Resort, 5001 E Main St, Mesa Contact - Robert Bingham 480.404.1408 No Walk-Ins / Register or Call Ahead / No Test Fee

Apr 2nd - K7ARC VE Team -- 10:00 AM American Red Cross, 4747 N 22nd St, Phoenix Contact - Brandi Bridges <u>VE.Testing@k7arc.org</u> No Walk-Ins / Register at k7arc.org

Apr 2nd - KARC -- 9:00 AM 411 Papermill Rd, Taylor For more information, email <u>VETESTING@gmail.com</u>

Apr 4th - 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

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

Apr 11th - Radio Society of Tucson -- 7:00 PM Immanuel Presbyterian Church, Witherspoon Hall 252 E 22nd St, Tucson Contact-Diane Zimmerman dzimmerman2002@gmail.com



Amateur Radio License Testing

Apr 18th - 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

Apr 16th - 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

Apr 19th - Boy Scout Troop 127 -- 7:00 PM St Francis Xavier Church - Anderson Hall, 4715 N Central Ave, Phoenix Contact - John Kelly 480.823.8993

Apr 22nd - Oro Valley ARC -- 5:30 PM Mountain View Baptist Church, 3500 W Overton Rd, Tucson Contact - David Beauchesne 831.345.3308

Apr 23rd - Vernon Teaching Testing Center -- 1:00 PMConcho Valley Community Church, 36650 AZ 61, ConchoContact - Gerald Gutzjerry7640@gmail.com

Apr 30th - Arizona ARC -- 10:00 AM American Red Cross, 4747 N 22nd St, Phoenix Contact - Gary Hamman 602.996.8148 No Walk-Ins / Register or Call Ahead Pre-Register Required by the Thursday before FACEMASKSAREREOUIRED





This is Chuck, KF7U and I am the Arizona State Coordinator for the 7th Call Area QSO Party that will take place on May 7-8th 2022 starting at 1300 UTC on the 7th. I am trying to get the word out to Arizona hams that we need their participation in this great event. The 7QP is an amateur radio contest, held annually on the first Saturday in May. The stations of the US 7th call area (Arizona, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming) become "the pursued," and the rest of the US, Canada, and the world tries to work as many of us, on as many bands/modes as possible, over an 18-hour period commencing at 0700 UTC on the 8th. For the organizers of 7QP, a key objective is to get as many of the state's counties (15 Arizona counties) activated for at least some of the contest by promoting serious "roving" mobile operation and county-line stations, plus arm-twisting the casual-operator fixed stations in under populated counties.

This is a great event to showcase Arizona's enthusiasm towards ham radio and even expose new and not so new operators to contesting without the stress or intimidating atmosphere perceived with major contests. Get on the air for a couple hours or longer. Any time you could put in will be greatly appreciated!

Visit <u>http://ws7n.net/7QP/new/Page.asp?content=rules</u> for the rules and complete description of the event. Additionally, folks can announce their planned operation by sending an email to <u>7qpops@codxc.org</u>. Full information and links can be found on the 7QP website.

Let's Go Arizona. Get on the air!

Thank you and if I can answer any questions, please feel free to contact me at $chuck_kf7u@outlook.com$.

As you recall, Rob Sherwood, NC0B, did a presentation on receiver performance including an Elecraft K4D. Here is the link to his presentation - <u>https://youtu.be/bxS4zc3hpgA</u>.

Sunspots in cycle 25 continue to build and provide more consistent openings on 10m and 15m. ARRLCW was a blast with the increased sunspots. This coming fall contest season ought to be great.

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



We're finally back to in-person meetings! And we have a new location! The Club meets the first Thursday of the month at 7:00 p.m. at Bethany Lutheran Church, 4300 North 82nd Street in Scottsdale, AZ. We'll also try to share the meeting on Zoom.

