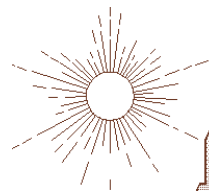


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 45, No 9 September 2020

CLUB MEETING SCHEDULE

SARC

Sep 2nd - 7:00 PM
On Line

AARC

Sept 10th - 7:00 PM
Repeater - Echolink

OPRC

Sep 9th - 1:30 PM
?Big Heart Coffee - Tucson?

TBARC

Sep 17th - 6:30 PM
Via Zoom - See Website

CADXA

Sep 3rd - 7:00 PM
via ZOOM

ARA

Sep 24th - 7:30 PM
Electronically

MARCA

Sep 15th - 6:30 PM
TBD Check Web Site

MARA

Sep 5th - 9:00 AM
On-Line

ARCCC

Sep 8th - 9:00 AM
Via Microsoft Teams

SuperstitionARC

Sep 15th - 7:00 PM
Via Zoom-Repeater-Echolink

ANSR

Sep 17th - 7:30 PM
via GoToMeeting

OVARC

Sep 18st - 7:00 PM
Via Zoom

ATN (VOAR)

Sep 20th - 6:30 PM
Dennys or On-line

AMO

Sep 10th - 7:00 PM
Charles K Luster Bldg

CARL

Jan 16th, 2021 - 12:00 PM
Arizona Science Center

WVARC

Sep 7th - 7:00 PM
Via Zoom

YARC

Sep 3rd - 7:00 PM
TBD - Check Website

KARC

Sep 10th - 7:00 PM
On Air 145.310(-) PI 110.9

CHRC

Sept 12th - On-Line
9:00 AM

QCWA-AZ Chapter

TBD - 9:30AM/10:30AM/TBA
Phoenix/Prescott/Tucson

SunLifeARC

Every Monday - 10:00 AM
Via Zoom

MMRG

TBD
See Web Site

ADAW Member Clubs

ARIZONA AMATEUR RADIO CLUB

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

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

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

SCOTTSDALE AMATEUR RADIO CLUB, INC.

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

President	James Wasson	N7ELL	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	K00TZ	
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	Mike Baker	K7DD	vicepresident@w7tbc.org
Secretary	Andrew Cornwall	KF7CCC	secretary@w7tbc.org
Treasurer	Walt Reinert	NJ8G	treasurer@w7tbc.org
Directors	Clair Wyant	KG7MAJ	kg7maj@w7tbc.org
	Rick Tejera	K7TEJ	k7tej@w7tbc.org
	Kenneth Charleton	K4FZH	k4fzh@w7tbc.org
	Nic Holladay	K7CLI	k7cli@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.

OLD PUEBLO RADIO CLUB

The Old Pueblo Radio Club meets the **SECOND WEDNESDAY** of March, June, September and December at 1:30 p.m. at Big Heart Coffee, 4802 E 22nd Street in Tucson. Visitors are welcome.

President	Ron Kalish	N7SPW	520.207.3852
Vice President & Treasurer	George Devich	N9IUK	520.760.0125
Board of Directors:	Jim Ulmer	KC7THU	
	Lin Donnelly	KF7CNR	
WebMaster			

Mailing address: OPRC, P.O. Box 42601, Tucson, AZ 85733-2601. DUES: Individual - \$20.00/YR, Family - \$30.00/YR.

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.



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 THURSDAY** of each month On-the-Air at 7:00 p.m. on 145.310 MHz - (110.9 PL).

President	Randy Beecroft	W7RJB	
Vice President	Jim Mortensen	W7AZY	
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	Andy Keels	KD4ABB	480.622.4000
Vice President	Ed Taggard	K7EDT	480.813.7440
Secretary	Brent Butler	W7FK	480.332.1141
Treasurer	Bryan Hubbard	KF7DPC	480.205.8122
Board Members:	Jeff Harris	K2DFE	602.617.6930
	Jeff Heinze	N7CCW	480.720.7908
	Bob Thomas	N8ANV	239.253.8279
	Larry Fort	AB7C	480.861.7066
	Don Rollock	W2EUL w2eul@yahoo.com	
	Fred Atkinson	WB4AEJ	602.464.4406
	Steve Estes	KB7KWK	480.251.0551

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.cadx.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.cadx.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	sandymeadow2@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/>.

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

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) is a group of radio amateurs that promotes video operation on linked repeaters and mesh networks. Our business meetings are in January and July. Monthly social meetings are the **THIRD SUNDAY** of each month at 6:30 PM at Denny's in Tempe or whereby.com/amateurstvnetwork. Watch our nets on Wednesday and Sunday at 7:00 PM AZ time and Tuesday at 7:30 PM CA time. Video streams are on www.youtube.com/amateurtelevisionnetwork, search for W6ATN Live or W7ATN-Mesa Live. Send your live video to whereby.com/amateurstvnetwork, W7ATN-Arizona and W7ATN-Mesa. Check in on whereby.com/amateurstvnetwork, 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: 940 "ATV Talk" and 31024 "ATN"

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. Membership dues are \$75 annually. Affiliates are 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
	Joe Fitzgerald	KV2H
	David "Cee" Putman	W7DCP
	Tom Smith	WA0OFO
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 10:00 a.m. at the Greenfield Village RV Resort located at 99 South Quinn Circle in Mesa. Meetings are held in a gated community. 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. Check in using Echolink Node W7ASL-L. Nick, AA7QK provides this service and will assist you.

