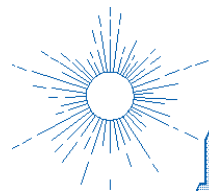


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 44, No 7

July 2019

CLUB MEETING SCHEDULE

SARC

Jul 3rd
Scottsdale Senior Center
7:00 PM

AARC

Jul 11th
Red Cross Bldg. - Phx
7:00 PM

OPRC

Sep 11th
Marshall Conference Ctr
at Tucson Medical Ctr
7:15 PM

TBARC

Jul 18th
North Phoenix Campus
Northern Arizona University
7:00 PM

CADXA

Jul 11th
PERA Club
7:00 PM

ARA

Jul 25th
Denny's Restaurant - Tempe
7:30 PM

ARCCC

TBD
American Red Cross Bldg
Phoenix
9:00 AM

WVARC

Jul 1st
Shepard of the Desert
Luthern Church
7:00 PM

SuperstitionARC

Jul 16th
Charles K Luster Bldg
7:00 PM

YARC

Jul 4th
Prescott Rodeo Grounds
7:00 PM

MARCA

Jul 16th
Denny's Restaurant - Tempe
6:30 PM

MARA

Jul 6th
Copper Sky Substation
9:00 AM

ANSR

Jul 18th
via GoToMeeting
7:30 PM

KARC

Jul 9th
Solterra at White Mtn - Show Low
7:00 PM

OVARC

Jul 19th
Ascension Luthern Church
7:00 PM

TCARA

Jul 15th
Goodyear City Hall
7:00 PM

CARL

TBD
Arizona Science Center
Call for Time

QCWA-AZ Chapter

Jul 18th/Jul 9th/TBD
Phoenix/Prescott/Tucson
7:30AM/10:30AM/TBA

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	Mark Kesauer	N7KKQ	602.843.0960
Secretary	Reinhard Geissler	K7RGG	
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). 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	David Yee	N7AJR	
Secretary			
Treasurer	Ed Nickerson	WU7S	480.949.5162
Past President	Paul Finell	W7EFQ	602.741.6563
Board Members	Irv Hembeck	K00TZ	
At-Large	David Yee	N7AJR	
	Bill Kouchis	N9EIV	
	Ray Vasquez	K4RMV	(ARCA Rep)
	Bruce Harmsen	KA9EYX	
	Chris Tabor	K7TAB	

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

ARIZONA NEAR SPACE RESEARCH

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

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

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

THUNDERBIRD AMATEUR RADIO CLUB

The Thunderbird Amateur Radio Club meets the **THIRD THURSDAY** of each month at 7:00 p.m. at 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	Brian McCarthy	AK7F	president@w7tbc.org
Vice President	Darrell Bradshaw		vicepresident@w7tbc.org
Secretary	Gary Larson		secretary@w7tbc.org
Treasurer	Bob Townsend		treasurer@w7tbc.org
Board Members	Clair Wyant	KG7MAJ	kg7maj@w7tbc.org
	Kenneth Charleton	K4FZH	k4fzh@w7tbc.org
	Nick Holaday	KI7HZQ	ki7hzq@w7tbc.org
	Andrew Cornwall	KF7CCC	kf7ccc@w7tbc.org
Past President	Gary Duffield	WK7B	wk7b@w7tbc.org

For further information about the ThunderBird Amateur Radio Club, visit our website at <http://w7tbc.org>, send an e-mail to: info@w7tbc.org or call 602.938.8219. The Thunderbird Amateur Radio Club is a 501(c)(3) non-profit organization. Mailing address: PO Box 32544, Phoenix, AZ 85064-2544.

OLD PUEBLO RADIO CLUB

The Old Pueblo Radio Club meets the **SECOND WEDNESDAY** of March, June, September and December at 7:15 p.m. in the Marshall Conference Center at Tucson Medical Center. 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	Ted Willis	AA7HX	520.790.3828
		(www.oprc.org)	
Trustees:	(all repeaters operating under the K7TRA call)		
Primary	Ron Kalish	N7SPW	146.660, 147.220-
	Paul VanBeverhoudt	KA7LFX	224.06+
Secondary	Ted Willis	AA7HX	146.66-
	Paul VanBeverhoudt	KA7LFX	224.06+

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 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	Peter Petrotta	KD7OIW
Vice President	Charlie Zurenko	N2TFS
Secretary	Rob Rodriguez	KI7PDR
Treasurer	Mark Steele	KI7RB
Past President	Frank Engstrom	KB7IQ

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 Thursday of each month at 7:30 a.m. at Iron Works Food and Spirits, 17233 N 45th Avenue in Glendale. 602.843.0909. Contact John Marshall at wa7bsr@gmail.com

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

Tucson - Seeing 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:	Phil Hazlett	WA7UID	
	Sonja Hazlett	WB7CWW	
	Peggy Williams	KD7AWU	
	Jerry Roberts	KB7CN	
	Gary Hamman	K7GH	
	Ken Rasback	KK7KEN	

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

KACHINA AMATEUR RADIO CLUB

The Kachina Amateur Radio Club meets the **SECOND TUESDAY** of each month at 6:30 p.m. at the Solterra at White Mountains, 5408 W White Mountain Blvd in Show Low.