Most months we have a pretty interesting program or presentation. Visitors are always welcome. See <u>www.cadxa.org/</u> for more information. Contact the president for the Zoom link - aa4Q@arrl.net

Above information provided by Bill Poole, AA4Q and is listed in the club listing on Page 4. Thanks Bill. ed.

AOCC Continued from Previous Column

Contest Tip this month - I suggest taking a break from contests in the month of April. Perhaps dabble in a few QSO parties. This is a good time to evaluate your shack and antenna system while the weather is still decent and prepare for summer.

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-

In the recent ARRL DX CW contest, N7AT (KC7V, K8IA, W9CF OPS) sits 10th in the USA (#1 west coast) in the multitwo category. The multi-single team of AA7A (AA7A, KY7M, K9DR) sits 5th in the USA (#1 west coast). N2IC sits #1 with W4IX (@ND7K) #2 in the west in the single op all band category. Bill KO7SS sits #1 in the west in the single op assisted all band category and Fred NA2U (@KH7M remote) put in an outstanding score to sit #1 in Oceania and is the highest scoring DX station in the single op assisted all band category. These are all claimed scores.

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

73, Mike KC7V



Hamfest Calendar

16 April 2022 - **April Hamfest at DeVry** - hosted by the Arizona Amateur Radio Club and the Arizona Red Cross Communications Club will be held at DeVry University, 2149 W Dunlap Avenue, Phoenix. Hours are 7:00 AM until 11:00 AM. Admission donation -\$2.00. Tailgate Spaces - \$10.00 each. VE Testing in building at 9:00 AM. DX QSL Card Checking from 9:00 to 10:00 AM. ARCA Meeting at 11:00 AM. Prizes - Coffee - Donuts - Sodas. Talk-In on 147.280 (+) PL 162.2 Hz. For more information or to reserve a space, contact Gary Hamman at k7gh@arrl.net or 480.216.2665.

7 May 2022 - Cochise Hamfest and 7th Area Phone/CW/Digital Communications Exercise - hosted by the Cochise Amateur Radio Association will be held at the club site at 2756 S Moson Road in Sierra Vista. Gates open at 7:00 AM with free parking and admission. Tailgating is \$5.00 and inside tables are \$10.00 each. VE testing will be held from 9:00 AM until 11:00 AM. Prize drawing will be held at 12:00 noon. Talk-in: 146.76(-) PL 162.2. For more information, email Bill N7BIL at cwmcnab@gmail.com.

14 May 2022 - **2022 Prescott Hamfest** - hosted by the Yavapai Amateur Radio club will be held at Granville Elementary School, 5250 Stover Drive in Prescott Valley. Hours are 8:00 AM until 12:00 Noon. General Admission - \$5.00 per person. Full time students with ID and 16years old and younger - FREE. Swap spaces - \$10.00 per space. Preregistation for seller spaces at <u>www.prescotthamfest.com</u> is required. Due to limited space, RVs, Campers, and trailers will not be permitted. Talk-In Frequencies - 146.880 MHz(-) PL 100 Hz, 447.65 MHz(-) PL 100 Hz, or 146.580 Simplex. Contact Hamfest Chairperson - Frank Bender, K8FB at <u>k8fb@w7yrc</u>. Visit the web site at <u>www.prescotthamfest.com</u> for updates and additional details. SORRY NO GUNS, DRUGS, ALCOHOL, SMOKING, VAPING, OR FIRE-WORKS. ONLY LEASHED ANIMALS ARE PERMITTED.

17 September 2022 - **Show Low Tail Gate Swap Meet** - hosted by the Kachina Amateur Radio Club. Save the Date! More info to follow.