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

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	Debbi Smith	KJ7MIQ	sec@chandlerhams.org
Treasurer	Byon Garrabrant	N6BG	treas@chandlerhams.org

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

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>



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**

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



Here we are past the midpoint of summer. Is it getting any cooler? Thanks to lots of patience by our members, we are getting very used to seeing each other on ZOOM. As difficult as it is, at least we're able to see each other and talk about ham radio.

With great pleasure, I would like to announce that OVARC member Laura Hakenbrock-AB7BB won the first ever worldwide "Day of The YL" contest that was held on May 24, 2020. Congratulations Laura!

After the August 1, 2020, board meeting we unanimously decided to cancel the November 14, 2020 Hamfest. This was such a difficult decision as we know so many enjoy this event. Now that we have done this, we will just have to make sure that the 2021 Hamfest is the best one ever.

At the end of 2020, 5 directors' terms will officially expire. The terms for Gary-AE7GP, Tom-W7TRA, Mike-K7VTT, Marnie-KG7SIO, and myself, Steve-W1SR will officially expire. I have asked directors if they would like to consider serving for another two-year term.

Our transition to an all-digital network is progressing nicely and our Sunday evening net is now on Fusion and going along flawlessly. Once known as the Keystone repeater, it has been renamed to Metro in order to remind us that this is now a Fusion repeater.

Our Saturday morning Hams & Eggs Breakfast has now transitioned to an on-air event. On Saturday morning at 7:00 AM, many members enjoy conversation operating simplex on 146.43 megahertz.

Please stay well and get on the air.

73, Steve-W1SR

The most important Arizona Amateur Radio Club activity on our agenda will be past history when you read this. Our testing session will be on August 29, and at present, it looks as though we will have a busy session, or several sessions, at the American Red Cross Building that day. Our test sessions are at the Red Cross building, 4747 N. 22nd Street, a couple blocks south of Camelback and just north of Highland on the east side of 22nd Street. Our test time is 10:00 AM, but we probably will have more people signed up than we can accommodate in one session, so we will add a 1:00 PM session. Is there any doubt whether ham radio is a dying entity? Obviously not! Our recent test sessions have shown enthusiastic future hams! Our next session is September 26 at 10:00 AM.

Join us on Thursday evenings at 7:00 PM for the Arizona Amateur Radio Club's weekly net. We thank Lee Walters, W7UXZ, for allowing us to use his repeater for our weekly net on 147.060 MHz. We also have an Echolink connection. Connect to W7IO-R or K7GH.

73,
Lori, WA7EDI



Happy Labor Day!
September 7, 2020

ADAW

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AMATEUR RADIO SERVICE DEMONSTRATION STATION

W7ASC is a Demonstration Station for the Amateur Radio (public) Service. The volunteers who operate the station are members of the Center for Amateur Radio Learning (C.A.R.L.), a 501(c)(3) corporation. W7ASC is open to all visitors to the Arizona Science Center (ASC) during those hours when the Arizona Science Center is open. The station is located on the third floor of the Science Center in the “My Digital World” gallery. Our direct phone number is 602-716-2082 (currently unmanned) & our website is W7ASC.org.

This is really a challenge! Your faithful scribe has been asked once again to look into the future and pen the newsletter in advance of the period of its publication. Thousands of ADAW subscribers are being asked to trust copy that appears in September’s ADAW, but it is actually being authored in late July!

That fact places a severe burden on the author. Month after month, the forecast must be accurate as thousands of readers make major decisions based in the reliable information that is to be found in ADAW – and especially in the W7ASC newsletter. A question has bubbled up here. Could the skill required to write the W7ASC newsletter have other applications?

Consider, for a moment, the implication if this author could create, as an example, an issue of the Wall Street Journal a week in advance. The W4CIH station could then be located on a private island. Lunch delivered daily by AJ Fine Foods.

Sure! But then, who would author the W7ASC newsletter?

CARL Continued from Previous Column

There is a hidden flaw in every great plan. The Nazis had a plan for a thousand-year rule. Minor glitch . . . WW II was the flaw in that plan.

Getting back to reality, our public demonstration station W7ASC has been quiet for several months at this writing. Our station is located within the ASC building, so when ASC is closed the station is closed as well. The volunteers who normally operate the station have no place to volunteer.

Once the virus has been defeated and ASC reopens, W7ASC will again need volunteers to teach Morse code, answer questions about Ham radio and demonstrate Ham radio to the visitors. That is not happening as yet. We are, however, fairly certain that Covid-19 cannot be spread by radio.

In order to hold C.A.R.L. together with a side benefit of fighting off cabin fever, Jack KD7ROB, our C.A.R.L. President, initiated a twice-weekly net held at 0900 local time every Wednesday and Saturday on the 440.375 MHz repeater (with thanks to Ron AJ7T, owner/operator). Our first order of activity is a check in of C.A.R.L. members by our rotating Net Control. Since this is an open and informal net, any ham is welcome as a visitor. Please join us!!

More recently, a ZOOM net has been initiated by Jim N7BBS, our C.A.R.L. Vice President. This net meets on Saturday at 10:00 AM local time following our 9:00 AM UHF net. Since admission to the ZOOM net requires an email invitation, contact Jim to request an invitation if you would like to join this stimulating group (though some appear a little unkempt these days - hi hi!). Attendance does not even require a ham license.