President	Tim McFadden	K7DXA	
Vice President	Steve Herron	AG7GD	928.242.2558
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: info@kachinaarc.org 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 at 7:00 p.m. on the **THIRD TUESDAY** of each month (except December) at the Charles K Luster Building, 640 N. Mesa Drive, Mesa (use the glass door on your left at the main entrance). Visitors are welcome. Board meetings are held at 6:30 p.m. on the second Tuesday of each month (except December) at Black Bear Diner, 1809 E. Baseline Road, Gilbert.

President	Steve Estes	KB7KWK	480.251.0551
Vice President	Andy Keels	KD4ABB	602.809.3561
Secretary	Brent Butler	W7FK	480.332.1141
Treasurer	Douglas Mitchell	W7ADD	480.540.4110

Board Members:

Tony Manzo	W7KLV	
Dan Karnes	W7TWR	602.502.5259
Don Rollock	W2EUL w2eul@yahoo.com	
Jeff Harris	K2DFE	602.617.6930
Jeff Heinze	N7CCW	480.720.7908
Jeff Marchesky	K7ZLX	602.628.0238
Rod Fritz	WB9KMO	

Superstition ARC, 5155 E Eagle Dr #21522, Mesa, AZ 85277. Web Site: SuperstitionARC.org and SuperstitionSuperFest.org. The Superstition Amateur Radio Club is a 501(c)(3) non-profit organization. For club information, please send email to: 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 PERA Club, located at 1 E Continental Drive in Tempe. Visitors always welcome. See www.cadxa.org/meetings.html for a map. The May meeting is an outdoor barbecue at 6:00 p.m. (reservations required).

President	Larry Loen	WO7R	lwloen@gmail.com
Vice President	Tom Boza	NE7X	qrz-dx@ne7x.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	Reinhard Geissler	K7RGG	dl1uf@compuserve.com

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



YAVAPAI AMATEUR RADIO CLUB

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

President	Bill Noe	W7PVA	president@w7yrc.org
Vice-President	Joe Thomas	KG6IDN	vice_president@w7yrc.org
Secretary	Art Jackson	KA5DWI	secretary@w7yrc.org
Treasurer	Jim Fortney	K6YK	treasurer@w7yrc.org
Board Members	Kathy Laing	KJ6KMK	kj6kmk.yarc@gmail.com
	Sandy Meadowcroft	KF4JHC	sandymeado2@yahoo.com
	Ray Kolman	KI7COM	spudzman@gmail.com
	Dave Erlach	W7VXSX	rocketdog@dslxtreme.com

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

ORO VALLEY AMATEUR RADIO CLUB

The Oro Valley Amateur Radio Club meets the **THIRD FRIDAY** of each month at 7:00 p.m. at 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	Carl Foster KB7AZ	carlfoster@cactuscomm.net
Treasurer	Hanna Eckert, KG7TPD	haneck@aol.com
Board Members	Fred Bresani W2HZ	
	Ross Eckert K4WBR	
	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.) Board meetings are held the last month of each quarter at the AZ Science Center. 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

Board Members:

Jean Jolkovski	W4CIH	ADAW, Publicity
Steve Warford	WB4ZSC	Tech/IT, CARL/ASC Interface
Tom Salt	AD7PM	At Large
John O'Neal	K7JP	Teacher Packets
Bob Burlison	KG7QJ	Trustee/President Emeritus
Robert Faerber	W9AQ	Log Book
Ronald Taylor	WA7GIL	At Large
Scott Gillins	W2KP	At Large

Direct Phone: 602.716.2082

Web Site: <http://www.w7asc.org> Web Master - Allyson Lee

For information: Email to carl@w7asc.org or call Jack, KD7ROB at 480.759.5195.

TRICITY AMATEUR RADIO ASSOCIATION

The TriCity Amateur Radio Association meets the **THIRD MONDAY** of the month at 7:00 p.m. in the Goodyear City Hall Conference Room located at 190 N Litchfield Road in Goodyear. Parking is available on the west side of the building. No meetings are held in June, July, August, and September. (A social gathering is held at Village Inn at 2700 N Litchfield Road after the meeting.) Weekly Rag Chew every Wednesday at Village Inn (2700 N Litchfield Road) at 2:30 p.m. All hams are welcome. Weekly net is held Wednesday evenings at 7:30 p.m. on 446.400 MHz (PL 100 Hz). Events are posted on our Yahoo Group page at <https://groups.yahoo.com/neo/groups/TRICITYARA/info>

President	Bob Nobis	N7RJN	n7rjn@nobis.net
Vice President	Open		
Secretary	Carol Melton	AK7N	ak7n@azsnaps.com
Treasurer	Arnold Knack	KA7AOK	ka7aok@gmail.com

TriCity ARA, P O Box 6293, Goodyear, AZ 85338-6293. DUES: \$18.00/yr. for individuals, \$25.00 for family. Web Site: <http://n7tca.org>.