24 September 2022 - **RST Hamfest** - hosted by the Radio Society of Tucson. Watch for more details.

1 October 2022 - **TARA Ham Swapfest**-hosted by the Tonto Amateur Radio Association will be held at Rumsey Park, 400 McLane Road in Payson. Hours are 8:00 AM until 2:00 PM. Admission is free. Tailgaters are \$10.00 and vendors are \$20.00 per table. VE testing will be held from 7:00 AM until 9:00 AM. There is a \$15.00 fee for the test. A potluck BBQ will follow the swapmeet until 4:00 PM. Bring your own meat and something to share. Contact Bruce Johnson at 928.474.4154 (email - <u>stretch8@q.com</u>) for more info. Visit the website at <u>https:// n7tar.org/</u>

Continued Next Column



Presidents Message

The club has been busy implementing and planning our linked repeater system. Dennis Mills WA7ZZT has been assembling programming and testing controllers, repeaters and ancillary equipment. Work has progressed on solar power and a backup generator for the Chevlon site and this should be online by next month. A new shelter in Holbrook has power and we are planning to start moving in also a month or so as another portion of the linked system. We are securing a long-term agreement for the Torreon site in Show Low, plans are to link this site as well as exploring other potential sites using software simulation to predict coverage propagation. Additionally, our ham classes and VE test sessions on the White Mountains have been very busy as our members are looking to educate and make new hams and upgrade existing hams. We plan to equip an Incident Command Center in Pinetop with communications gear when the facility is ready - this has been pushed out due to the building remodel for a couple more months until April or so. The Ham community in the White Mountains have a lot going on and the springtime will see more outside activities to report on at that time.

The St Johns Emergency Preparedness Fair was held Saturday, March 5th from 9 AM until 5 PM. Over 60 exhibitors showing everything from bread making to gardening to Solar Power were present. More than 800 were in attendance with special interest in Emergency Communications.

Ham Radio was represented by NQ5G, Doug Troxel and KF7UBT, LeDair Dixon from the Kachina Amateur Radio Club. A portable station was set up for display and transmissions were made on the Rim Link, Kachina Greens Peak, and the ARA repeater. The largest number of inquiries for Amateur radio classes in recent memory was received. Class times and dates were filled for the next several months. All in all it was exceedingly successful.

Hamfest Calendar Continued from Previous Column

5 November 2022 - HARKfest Tailgate Hamfest - hosted by the Hassayampa Amateur Radio Klub will be held at North Ranch Escapees RV Park, 30625 S Hwy 89 in Congress. Haours are 8:00 AM until Noon. Free Admission. Free Tailgating & Vendor Sites. Mus preregister via email to <u>djgrooms@yahoo.com</u>. Overnight full RV hookup or dry camping. Contact North Ranch Escapees at <u>northranch@escapees.com</u> to reserve. Free Ham Radio License Testing - Must pre-register via email to <u>cecarter39@yahoo.com</u>. Grand Prizes - Door Prizes - ARRL Card Checking. Talk-in on 146.580 (simplex) or 146.620 repeater (PL 162.2). Contact Duane Grooms, KD0KYK at <u>djgrooms@yahoo.com</u> for more information. Visit the web site at <u>harkaz.org</u>.

3 December 2022 - **SuperFest** - hosted by the Superstition Amateur Radio Society. Watch for more details.





Support the ARA by joining our team. Membership is \$20 per year. Membership info @ <u>https://www.w7ara.org/mbr/</u><u>Membership.aspx</u>

ARA members are encouraged to log into the member services on the ARA website and review / update their email addresses.

ARA White Tank profile courtesy Dennis Campbell and John Braden

Location – White Tank Mountain Regional Park – Waddell, AZ. Elevation of 3,800 feet

May 4, 1974 - Several tech committee members ascend the White Tanks 3800' peak with ARA's Motorola solid-state repeater on 146.04/146.64 MHz for coverage testing.

Feb 19, 1976 - ARA adopts plan for future repeaters frequency allocations for Metro Phoenix. This plan includes moving the 34/94 pair which is currently on the Valley National Bank building to White Tanks.

April 3, 1976 - ARA members are on site at White Tanks preparing the site concrete anchors. After receiving final approval from the BLM the site development committee is constructing the site. Completion is forecasted for mid May 1976. This will be the home of the ARA 34/94 Repeater

July 1977 - 450 repeater added to White Tanks site.