These net operation and ZOOM conferences remind us that in disasters and emergencies, hams are first and foremost communicators. We are often called upon to provide communications involving both ham and non-ham groups. To be effective communicators in that scenario, it’s not enough to just operate in several radio modalities. We must add forms of



Screenshot of the C.A.R.L. ZOOM Net attendees on Saturday, 25 July.

CARL Continued from Page 8

social media and distance learning to our arsenal. Perhaps, in the not-so-distant future, Field Day will have a “mixed-modality” category.

Dear ADAW reader, please be assured that this scribe will keep working to improve the quality of the predictions to be found on these pages. Contributions, comments, questions and complaints may be phoned to the author at 480-664-7353, or sent via email to jeanjol@hotmail.com.

Stay healthy and keep active on Ham Radio!
73 de W4CIH

>> Contributed by Sam N7INV<<

During the last few months, I have had the opportunity to become more involved with my radio hobby at home as volunteering at W7ASC has not been part of my weekly regimen.

Without the W7ASC station available, I re-erected my 20-foot tall inverted-vee fan dipole antenna to get on the air for Field Day. My wife was gracious enough to let me use the kitchen table for my station so I could operate as class 1D.

I started performing net control operations for the first time thanks to Jack’s KD7ROB inquiry for our CARL Net. Being someone who actually liked to run meetings & make presentations before retirement, I found that I really enjoy doing this! The task was certainly made easier thanks to a basic net control script that Jim N7BBS provided to our group of rotating net controls - Jim, Jean, Jack, & myself.

During the last few months of isolating, more and more webinars, live streams, & videos have shown up online documenting everything from true genius to the absolutely inane. I received an offer on Facebook to view webinars from Rhode & Schwartz, a high-end RF test equipment company from Germany.

I have taken seven of their webinars so far (in English) on topics including RF fundamentals, direction finding, & quadrature (I/Q) signaling performance measurement. These high-quality professional webinars have been a nice refresher course on technologies that I was involved with professionally for a dozen years when Motorola was still around the Valley.

This weekend, I am taking advantage of the QSO TODAY VIRTUAL HAM EXPO premier weekend. I have enjoyed a couple live streamed presentations so far. More than sixty presentations will be available on-demand through the first week “or so” of September on this unique virtual exhibition platform. I look forward to watching more speakers and looking at the vendors in the virtual “Exhibit Hall” in the coming weeks as I try to beat the Phoenix summer heat!

ADAW



Once a year, the Amateur Radio Council of Arizona (ARCA) presents two awards, the ARCA Ham of the Year and the ARCA Young Ham of the Year, to individuals who best embody the spirit and community service aspects of Amateur Radio. Affiliated clubs nominate hams they feel have contributed outstanding service and dedication to the hobby.

At ARCA’s annual meeting held online on July 25, 2020, Angie Buchanan, N7EMB was announced the winner of the 2020 ARCA Ham of the Year Award. Angie is best known for starting the “Gal’s Night Net” six years ago. This “ladies only” net is geared toward helping female amateur radio operators get more confidence behind the microphone. In addition, Angie can be found assisting at charity events throughout Tucson, serving as Net Control operator for her club’s Sunday night net, and even helping to run the “Santa Net” which allows children to speak with Santa Claus via Amateur Radio. She is a regular promoter of Amateur Radio and is very involved in public relations. In addition, Angie produces, edits and publishes her club’s newsletter. One very busy lady who is very deserving of this honor.

Annika Smith, KE7JOY was awarded the ARCA Young Ham of the Year award. Seventeen year old Annika comes from a family of radio amateurs and is an active participant in special event, such as the annual El Tour de Tucson Bicycling event. She is a weekly net control station for the Saguaro NTS Tucson, Arizona. She has a passion for Amateur Radio and is always willing to help wherever needed. Annika is an accomplished pianist and plays at nursing homes, in recitals, and at Christmas parties. She is very active with charitable endeavors in the Tucson area.

ARCA also awarded a \$2,500 scholarship to Charles Loftus, Jr., KI7DUV who will be pursuing a degree in engineering. Charlie was a major player, and performed much of the physical labor, in the refit of the Pinal repeater site owned by the Arizona Repeater Association. Charlie is an Eagle Scout and active with the Explorer Post 599. He will be pursuing an Electrical Engineering degree at Arizona State University.

The Amateur Radio Council of Arizona is a statewide organization comprised of Amateur Radio clubs from all parts of Arizona. For over sixty years, ARCA has brought Arizona clubs together to combine their ideas and strengths to promote and encourage activities that will benefit Amateur Radio. The council sponsors club hamfests, awards scholarships, recognizes outstanding service and contributions to the community through merit awards, and promotes education and service to the community and emergency communications in the state. ARCA also sponsors and funds the Arizona VHF/UHF Frequency Coordination Committee.



Public Service Calendar

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Mogollon Monster 100	Pine	CANCELED 09/12/2020
Barnburner Mountain Bike Race	CANCELED	09/19/2020
	Kendrick Peak (NW of Flagstaff)	
ADA Bike Rides	North Phoenix	03/13/2021
Arizona Emergency Net - Maricopa Picnic		05/15/2021
	Payson, Houston Mesa Campground, Fox 2 Group Site	
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.