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 at 11115 W Nevada Avenue in Youngtown at 10:00 AM the third Tuesday of the month in June through September and at 2:00 PM October through May. 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	Pat Regan	KD7TFD	623.341.7613
Vice-President	Dick Stout	KE7RD	623.815.0985
Secretary	Gloria Putman	KI7SQV	623.238.9963
Treasurer	Alven Brite	N7GVF	623.979.5944
Board Member:	Gary Franklin	K8BKB	269.501.3898
	Joe Fitzgerald	KV2H	623.784.9940
	David Putman	W7DCP	253.307.0544
	Bob Shoemaker	KG6EJW	858.598.7972
Past President	Gary Robin	K6HDU	623.234.2252
Committees:			
Membership	Jim Rogers	N7YTI	623.214.9219
Technical Advisory	Gary Franklin	K8BKB	269.501.3898
Equip Donations & Sales	Gary Franklin	K8BKB	269.501.3898

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 Jerry Davis, K7AZJ at k7azj@arrl.net.

President	Jerry Davis	K7AZJ	k7azj@arrl.net
Vice President	Sue Rodgers	W7SKH	happyham7777@gmail.com
Secretary	Chuck Rodgers	W7CBR	rogers_charles@hotmail.com
Treasurer	Cliff Bean	AE7VZ	klyffone@gmail.com

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



AMATEUR TELEVISION NETWORK

The Arizona chapter of the Amateur Television Network includes amateurs from all over Arizona. Two luncheon meetings are planned each year. The meeting months and locations are announced by the website and newsletter, but generally follow the following schedule: Winter Meeting in January and Summer Meeting in July, both in the Phoenix Area. The AZ Chapter meets on the air every Wednesday and Sunday evening at 0700 MST. Join us on <https://batc.org.uk/live>, go to Repeaters and click on W7ATN, W7ATN-Mesa, or W6ATN. You can see and hear us, and even exchange live chat messages. Please visit our web site at www.atn-tv.org.

President	Ed Olague	K5OLA	602.885.7725
Vice President	Rod Fritz	WB9KMO	805.772.8804
Sec/Treasurer	Lee Weitzel	K0CCU	602.439.4840
Repeater Trustee	Kevin Jacobson	AD7OI	760.898.4601
Webmaster	Roland Hoffman	KC6JPG	562.577.1381

ATN-AZ, 4134 W. Danbury Dr. Glendale, AZ 05038. Membership dues are \$75 annually. For more information about our meetings, membership, repeaters and club activities, please see our website <http://ATN-TV.org>



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



The *Arizona Desert Aire Waves* is published monthly and is the official news media of the sponsoring clubs. All news items, articles and inquiries 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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ADAWWEBSITE		www.adaw.org





Sunlife
arc



As of the beginning of May, Sunlife ARC has entered its summer schedule. We will be combining our weekly meetings with the meetings of Venture Out ARC and will meet every Saturday morning at 10:00am. To attend a meeting, simply go to Venture Out RV Resort located at 5001 E Main St, Mesa, AZ 85205 and tell the guard that you are going to the ham radio meeting. You will be given directions.

The only change from last month's issue is that the group of Hams that meet on Thursday afternoons in the Red Mountain Library throughout the year has changed their meeting room to the Roadrunner room in the library. This meeting is for those interested in all things ancillary to amateur radio such as Raspberry Pi, Arduino, 3D Printing, and whatever else crops up. Join them at 1:00 p.m. in the library.

We are still hosting Amateur Radio in the Park every Thursday morning in East Mesa, off Power and Brown at Red Mountain Park. This occurs during both the summer and the winter. The time varies, but people are generally showing up by 7:00 a.m.

During the winter season, the Sunlife ARC meets every Monday morning at Greenfield Village RV Park in East Mesa from the first Monday in October until the last Monday in April.

Our meetings feature presentations on various amateur radio activities including Quartzfest, Dayton Hamvention, AMSAT, operating 60m triband, Collins Radio during WWII, digital modes, radio homebrews and loads of other topics. Earlier in the season, Gordon West came in and made a presentation and in March, a number of our members completed a road trip to the Titan Missile Museum in Sahuarita where they hooked up to the museum's discone antenna for some great QSOs.

We partner with Venture Out Amateur Radio Club for many of our activities and have a combined Christmas party, a snowbird field day, fox hunts, amateur radio examination training and during the summer months we stay active by sharing their Saturday morning meetings. We work well together and are grateful that the Venture Out ARC makes up for our shortcomings.