Radios - White Tanks has four Repeaters and two Links. The site uses Motorola Micor, CDM, and MaxTrac radios for the repeaters and links.

VHF 146.94 MHz - 162.2 Tone (CalZona User linked on demand) A pair of Motorola CDM1250's

UHF 441.725 + 100.0 Tone (CalZona fulltime) Motorola Micor

Northlink 442.275 + 100.0 Tone A pair of Motorola CDM1250's

33cm 927.3375 MHz - 151.4 Tone - Offset 25.0

(CalZona only linked in net configuration)

A pair of Motorola MaxTrac's

The Smith Peak Link Radio

A pair of Motorola CDM1250's

Antennas - There is an 80' guyed tower supporting the antennas. The antennas are all commercial grade and are a combination of DB224's or Station Master as appropriate. The links antennas are all yagis.

Continued Next Column

ARA Continued from Previous Column

Power / Redundancy - Utility power is backed up by an Absolyt battery charged by a samlexpower SEC-1250UL 12VDC 50 AMP Automatic Battery Charger. The battery will support the site until the automatic transfer switch engages the Onan generator. The generator can provide for almost a week of continuous operation.

Controller - The radios are all controlled by one Link Communications RLC-3 Repeater Controller.

Communications shelter - The radio hut is the back of an Army "deuce and half" truck. It still has the original blackout and tail lights on the back of the shelter.

ARA White Tanks - https://www.w7ara.org/photo/Tanks/





New alte for AMA's 14/94 repeater overleaks weite weller as well as a unde auch nerth, went and works. Arrew points to work came preparing concrete anchors. View looks and into alley obser have cover Phosenia.





Getting the sind, rock, and convecop to the site was no easy charaft

Bak, WATARY, assists driver in segation one of the many sharp tayon.



T Bill, MATERI, AL, MATWOF, Jay, WEDNED work with fack may and showels against the ght rocky sail.

Hight Fets, WSYCHD and Visco, BYAIL work "ap nep" where the inver will gar View Looks worth ap 2-17.



14



WVARC Annual Auction

The West Valley Amateur Radio Club held its annual auction on Saturday, February 26, 2022. The auction was a success due to the weeks of planning and preparation by Krissy L., KI7GJJ, Gary F, K8BKB, and many volunteers. Almost 30 club members volunteered to help with the many tasks necessary to successfully support this event: setup, auctioneering, administration of paperwork, payment collection, seller & bidder registrations, security, food, drinks, and snacks, runners, tear down, and cleanup. Everything came together with no major glitches. Many hams had items up for auction and almost every item went home with a new happy owner. Attendees were presented with some rather lucrative deals, causing bidding to become frenzied at times. However, everyone seemed happy and satisfied at the end of the event and with their newly acquired items. We already look forward to next year's auction.

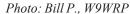
For this event, there were two auctioneer teams, Bob R., AB7RR, and his assistant, Rolf N., KG0KM, and Jim S., WB7RBN, and his assistant Fred P., K7WFP. The auctioneers tag-teamed the sales from both ends of the tables containing all of the items up for bids. Both teams kept the process moving along and organized. Runners kept the paperwork flowing from the auction area to the business end for recording and payment. Great effort everyone! Buyers, sellers, observers, and volunteer workers all seemed to have a good time.

Continued Next Column





Towards the right: Auctioneer Fred P. (white shirt) and his assistant Jim (grey vest), prepping for the next item up for bid. Towards the left: Auctioneer Bob (at the mic) and Rolf (with current item). Some of the crowd of bidders and sellers.





Auctioneer Fred P., K7WFP reading about the next item. Assistant Jim S., WB7RBN helping with item description. *Photo: Bill P., W9WRP*



Bidders, sellers, and observers. Photo: April K., KI7GFJ Continued on Page 16





Spring must be getting closer because we are beginning to have conversations about Field Day already. Hamvention 2022 looks like it is moving forward and several OVARC members are planning to attend.