HELLO ALL,

While I am attending the 'first HAMFEST on the internet' I am starting this document between speakers. For a 'first' they have done a fantastic job. The access is a little difficult, but functional. The correction of this difficulty should be simple. I have noticed that I have more opportunity to see the programs because I am not interrupted by bumping into friends and getting into a QSO and missing the program. ALSO, at this point I understand I can access the recorded programs and save them onto the computer. I hope that is true. I have missed some because of timing conflicts between programs. If this is true, I will capture the programs and save them onto a thumb drive for presentation on our club meetings on line or at a general meeting when they occur.

The presentations at this HAMFEST covered frequencies from VLF (below the broadcast band) through lower HAM frequencies and microwave technology over most HAM bands being used.

I must thank Pete W7GDU for stepping up and taking over for me as NET CONTROL of the SARC net. I have some medical issues that I am not capable to fill that position.

With all the Pandemic issues, this continues to be a confusing and crazy month, with more months probably following. There is a high probability the meeting locations will basically be closed through September. With that, SARC will continue its meetings on line. The meetings have been excellent and well received. We have had an attendance of 20 to 30. To attend the meeting, check our WEB SITE for instructions on how to attend (www.scottsdalearc.com). One of our members seems to have survived the covid-19 and is expected to leave the hospital shortly.

With the arrival of Summer heat we have terminated the HIP (Ham in the Park) until next fall. We do have our Club NET Tuesday evening on the club repeaters. Time is 7:00 PM. Our Club breakfast is postponed until the mask requirements are lifted.

On a personal note:

I am still being visited by some large birds roosting in my large trees and on one of my towers. They are a large Barn Owl and a male and female Bald Eagle, and various vultures and a raven. Some of the results from these visitors are that most of the wild rabbits have disappeared in my area of Scottsdale

73's, Paul W7EFQ

ADAW



**Patriot Day
September 11th**

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.



Hamfest Calendar

26 September 2020 - **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 - 9:00 AM - 11:00 AM. Free Admission and Buyer Parking. Tailgate Spaces \$10 per Parking Space. Free VE Testing at 9:00 AM - GOTA Station - QSL Card Checking - Prizes, Snacks & Beverages Available for Purchase. No Alcohol, Drugs, or Firearms. Talk-In Frequency 146.800 FM Tone 156.7. For Information & Map, visit <http://www.k7tuc.org>

10 October 2020 - **ATN Surprise Hamfest** - hosted by the Amateur Television Network will be held at 12983 W Grand Avenue in Surprise. Hours are 7:30 AM until 12:00 Noon. General Admission: \$1 per person. Tailgaters, Vendors & Club Booths are \$10 per space with set up beginning at 6:30 AM. Early Arrival and Camping May Be Available. Contact Bob Minnick, W8ARZ at povertyflatz@yahoo.com for space and booth reservations. Talk-In on 448.400 MHz FM PL 100.0. Direct questions to Rod Fritz, WB9KMO at wb9kmo@gmail.com.

24 October 2020 - **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.

7 November 2020 - **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. Watch for more details.

7 November 2020 - **HARKfest** - hosted by the Hassayampa Amateur Radio Klub will be held at North Ranch Escapees RV Park, 30625 S Hwy 89 in Congress. ARRL Card Checking, Free Admission, Free Tailgate Sites (Pre-Registration is Required. Email: bridges.slt@gmail.com) Overnight Camping (Full Hook-Up or Dry) is Available (Pre-Registration is required for camping northranch@escapees.com) Tailgating permitted at campsite. Free VE Testing via LARC VE testing - Must Pre-register via email to cecarter39@yahoo.com - Prizes - Arts & Crafts Show at the Activity Center 9:00 AM - 2:00 PM. Lunch will be served at the Activity Center. Talk-In 146.620 (pl 162.2) or 146.580 (simplex) Visit the web site at harkaz.org for up-to-date information. Questions? Email Duane Grooms, KD0KYK at djgrooms@yahoo.com

14 November 2020 - **Oro Valley Hamfest** - hosted by the Oro Valley Amateur Radio Club will be held at Marana Middle School, 11285 West Grier Rd in Marana. Gates open at 7:00 AM, closes at 1:00 PM. Admission is \$5.00 which includes a bottle of water. Children under 12 with a paid adult and students with any Arizona school ID are free. Sellers spaces are \$10.00 per space and includes seller's admission. Indoor VE Session with pre-registration preferred, but not required. Send an email to pre-register (email licensing@tucsonhamradio.org). Interesting Seminars - ARRL Card Checking and LOTW Assistance at ARRL Booth - Food Truck for Breakfast and Lunch. Contact hamfest@tucsonhamradio.org for more information. Visit the website at www.tucsonhamradio.org.

5 December 2020 - **Superstition Superfest** - hosted by the Supersition Amateur Radio Club will be held at Mesa Community College, 1833 W Southern Ave in Mesa. Hours are 8:00 AM - 4:00 PM. Admission is \$5.00/person (includes 1 door prize ticket) and children 12 and under free. Tailgate is \$10.00 for 2 spaces which includes 2 paid admissions tickets. VE Testing will be available. Registration is from 8:00 to 9:00 AM with testing beginning at 9:00 AM. ARRL Card Checking, Special Event Station, GOTA Station, Fox Hunt, Prizes, Live Music, and Food Vendor will be available. Contact the Hamfest Chairman at chairman@superstitionsuperfest.org for more information.