Don't forget our nets listed below.

20 Meter Net: Monday, Wednesday, & Friday, 14.329 Mhz SSB 12:30 p.m./11:30 a.m. during daylight savings time.

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

Field Day! The big event of the year for amateur radio operators. When you read this, it will be an event of the past. As I write this, it is still almost two weeks away! The AARC plans are to operate Field Day at the Emergency Operating Center at the American Red Cross Building. No, it isn't in the field, but it is in a location where the Phoenix population can come to observe what a Field Day is like. We will use emergency power and some antennas set up especially for the event. The AARC owns two solar modules which will be used, as well as our trailer which has a crank-up tower which can support antennas.

This is not the first time we have operated Field Day from the Red Cross Building. A few years ago we did this in order to make the event available to those who could not do it at a more remote area. I'm sure that many Phoenicians will get their first opportunity to see amateur radio in operation and realize its importance in times of emergency.

—Lori, WA7EDI



ADAW

SunLife Continued from Previous Column

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.

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CARL Continued from Previous Column

AMATEUR RADIO SERVICE DEMONSTRATION STATION

W7ASC is a Demonstration Station for the Amateur Radio (public) Service. W7ASC is open to all visitors to the Arizona Science Center 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.

FIELD DAY 2019

Well, by the time that you read this, Field Day for 2019 will be history. We hope that you had a good time, many noteworthy contacts, and able to demystify Ham radio for some visitors. But it was a little warm. The end of June in Arizona is not the best choice for outdoor activities. So – why do we always schedule field day in June? You know the answer. Field Day is scheduled by the ARRL that is located back East in Connecticut. June is lovely in CT. We can start a movement to move field day through the calendar. Set the schedule to a 52-week cycle? Everyone gets a turn at great weather. What do YOU think? Let your ARRL Section Manager know. (ARRL AZ Section Manager - Richard A. Paquette - W7RAP@arrl.org)

Your newsletter has been trying to bring you photos of members’ Ham Shacks. Everyone is different, as you would expect. In this issue we bring you a photo of a Shack that is a combination of old and new. For some of you, the panels are familiar old friends. They are often called “Boat Anchors” as they are large and heavy. Restoring those oldies to operation is a popular activity. The effort is, in part, a scavenger hunt as some of the parts are no longer in production. Here is a picture of the Shack operated by Ron WA7GIL.



Now on to serious stuff: How we should use field day for more than just a family picnic.

Those of you who belong to ARRL are solicited for contributions to the Frequency Defense Fund. Why do we need to defend frequencies, and how is that done? The answer is simple. Our bands, if converted to commercial use, would be worth a lot – really big bucks. There are companies that really want those frequencies – the bands that are now our “privileges.” These attempts come in the form of petitions to the Federal Communications Commission (FCC). We defend our use of those bands by sending lawyers to attend those FCC hearings and testify on behalf of the Ham community. Lawyers cost money. These lawyers are paid from the Frequency Defense Fund. Our lawyers are up against well-funded efforts from very large companies who would like to end Ham radio, take over those frequencies, and make a lot of money in the process. The effort to displace Ham radio never slows. Some efforts try to take just a slice of our bands. Some are more ambitious. If you think that we are in some way guaranteed our bands, then you live in a fantasy world. The price of continued ham use of these bands is constant diligence. So – beside sending \$\$ to the ARRL Frequency Defense fund, what can you do? Actually, you can do a lot, and Field Day can be a part of that effort.

Sending letters to your representative is certainly an important part of the process and should not be neglected, but the typical politician counts voters when taking a position. The entire Ham community is just a fly speck in the body politic. As individuals, we carry little weight. In order to be heard and to have our frequencies protected, we must recruit a “Force Multiplier.” There must be a large chorus who see Hams as an irreplaceable asset to the community. Yes – we can always welcome new licensees, but what we really need to recruit is a large community of supporters who understand the role that we play in Public Service.

This Newsletter is getting too long, so it will be continued in the August ADAW. Any readers who would like to add to this thread are invited to send your thoughts to jeanjol@hotmail.com

This scribe is trying to harness the energy that we expend towards our own entertainment into a force that will insure Ham radio’s longevity. If you are interested, volunteer at W7ASC and listen to what visitors have to say about the Amateur Radio Service. You might be surprised and disappointed.

Want to consider volunteering? Go to the W7ASC web site, find and complete an application, or visit the station in person. The direct line for the Shack is 602-716-2082.

73 de W4CIH
480-664-7353



Continued Next Column



**CHAPTER 16
BARRY M. GOLDWATER ARIZONA CHAPTER**

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

Phoenix, AZ

Third Wednesday of each month at 7:30 AM
Iron Works Food and Spirits
17233 N 45th Ave.
Glendale, AZ 85308
602-843-0909
Contact: John L Marshall
WA7BSR@gmail.com

Prescott, AZ

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

Tucson, AZ

We need a volunteer to setup 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.