Thanks to many years of service by Gary-KT7AZ as the W7AI Repeater Trustee. Thanks also to David-AK2L for becoming our new W7AI repeater trustee.

Four OVARC repeaters will default to Analog FM operations in April. Although digital operations continue, we will also support Analog-FM operations on a broader basis. We continue to look for repeater sites to expand our network into other modes for the future.

Our Sunday evening C4FM Net will transition to Analog-FM on the Keystone Repeater beginning April 3.

I would like to extend my gratitude to Hanna KG7TPD for her many years of service as Treasurer to the club. Thank you very much Hanna for all of your hard work.

I would also like to recognize other club members that have worked so hard to help OVARC. First, Bev WB7BEV for her excellent job at pulling together our 2021 Hamfest. Thank you Bev! Thank you Fred for rounding up a number of large donations. Thank you Fred! Thank you to Walt AL7KE for spearheading our Fox Hunts and getting our club equipment prepared for outings. Thank you Walt!

Over the last year a number of OVARC members have passed away. Ron-W7HD was a very notable member of the club. He came to almost every meeting and was a regular participant in Field Day. Tom Drake-K4NY passed away unexpectedly last summer. Tom was a regular at our Saturday morning breakfasts prior to the pandemic. In January, we lost a long-time member of OVARC, Jim-W5ZIT. Jim was our technical backbone and a good friend to all communitywide. Please keep Ron, Tom, and Jim in your prayers.

Our monthly meetings continue to operate very well in a hybrid mode. Although we love to see everyone in person at the Mountain View Baptist Church, we also live stream the meetings to allow our long distance audio audience to tune-in. Please see our website for all the events that are going on including our upcoming April Foxhunt.

73, Steve

WVARC Continued from Page 15



(Left to Right) Rolf N., KG0KM, Fred P., K7WFP, Jim S., WB7RBN, Bob R., AB7RR, and Joe J., KJ7PUL - Calling for bids. *Photo: April K., KI7GFJ*

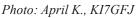


Lots of people attended to both increase and decrease their Ham Radio stashes.

Photo: April K., KI7GFJ



Some of the crowd and a couple well-stocked tables of items up for bid.







Tuesday, April 19 Club Meeting at 7:00 PM

Location: Mesa's Charles K Luster Building and Zoom

We welcome visitors in person or via Zoom: Please email the <u>President@SuperstitionARC.org</u> at least a full day in advance for the Zoom link.

Our Member Clubs entry on Page 3 has general information about the club meeting schedule. I do not have program information at this early date to offer.

147.12 and 449.60 FM Repeaters Replaced

The Technical Committee installed programmable Motorola repeaters at Usery Pass and the

Stone Castle site on February 26. The Yaesu Fusion repeater on 448.275 was left untouched on

Usery Pass. We still need to balance some audio levels.

We advise you to either use Narrow deviation, reduced mic gain, or back off from the mic on the 147.12 until the crew can get back up there to set the audio properly.

The antenna for the 147.12, pictured with Brent (W7FK) and Dan (W7TWR) on the tower beside it, has all four elements facing southwest across the city. The antenna is a massive four-element collinear array, and each folded dipole is individually directionally adjustable. The old antenna was divided between the wide view to the southwest and a narrow view toward the southeast.

Pictures from Usery Pass, including a view to the southwest over the city of Mesa, appear right after this column. I have more pictures from January's repeater work that I will use in the next issue.

Brian (W7JET) and Ed (K7EDT) installed the repeater. Meanwhile in the Stone Castle, Dennis (KA0OBC) and Bob (N8ANV) were busy putting in the new UHF machine. Steve (KB7KWK) advises me that Matt (K7YEG) was also at the Stone Castle.

Arizona Mesh Organization President Michael (KI7LXY) and Charles (WY7R) led the AMO work at Usery Pass, installing three mesh nodes. They put new antennas on the tower and re-aimed some that were blown off-course by the wind. Angela and John, not yet licensed hams, led by Chris (KJ7ZQP) ran Internet cabling between their building and ours. We use Internet linking to tie the Fusion repeater to WIRES-X, and we could eventually install our EchoLink node on the 147.12.