ADAW



Happy Grandparents' Day
September 13, 2020

ADAW



General meetings - on Zoom for now

Our July general meeting was the second on the TBARC Zoom account, and things went very smoothly. The presentation was “Programming Handheld VHF/UHF Radios: Stories from the Field” by Andrew, KF7CCC. Being able to change the programming in your handheld radios is a useful skill! The August meeting will be done when you read this, but the September meeting will also be on Zoom, so join us for the fun and camaraderie! Things start happening at 6:30 p.m. with general socializing, then the business meeting around 7:00 p.m., and then the main presentation. The URL is on the website - w7tbc.org - on the front page, and you should be able to bookmark it for the future. Join in even if you aren't a member — we welcome guests as well! See you there!

Could you be the next Membership Coordinator?

Clair Wyant KG7MAJ has been taking care of the membership coordinator role for at least the past four years. Now the time has come to pass that on to someone new. Clair will be there to help transition things, If you're interested in the future of the club and want to start learning more about how things run, get in touch with Clair (membership@w7tbc.org) or Charlie (president@w7tbc.org) for more details.

VE sessions setback

Due to a mixup at the Northwest Christian School, the recent VE sessions for June didn't happen as planned. Our usual contacts were absent, and that meant we didn't have the rooms we thought we had. This seems to have been straightened out, so we expect that going forward we will hold sessions with masks required, social distancing rules and temperature checks. If you've been studying for an upgrade or a new license, we'd be happy to help you get it! Sign ups are strictly limited, so email ve@w7tbc.org to get more details and put your name on the list.

Can you do a presentation?

Among the many things disrupted by the ongoing pandemic is Israel's carefully-planned presentation schedule. Some presenters don't have the capability to operate over Zoom. Can you? If you have a topic that you'd be interested in speaking about for 30-60 minutes (or a mini-topic that you'd like to speak about for under 15 minutes) then get in touch with

There is not much to report from MMRG this month. Both Mingus repeaters are working OK. From reports I hear the downtown Phoenix 147.280 repeater is working fine also, but is sadly lacking activity.

The 442.150 Fusion repeater has quite a bit of activity from time to time as Tom WN7E has the Texas Nexus room connected to it quite often, so you hear people there from all over but mostly Texas. There is also occasionally a foreign station connected there as well.

73 Bob K7POF



*International Day of Peace
September 21, 2020*

TBARC Continued from Previous Column

Israel at k7hi@w7tbc.org. It's a lot easier to speak to your computer than to speak in front of a room full of people — so share what you know with other club members. They're eager to get excited!

When will we see you in person?

Things are still in flux, but we have no official word from Northern Arizona University about a meeting location. We have started looking into plans for a hybrid meeting — partly over Zoom and partly in-person — because we know that even when meetings are allowed, some people may not be comfortable with mixing socially. At the very earliest, that might happen in October, but that depends on our hosts and their decisions. We will continue to keep you updated. As always, keep your eye on the website, w7tbc.org, to stay informed about the latest!

Andrew Cornwall KF7CCC
kf7ccc@arrl.net

ADAW

Continued Next Column

License Testing Information

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

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

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

September Test Sessions

Sep 1st - 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 - Call Ahead

Sep 15th - Hassayampa AR Klub -- 2:00 PM

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

Sep 8th - WARC -- 7:30 PM

Senior Circle Bldg, 2728 Silver Creek Rd, Bullhead City
Contact - Carolyn Krick 928.897.7439

Sep 16th - Thunderbird ARC -- 6:00 PM

<https://www.w7tbc.org/ham-radio-license-ve-exams/>
See Website for Location
Contact - Walter Reinert 602.668.7804
No Walk-Ins / Call Ahead

Sep 12th - Yavapai ARC -- 9:00 AM

The Church of Jesus Christ of the Latter Day Saints,
7073 Pronghorn Ranch Pkwy, Prescott Valley
Contact - Donald Bauer 928.775.4690
Pre-Register online: www.w7yrc.org

Sep 19th - Hualapai ARC -- 10:00 AM

Fire District Station 31, 2485 E Northern Ave, Kingman
Contact - Alyce Ingle 425.231.9123

Sep 12th - Yuma ARC -- 9:00 AM

Yuma County Sheriff's Office, 141 S 3rd Ave, Yuma
Contact - John Ham 970.927.3273
No Walk-Ins / Call Ahead

Sep 26th - Arizona ARC -- 10:00 AM

American Red Cross, 4747 N 22nd St, Phoenix
Contact - Gary Hamman 602.996.8148
No Walk-Ins / Pre-Register Required by Thursday, 9/24

Sep 14th - East Valley VE Team -- 6:00 PM

640 N Mesa Dr, By the Flag Pole, Mesa
Contact - Fred Bollinger 480.242.8606
No Walk-Ins / Call Ahead

Sep 26th - 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 / Call Ahead / Limited Seating

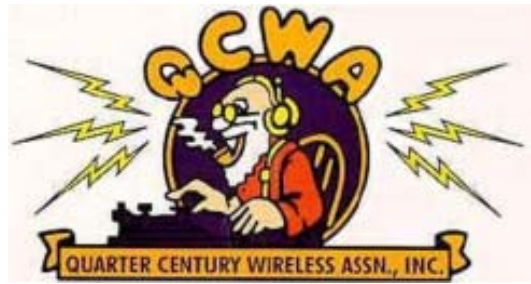
Sep 14th - Radio Society of Tucson -- 7:00 PM

Biscuits Country Cafe, 7026 E Broadway Blvd, Tucson
Contact - Diane Zimmerman 520.6

ADAW



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CHAPTER 16 BARRY M. GOLDWATER ARIZONA CHAPTER

Due to the ongoing situation with COVID-19, the September 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 next meeting will be Thursday night, September 3rd, 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.