The date of our June meeting was changed by one week due to a scheduling conflict. The get together at IHOP in lieu of a regular meeting was a pleasant break from the normal “formal” monthly meeting. It was nice to discuss ham radio and projects instead of boring business matters for a change. It is possible we forgot how to count, but it looked like we had 15 - 16 people enjoying the morning. However we do need to apologize to those that were not on the email list at the time. Hopefully this has been taken care of.

Of note to Yaesu Fusion users (and potential Fusion owners). By the time you read this, we will have moved the Wires-X repeater and all its accessories to the Central Arizona College repeater site. If all went well, there is now C4FM Wires-X access for Maricopa and the surrounding area.

For those not familiar with Wires-X, it allows C4FM digital users to connect with hams around the world. Contact Bob H., W8RH for more information on Wires-X. This repeater will be on 146.780 -600 KHz PL 100.0.

The club would also like to thank Steve Miller, W6SDM for hosting a phenomenal CW class. McKay, AC7CA, reported having completed his first CW contact on 20M in many years after attending this class. If there is more interest, we might be able to talk Steve into holding another class.

Speaking of CW, the club is looking to use 10M CW for local on-the-air practice and maybe a simple net. If interested let us know, or contact any club member and make a SKED. The frequency will be 28.075 Mhz.

It has also been a while since our last board meeting. Curt, NA7CS will be contacting the officers and board to set up a date, time and method. As the meetings are open to members, once the date/time and method have been set, it will be posted.

As always feel free to contact the club President, Curt NA7CS, with any questions, concerns or ideas concerning the club.

Our next meeting will be July 6, 2019, at the Copper Sky Sub Station at 9:00 AM. Hope to see you there!





The Kachina Amateur Radio Club meets the second Tuesday of each month at Solterra in the White Mountains, 5408 W. White Mountain Blvd., in Show Low. The July meeting will take place on July 9, 2019. The doors open at 6:00 p.m., and the meeting begins at 6:30 p.m.

The Kachina Amateur Radio Club of Show Low, AZ, is sponsoring a one-day class to assist those interested in passing the Technician class FCC license exam. The class will start at 8:00 a.m., Saturday, July 27th at a location in the Show Low area to be announced. This instruction will be free of charge. If you take the exam at the Kachina Amateur Radio sponsored exam session on August 3rd, it will be free of charge also.

To participate in this in this session, please contact Doug, NQ5G at 928-532-7438. If there's no answer, leave a message with your name, phone number, and email if you wish and he will get back to you.

What a fantastic time to get started in HAM RADIO!

Our recurring calendar events include: We meet the second Saturday of each month at 9:00 a.m. for donuts at Basha's in Taylor, AZ. We also meet the 3rd Saturday of each month for breakfast at Sal and Teresa's Mexican Restaurant on Deuce of Clubs in Show Low. We enjoy sharing our common interests in eating delicious food and having fun together!

The Kachina Amateur Radio Club's mailing address is P O Box 2996, Show Low, AZ 85902 and our email address is info@kachinaarc.org. Our membership year runs January 1 through December 31. Dues are \$15/yr for an individual and \$25/yr for families. Visit our website at www.kachinaarc.org for more information.

Submitted by Lydiann McFadden

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Public Service Calendar

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
AUXCOMM Training	Papago Park Military Res.	08/10/19
MCECG Training Class	Maricopa County EOC - Phx	08/17/19
Barnburner Mountain Bike Ride	Kendrick Peak (Northwest of Flagstaff)	09/07/19
Mogollon Monster 100 Mile	Tonto and Coconino National Forests East of Pine	09/14/19
Tour De Scottsdale	Scottsdale	10/13/19
Javelina Jundred	Fountain Hills	10/26/19
Cave Creek Cactus Classic	Cave Creek	11/09/19
Xterra - White Tank	Waddell	01/05/20
Prickly Pedal	TBD	01/18/20
Xterra - McDowell Mtn	Fountain Hills	02/02/20
Mesquite Canyon	Waddell	03/07/20
Crown King	Lake Pleasant-Crown King	03/28/20

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

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

ADAW



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2019 PRESCOTT HAMFEST AT ERAU

The June 1 hamfest at Prescott was a very enjoyable one, although I must admit I never got down to see what the vendors had to sell me. The facilities at the Embry Riddle Aeronautical University (ERAU) are excellent.

On Friday, there were eleven informative and interesting seminars, and on Saturday, there were seven, plus the ARRL Forum conducted by ARRL Arizona Section Manager, Rick Paquette, W7RAP. At 11:00 AM, ARCA (the Amateur Radio Council of Arizona) held its Annual Meeting. After the old business, which included setting meetings for 2019-2020, grants, equipment survey, and trailer(s), new business included information on the Sun City Grand HOA/Hams Antenna Agreement, setting of a midsummer meeting and date location (possibly July 20 or August 3), ARCA Sponsorship of QSO party plaque – AZ Club award (October 12-13), Scholarship Award of \$2,000 to Sara Whipple to Cochise College. K7OED will take the Scholarship Award to Sara.