By the time that you read this, the system should be back up and running in proper order.

Superstition Continued from Previous Column

Club President Steve (KB7KWK), Jeff (N7CCW), and Brian (call unknown) were also on hand to help. People on the ground had to hand the antenna to the guys on the tower (pun intended) and a crew was busy clearing weeds around the Stone Castle site.

My thanks to KI7LXY for providing me with the calls of all who helped out. His information also corrected a transposed callsign in the Communicator, that of Chris (KJ7ZQP). My thanks also to KB7KWK for providing his detailed article in the Communicator.

The Usery Pass radio site is situated at the base of two mountains. Usery Mountain, which is the one with the "PHOENIX" aeronautical navigation aid printed on its side, is to the north and an unnamed mountain blocks our view to the south. The broadcast tower is situated north of the ham tower, and its added distance from the southern mountain give it a better shot at coverage to all directions. We might benefit, too if we were higher on the ham tower for gaining greater coverage around that mountain to our south. But, there are some 14 repeaters at this site!

The President's Corner

By Steve, KB7KWK

I hope everyone is doing well. It seems that the COVID pandemic is finally starting to slow down and people are getting out more these days. I have noticed at the last couple of club meetings that we have had more people attending. It is good to see club members back together. At the last club meeting we had around 30 people in the room and around 30 on the Zoom link. We will continue to use Zoom at our meetings for a while. We hope to get all of you back to meetings in person.

At last month's meeting, we had a presentation on the NanoVNA tester. We had a lot of interest in this topic and people gave good reviews on it. Of course, we will try to keep bringing good presentations to the club meetings. Please let us know if there is a topic you would like to see at a meeting.

The Tech team has been working hard to keep the repeaters operational and sounding good. On February 26th, the team made much needed improvements. See the lead article in this newsletter for all the details.

We have noticed a small number of people who have not renewed their membership with the club. We hate to see people go. If you are having trouble with the website, please email a Board Member and they can give you a hand. If you are not renewing your membership for other

reasons, again, please let us know if we can help with anything. I hope to see everyone at the next meeting and I will catch you on the air. 73 for now.

Deadlines to Include Your Input in Our Publications:

This April ADAW hits your inbox in late March. Please

Superstition Continued from Page 17

submit articles and information for inclusion in the May issue of this column and for the April issue of the club's Communicator Newsletter.

For this publication:

Please email <u>WB7C@SuperstitionARC.org</u> with your input by the 5th of April. ADAW will publish to club members in late April.

For April Communicator:

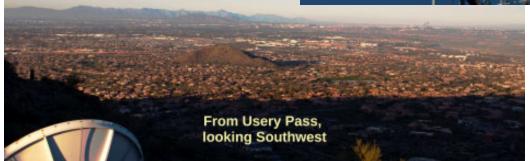
Please email <u>Editor@SuperstitionARC.org</u> with your input by the 27th of March. The Communicator will publish to club members in early April.

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

ADAW

<u>Output</u>	<u>CTCSS</u>	<u>Links To</u>	Mode
147.120 MHz +	162.2Hz	449.600*	FM Only
449.600 MHz -	100.0Hz	147.120*	FM Only
448.275 MHz -	100.0Hz	WIRES-X	Fusion
* Also Links to E	cholink Noo	le: WB7TJD-	-L
~ ~ ~ ~			
Club Nets			
Morning Drive T			
Saturday Supers			
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Mesh Information Steve, KB7KWK Fusion Confusion	on Net: Thu n: Monday &	rsdays, 7:00 P & Friday, 8:00	PM - Net control PM - 448.275
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> Thank you to all who visited us at the Yuma Hamfest 2022. It was a great success and we appreciate all your support. From everyone at HRO Phoenix - "Keep Radio Active."

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