The September program will be "The Joy of Being a Double-Multiplier: Operating the CQWW CW Contest from Ascension Island - ZD8" by Alan Higbie, K0AV. Alan lives in Colorado Springs where he is active in CW contests. Throughout his entire ham career, he has had the good fortune to have excellent and patient mentors. Raised in the San Francisco Bay Area licensed as WA6PMK, he was one of the first members of the Northern California Contest Club (NCCC). He operated for three years from West Berlin as DL4QQ. He later lived in Anchorage for six years as AL7H, and since returning to the lower 48, he has been in Colorado as K0AV.

At the August meeting, Adrian, KO8SCA, presented "A50BOC: Bhutan, The Land of the Thunder Dragon." Adrian had the opportunity to participate in an expedition to Bhutan with a small group led by Zorro, JH1AJT. Zorro has led many DXpeditions as part of his humanitarian efforts with the Foundation for Global Children (FGC) including several past trips to Bhutan. The group stayed at and operated from Royal Thimpu College surrounded by the sky-high mountains that make Bhutan so challenging to contact by radio. You can see the video of Adrian's program on YouTube at <https://youtu.be/vVK3JJ4rnvU>.

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 cadxainfo@gmail.com for details.

See you on ZOOM for the September meeting.

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.

ADAW

73,

Larry Loen, WO7R

ADAW



KARC Continued from Previous Column

Rainbow, or two. Whimsical wonderings and burgeoning thoughts may lead us to ponder for a few childlike moments, “Just where is that Pot of Gold hidden that I’ve always heard about?”, and “If I can run fast enough just over there, I can touch the Rainbow and be in all of the colors!” But presently, we return to ourselves and realize what we’ve grown to know over the years. A smile gently frames our face and makes our eyes appear to squint because our smile is from ear to ear. It’s in that moment we realize that Family and dear Friends is the true Treasure of the Pot of Gold and the color brought into our lives was enriched by many and those relationships won’t fade as the mist of a Rainbow does with the passing of the stormy weather.

A big September HOWDY to Everyone, from the Kachina Amateur Radio Club!

Hats off to you All! August was somewhere between hot and swampy to just plain hot; however, our nighttime temperatures were great! We are higher up in elevation, closer to the sun, yet still we are better off than being on the desert floor. We sweat enough to where we can wash our face with the sweat that rolls off of it! They say you can lead a horse to water but you can’t make him drink, well if he’s been working hard enough and sweating or has had enough of that old salt-lick he may strongly consider it! Cool drinks have been on everyone’s checklist on a daily basis. If you look close enough as you drive by your neighbor’s cattle or horse water trough you might just spot a very thirsty gopher, prairie dog, crow, lizard or person putting out elbows amongst the livestock to make room so they can get a cool drink from the dripping pipe coming from the windmill, along with their Handy Talkie hanging off of their pocket because they can’t get cell service!

Everyone seems to be doing well on the ranch and small homestead farm of gardens and animals. Both are looking healthy and happy. Lush, green vegetation and the slick summer coats of the wild and domestic animals make for many picturesque memories to play like a slideshow when winter comes to adorn us with her sparkly, white winter blanket. Those who have been working diligently in their gardens have been seeing some of the fruits of their labors come to fruition sharing their bounty with many. The rain up here brings welcome water for our garden, animals, forest, streams, lakes and aquifers.

Haven’t heard much on the fishing reports from people and the results of them wetting their hook, but I’m sure somebody caught the big ones and is eating well while the rest of us just tell the stories of how our lines broke and the never-ending question of “What type of bait are you using to catch all of those?!” And when the fishing is really bad, and you’re all out of bait or it’s dried up, all your line is tangled and brittle or your pole broke, you strike up a conversation with your neighbor who’s sitting four rocks over from you and you begin to tell them how you can talk to people far away and don’t have to worry about cell phone bars. So, then the time spent fishing may not have been so productive, but you’ve made a new friend and introduced them to the world of Amateur Radio!

As we breathe in the wonderful scent of new fallen rain in the mountains our eyes cast upward toward an ever-appearing



Double Rainbow near Tal Wi-Wi Lodge just off of the Alpine Divide, Alpine, AZ

These Rainbows were visible from Eagar too. It’s amazing when Rainbows show off their vibrancy with such color saturation and brilliance in the sunlight! A delight for the eye to behold.

Summer brings plenty of sunshine hours not only to work in, but also to play and enjoy our hobbies and recreational activities. Families enjoy their time of fishing and geocaching. Double the fun when sitting still holding a pole gets to be too much for anxious little legs and feet. The laughter of little ones truly makes summertime so much more fun. It livens up most any neighborhood, place or gathering. It’s also a great time to invite others to get on the Radio for some Third-Party traffic. People are happy to take a break from their regular grind of

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duties and chores and explore something different. It's just one way to feeling great, learning a new and exciting hobby. The more wholesome things that we seek out the more interesting life can be. It keeps our minds fresh and sharp and our morale high, because great new experiences refresh our souls. The more opportunities that we can provide for people to enter into this hobby, the more we can improve the togetherness of our communities. Give them something good and worthwhile to put their energies toward and the world will seem a better place. Perhaps it could even be considered another type of safe harbor for people to come and anchor in place for a while where good, friendly conversation and smiles are the order of the day. Sometimes there's even good food involved!