By the time you read this, Field Day 2019 will be history. Field Day also seems to mark the apex of the Arizona heat. But what would it be like to put up some Field Day antennas when the temperatures are less than 105 degrees?

At our May membership meeting we celebrated a big event for Tom - W8TK. Sixty years as a ham is quite an accomplishment. To commemorate the day, Tom brought a huge cake with a replica of his novice license frosted onto the top. Congratulations Tom!

Also at our May meeting, we launched a segment where the attendees can announce an amateur radio-related item that they are trying to sell or an item that they are looking to buy. If somebody hears something that resonates with them, they can discuss the details off-line.

Quite a few OVARC members ventured up to Dayton this year. If you have never been there, you really need to save your pennies and get there at least once. You'll be glad you did. Being immersed in Amateur Radio nonstop for several days is quite an experience and one that will bring many benefits to your operating experiences. The remarkable event this year was the absence of a single raindrop during the daytime events. There were some overnight showers, but otherwise it was dry which made it very easy to navigate around the various buildings and outdoor market areas.

One key member of our organization that never gets enough recognition is our Treasurer - Hanna - KG7TPD. She is in such a critical role that can become overwhelming at times, but she always manages to keep things completely organized. Thank you, Hanna, for your dedication and commitment to the club!

Our membership number keeps growing, but it's never high enough. We seem to pick up a few members every month and I want to say that all of you are welcome to join. We are the most active club in Southern Arizona and have a constant flow of events, meetings, speakers and activities. If you're just tempted to have a look, come to a monthly meeting and check us out. As an alternative, check into the Sunday evening net. It's at 8:00 PM local time on the OVARC repeater system. In case you are not familiar, the repeater system is a linked group of analog repeaters. Most call-ins are through our Keystone repeater on 146.62.

Please keep our hamfest in mind. The date is November 9, 2019 and it promises to be the biggest and best hamfest yet. Our sales table is already bigger than previous years and we continue to take in donations. If you have an amateur radio-related item to donate, please contact us at info@tucsonhamradio.org.

Election of 2019-2020 Officers:

Chair – Steve Miller, W6SDM
Vice-Chair – Douglas Mitchell, W7ADD
2nd Vice-Chair – Charlie Zurenko, N2TFS
Secretary – Gary L. Keck, KE7DX
Treasurer – Chris Kesauer, N7PVL

A hamfest/meeting calendar review followed:

July/August – TBA – Phoenix*

(Meeting date has now been scheduled - see below)

September 28, 2019—Tucson Fall Hamfest – Tucson
October 5, 2019—Tonto ARA Hamfest – Payson
October 26, 2019—Copafest—Maricopa* (on line)
November 9, 2019—Oro Valley Hamfest—Marana
December 7, 2019—Superstition Superfest—Mesa

* Denotes ARCA meeting at this event.

The next meeting of the Amateur Radio Council of Arizona will be at 11:00 AM on July 20, 2019 at the American Red Cross Building located at 4747 N 22nd Street in Phoenix.

Lori Cripps. WA7EDI

ADAW

Hamfest Calendar

28 September 2019 - **Tucson Fall Hamfest** - hosted by the Radio Society of Tucson will be held at the Target Store, 9615 E Old Spanish Trail in Tucson. Hours - 7:00 AM - 11:00 AM. 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.k7rst.org>

5 October 2019 - **Tonto ARA Hamfest** - hosted by the Tonto Amateur Radio Association will be held at Rumsey Park, Ramada #4, 400 N McLane Road in Payson. Hours 9:00 AM - 12:00 Noon. Tailgating is \$5.00 and Vendors are \$5.00 per table. Admission is Free. A Potluck/BBQ Will Follow - Bring Your Own Meat & Something to Share. A Hot Grill and Condiments will be Provided. Everyone is Invited! To Pre-Register or for Additional Information Call or Email: Bruce Johnson, N7DDT at 928.474.4154 - stretch8@q.com

26 October 2019 - **Copafest 2019** - hosted by the Maricopa Amateur Radio Association will be held at the UltraStar at Ak-Chin Circle, 16000 N Maricopa Road 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.

2 November 2019 - **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

ADAW

Continued Next Column

For Sale / Wanted



**LOOK!
Great Deals!**

For Sale -

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

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 Bob Kettler WA6MIO at rdkettler@msn.com.

ADAW

Continued from Previous Column

9 November 2019 - **Oro Valley ARC 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.

7 December 2019 - **Superstition Superfest** - hosted by the Superstition 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.