Jim Mortensen W7AZY shared some of his knowledge when he gave a presentation on Emergency Radio Communications to a group in Taylor, Az. in July. The presentation was centered around The Importance of a Good Antenna for Effective Communication. Way to go Jim! He's just one of many up here who help out with information when people are seeking to understand more of what Amateur Radio can do for individuals and a community.

On Saturday, August 1st, an Amateur Radio Licensing V.E. Test Session was held by the White Mountain V. E. Team at the Taylor Fire Station in Taylor, AZ. Thank you Taylor Fire Department for making your facility available for this purpose. If you have any questions about testing up here you can contact the W.M.V.E.T. at vetesting@cablone.net

Here are the results from that Test Session:

- Owen Rhoton KJ7PNI – Technician
- Bryce Rhoton KJ7PNJ – Technician
- Bill Turley KJ7GYH – upgrade to General
- Ken Josten KG6EIF – upgrade to Extra

The Kachina Amateur Radio Club offers a free first year Club Membership to those who tested for their Technicians license and passed, with the White Mountain V.E. Team. They just need to fill out a Membership form which can be found in their new Welcome packet or on our website at www.kachinaarc.org

Congratulations to All of you! A lot of hard work and a lot of encouragement was the ingredients in this mix of success! Owen KJ7PNI and Bryce KJ7PNJ are the sons of Blaine Rhoton KI7WFH. Having a father that's into Amateur Radio is a great household example and there were others who influenced them to pursue this hobby, too. The two boys have been on the Airwaves making friends with other Hams up here already! They have been doing great as we have heard them get on the Air and be Radio Active! Bill KJ7GYH and Ken KG6EIF upgrading to General and Extra, respectively, have made a great achievement as well! That's a lot of intensive studying taking place. It is very challenging and rewarding. Hearing of people getting their Technician License or

Continued Next Column

Upgrading is inspirational to others to jump in and get to studying and not giving up when it may seem overwhelming.

Our Monthly Meeting was held On the Air Thursday, August 13, 2020. We will be having a Fox Hunt at our upcoming Club Picnic. To help get everyone prepared a Presentation on Antennas for Direction Finding was given. It covered these three types: 1. Aluminum Foil Cylinder with a Vertical Slot 2. Simple Loop Antenna 3. Tape Measure Yagi Antenna.

This month we will be having our Kachina Club Picnic/ Meeting. It will be held on Saturday, September 12 at the Beecroft Family "Hangout." The Beecroft Family is welcoming the Kachina Amateur Radio Club Members and Friends to come and enjoy some time with each other in their out-of-doors venue. We will eat at 1:00 p.m. The menu will be Pulled Pork and Potluck. We sure have some great cooks up here! After we eat, we will have a Fox Hunt. So, bring your Direction Finding Equipment if you'd like to participate in the Fox Hunt! If you don't know what a Fox Hunt is, come and learn, or even if you do, it will be a fun part of the day to participate in or to watch as a spectator! The picnic will last as long as the folks care to visit with one another.

If you find yourself up here in the area, we'd love to have you join in with us on the Green's Peak Repeater Net. It's held each evening at 18:30 hours on 145.310 MHz. PL -110.9, or you can call on the 146.700 E.A.A.R.S. as a lot of us monitor that frequency as well.

Enjoy September and Keep Bending the Airwaves!

Take Care and Be Well,
Tara KI7KLJ

ADAW





Superstition Continued from Previous Column



The club sold \$5 tickets for a Kenwood TM-281A, left, and \$1 tickets for a small package, right, won by these gentlemen pictured above. Also pictured in the background is President Andy, KD4ABB on the microphone.



Organ Stop contributed a DVD video performance on the Organ Stop Wurlitzer, won by Terry, KE7GRV on a second drawing of the \$1 tickets at our July Organ Stop party

The attendance was down from past years, at 48 members and guests, but everyone had a happy and safe time.

Club Nominated Andy Keels, KD4ABB for ARCA Chairmanship

The Superstition Amateur Radio Club nominated Andy Keels KD4ABB to run for ARCA Chairman in July 2020.

The Superstition ARC is disappointed he didn't win election as Andy has worked very hard as President of the Superstition ARC and made some very positive changes. He would have been a breath of fresh air to an organization that seems to have gone stagnant.

September Club Meeting Tuesday, Sept 15 at 7:00 PM

Due to COVID-19 restrictions, club meetings are held on Zoom, an online videoconferencing site and on the 147.120/449.600 MHz repeater system and EchoLink. Zoom audio will be carried over the repeater. On the repeater, check-ins are taken at the start of the meeting.

Members of the club will receive emailed instructions for joining the video conference on Zoom. If you are not a member of the club and would like to visit the video conference, please email President@superstitionarc.org with a request to attend the online meeting. Andy, KD4ABB will add you to the member emails with instructions when they go out. Visitors are welcome to attend as always.

The August meeting found itself only on Zoom and the 147.12 because the 449.600 was offline and EchoLink had a damaged coaxial cable putting it off the air. Please wish us better luck next meeting!