TBARC Continued from Previous Column

working on that as well. Are you interested in repeaters and how they work? If you're able to get up early (4:00 a.m.) and willing to head up a mountain, get in touch with Gary Duffield WF7D, our tech committee chair, and get some practical hands-on learning!

July Presentation

Have you been to a TBARC meeting yet? Why not stop by? We'd love to have you join us, and guests are welcome. Our meetings are held on the third Thursday of the month at the North Phoenix Campus of Northern Arizona University. It's near Greenway and I-17, starting at around 7:00 p.m. See the club website at w7tbc.org for directions. July's presentation will be "Tangerine: the New TAPR SDR Radio" by Scotty Cowling WA2DFI. How does this relate to the Hermes? Does this mean it's time to sell your Flex? Join us and find out!

Andrew Cornwall, KF7CCC
kf7ccc@arrl.net

Field Day Results (not yet!)

It's too early as I write this to include Field Day results - this article is going to be published about the same time that Field Day is going on. But I can be sure of a few things: everyone will have enjoyed the BBQ dinner that has been planned for a while. And I suspect there will be a few people who wish they'd sprung for the ribs who will have looked longingly at those who did! I can also predict that propagation this year won't be any better than last year. The addition of FT-8 might bring our numbers up, though - that we'll have to wait to find out. Thanks in advance to all the people who've worked hard to ensure we have a great Field Day again this year!

TBARC Logo Contest

The TBARC logo contest closed on June 13. As I'm writing this, we don't have a new logo yet - but check the website to see any updates. Depending on the logo, it may take an iteration or two with a graphic artist to get things exactly right - you'll see the results as soon as we have them.

Grounding and Bonding Workshop

On Saturday, May 18, TBARC hosted a Grounding and Bonding workshop, and had about a dozen attendees. The instructor, Jack Lunsford NT7MM, came down from Flagstaff to provide an excellent presentation covering grounding and bonding techniques, from the basics through advanced station management. Jack provided several examples of types of wires and clamps that are used in grounding, as well as examples and how to use an exothermic welding system. Thanks to Jack for giving us the benefit of his expertise. Do you have a great idea for a workshop or class? Send it to course@w7tbc.org and we'll see what can be done!



Larry Loen's Presentation





ADAW

White Tanks Upgraded

Thanks to a number of members who helped out, and some non-TBARC climbers who volunteered their time, our White Tanks repeater has been upgraded. We're now on DC power exclusively, and the antenna is in the right orientation (so we have down tilt rather than, umm, up tilt). I understand water came out of the drain holes once the antenna was repositioned, so this should go a long way to keeping our repeater system healthy. We still need to fabricate a breaker box so we can switch individual loads - I believe a few TBARC members are

Continued Next Column

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If anyone is considering a major radio shack, workshop, addition or going into business for yourself, I am offering professional Electrical, Mechanical and Plumbing Engineering services to radio club members at a 20% discount for residential property, and 10% discount for commercial property. Talking is always free.

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.

July Test Sessions

Jul 1st - West Valley ARC -- 6:00 PM

Shepherd of the Desert Lutheran Church, 11025 N 111th Ave,
Walton Hall, Sun City
Contact - David Morrill 623.680.5011
No Walk-Ins - Call Ahead

Jul 5th - PV Ham Study Group -- 6:30 PM

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

Jul 6th - DeVry ARC & WVARC -- 9:00 AM

DeVry University Library, 2149 W Dunlap Ave, Phoenix
Contact - David Morrill 623.680.5011

Jul 6th - Oro Valley ARC -- 10:30 AM

Ascension Lutheran Church, 1220 W Magee Rd, Tucson
Contact - Quinton Gleason licensing@tucsonhamradio.org

Jul 8th - East Valley VE Team -- 6:00 PM

City of Mesa Utilities, 640 N Mesa Dr, Mesa
Contact - Fred Bolinger 480.242.8606

Jul 8th - Radio Society of Tucson -- 7:00 PM

Hardesty Mid-Town Police Bldg, 1100 S Alvernon, Tucson
Contact - Diane Zimmerman 520.664.5070

Jul 16th - Motorola ARC of Arizona -- 5:00 PM

Denny's Restaurant, 825 S 48th St, Tempe,
Contact - Edward Olague 602.885.7725
Pre-Registration Required

Jul 17th - Thunderbird ARC -- 6:00 PM

Honor Health Medical Office Bldg, 19841 N 27th Ave, Phoenix
Contact - James Skinnell 602.826.1949

Jul 20th - Coconino ARC -- 9:00 AM

North Country Healthcare, 2920 N 4th St, Ste A1, Flagstaff
Contact - Roderick Martin 928.527.1139

Jul 28th - Arizona ARC -- 7:00 PM

American Red Cross, 4747 N 22nd St, Phoenix
Contact - Gary Hamman 602.996.8148
No Walk-Ins - Call Ahead





President's Corner

Steve, KB7KWK

How about this May weather we have been having? I have heard that this has been the coldest May in 30 years. Too bad it is about to end and get hot real fast. One way to cool off in June is to head North when the club goes on Field Day June 22nd. The club goes up to the Lost Eden property that the owner lets us use each year. This is 30 miles North of Payson up on the cool rim. Temps drop at night near 20 degrees and you almost need a jacket.