It is hoped that we may find an outdoor venue for the October meeting so we can host an interactive program in a socially-distanced, masked environment. It was scheduled for September, but another program is in the works that is better-suited for a virtual meeting.

Club Party at Organ Stop Pizza in July

This was very well organized on July 25, with masks required to enter the building and worn until patrons were seated in the dining room. Each row of dining tables had sections marked off and placed out-of-service to promote social distancing. Patrons lined up with chairs marking six-foot spacing in the single-file line out to the service counter, where salads and requested slices of pizza were served from the kitchen side of the counter. When one row of tables was served, another row stood in line.

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ADAW

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Superstition Continued from Page 17

The December 5, 2020 SuperFest is still on Main prize tickets are available online. Please visit www.SuperstitionSuperFest.org. Please buy tickets!

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 first week of next month.

ADOT MVD has new computer and website

If you have purchased a new vehicle and want to transfer your amateur radio call plates, Fred, WB4AEJ, reported there to be a glitch in the Motor Vehicle Division's new computer system in the August Superstition ARC Communicator. MVD second-level support advised him to call back in a week; the software glitch should be fixed by then. In the meantime, he is driving on temporary tags.

With the new system comes a new website, <https://azmvdnow.gov>. Here you can do everything having to do with driver license, ID card, license plates, vehicle registration, online.

Our August Communicator is posted on a page off the left-side menu at SuperstitionARC.org, where you can see Fred's full front page article.

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

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

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.

For Sale / Wanted



LOOK!
Great Deals!

For Sale

Stacked 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

Steppir 3-Element Antenna with optional 40M - 30M Dipole (Trombone) Kit. Also with 6M passive element, SDA 100 with D25 splice, and plug in connector junction box (pipe-bomb upgrade). Excellent Condition - \$2,000.00

Contact Bob Drake AF7EL at 623.385.6531 or email af7el@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.

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.

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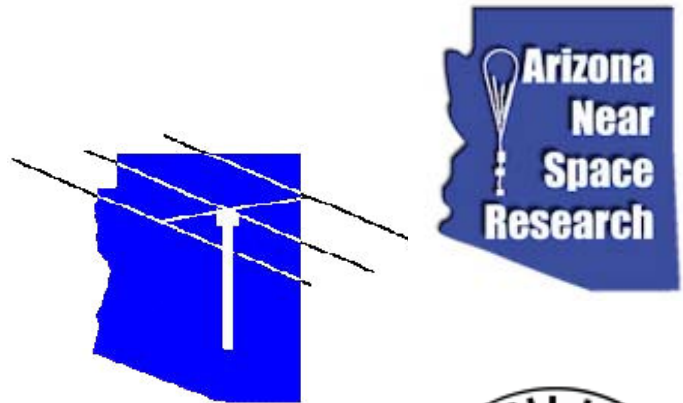
No Reports Received



Old Pueblo Radio Club INTERMOD

RACES Repeaters

145.150	packet/wide	N7OEM
146.880 - PL 110.9	wide coverage	N7OEM
448.55 - PL 110.9	wide coverage	N7OEM



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IC-7851 | HF/50MHz Transceiver

• 1.2MHz "Optimum" roofing filter • New local oscillator design • Improved phase noise • Improved spectrum scope • Dual scope function • Enhanced mouse operation for spectrum scope



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

• RF Direct Sampling • Real-Time Spectrum Scope and Waterfall Display • Large Color Touch Screen • Supports QRP/ QRPp • Bluetooth® and Wireless LAN Built-in



IC-4100A | VHF/UHF Dual Band Digital Xcvr

• Compact, Detachable Controller for Flexible Installation • DWTM Near Repeater Search Function • Apps for iOS™ and Android™ devices • Wireless Operation with VS-3 & UT-137 Bluetooth® Headset & Module • MicroSD Card Slot



IC-7700 | HF/50MHz Transceiver

The Contester's Rig • HF • 6m operation • +40dBm ultra high intercept point • IF DSP, user defined filters • 250W output power full duty cycle • Digital voice recorder



IC-7100 | All Mode Transceiver

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

IC-V86 | VHF 7W HT

• 7W Output Power Plus New Antenna Provides 1.5 Times More Coverage • More Audio, 1500 mW Audio Output • IP54 & MIL-STD 8100—Rugged Design Against Dust & Water • 19 Hours of Long Lasting Battery Life • 200 Memory Channels, 1 Call Channel & 6 Scan Edges



IC-7610 | HF/50 MHz All Mode Transceiver

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



IC-2730A | VHF/UHF Dual Band Transceiver

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IC-PW1 | HF/50 MHz Amplifier

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- PHONE – Toll-free phone hours 9:30AM - 5:30PM
- ONLINE – WWW.HAMRADIO.COM
- FAX – All store locations
- MAIL – All store locations



Happy Labor Day. We will be closed on Sept. 7th to observe the Holiday. It's been a LONG HOT Summer, but hang in there! It's almost over and cooler weather is on the way. Keep "Radio Active" from everyone here at HRA PHX. Stop by our website for the latest and greatest deals from your local Ham Radio Outlet. Please call our store (602.242.3515) to make sure of the latest status on our ability to fulfill all your Ham Radio needs.

Now serving you at our Phoenix store: Manager Ron AJ7T, Steve W7QY, Mike K7DD, Jim K7EOG, Jim KE7EEU, Richard K1RAB, and Bob W8RH.