The club is fortunate to have this location. If the fire danger rises and the Forest Service closes the area, we still have access to it. We always have a blast at Field Day and I hope to see a lot more people there this year. We set up portable antennas and radios and start calling CQ just as soon as the start time begins.

Although this club is not a contesting club, we still make as many contacts as we can. As evening comes and radio starts to slow down, we visit each other's camp sites and tell stories (or lies). On Saturday we all get together for lunch. If you want to get away for the weekend and out of the heat, come on up.

Also remember that because there will be hams there holding all classes of license we can get you on HF no matter what license you hold. This year the club has laptops to use for logging so it would be nice to have two people at each station - one to call CQ, and the other to log. We have several active members who made their first HF contact at a club event: Lost Dutchman, Falcon Field, or the big one, Field Day.

I have said this many times in the past and I will say it again. It has been great seeing so many people attending the meetings. We had a record of around 70 people at the May meeting. I remember in 2008 there were 70 people in the whole club. We are now the largest active club in Arizona. Thanks to all of you who support your club.

73 for now and I will see you at the next meeting.

Tuesday, July 16 General Meeting at 7:00 PM

If you have heard John, KD8PC, running the Wednesday Club Net, you have sometimes heard voices reading back call signs when he is logging check-ins on his computer. John's meeting presentation demonstrates his net-control procedure and other uses of his computer, considering he is totally blind.

This man can go to a hamfest and identify a piece of radio equipment simply by running his hands over it. He has told of times when he climbed his tower at midnight and fixed an antenna - see, it's us handicapped people who require light to know what we are doing!

The club produced the first club newsletter John could read without assistance when its editor placed the contents of its printed newsletter in plain text form via email. Many other members opted to get the email and save the cost of postage.

For the mid-meeting intermission break: WB7TJD & Coffee

Continued Next Column

Superstition Continued from Previous Column

for Refreshments - Yes, We Bring 7 Tasty Jelly Doughnuts for your enjoyment! (We were issued Club Station license WB7TJD in Summer 1977 about the time the club began building a repeater from surplus vacuum-tube-type Motorola commercial gear. This was our first 147.12 machine.)

We are raffling prizes once again at the meetings, with \$1 and \$5 tickets drawn this evening. Our SuperFest committee will also be present to sell tickets for our Main Prize drawing in December. Visitors are always welcome. Our meeting location is found on page 3 of this ADAW.

Tuesday, July 22, Club Annual Organ Stop Pizza Party

Organ Stop Pizza, 1149 E Southern Ave, Mesa, AZ 85204 (Southern at Stapley Dr) is where Superstition ARC's Pizza Party will feature great food and great music from the big Wurlitzer, Tuesday, 22 July from Noon till 2:00 PM.

Members, please RSVP K7ZLX Jeff Machesky with the number of family and guests you want to bring by Meeting Night, July 16. We must advise the restaurant how much pizza to make. Please see the club website, tune into the club nets on Wednesday, or check your email for details.

Admission costs \$8, maybe a little more, and will cover all you can eat. Drinks are extra.

May Meeting Raffle Prizes, Free Door Prize & their Winners

The club May meeting presentation was on AMSAT Satellites, so two of our winners got the 2018 edition of *Getting Started with Amateur Satellites* by G. Gould Smith, WA4SXM and Friends.

N7CCW Jeff is seen awarding the prizes in each of these pictures.



Above is our one-dollar prize, a pair of programmed 16-channel Retevis UHF handheld transceivers. The winner is Bill, KE0WPF.

ADAW

Continued Next Page



Above is our five-dollar prize, a VHF-UHF Satellite antenna and a copy of the book. Winner is Robert, W3BZ



Above is our free Door Prize for the evening, a stand-alone copy of the book, won by Joel Burdsal, who was awaiting issuance of his callsign.

73 from Larry Kuck, WB7C for Superstition ARC's portion of ADAW

ADAW



Hi everyone. I hope you are all having a great spring. I think it finally is spring weather.

Recently a bunch of MMRG members attended the annual Hamfest in Prescott presented jointly by the Yavapai Amateur Radio Club and the Embry Riddle Radio Club, the Eagles. This is a great Hamfest. MMRG had a table there and picked up a new member, Chris, N7HVC of Prescott. Welcome Chris.

As of the 4th of June MMRG's 442.150 Mingus Mountain repeater is now on Fusion digital. It also works normal FM as well (FM in FM out, Fusion in Fusion out). Those of you that use this repeater on regular FM should turn on the tone squelch in your radio so that you won't hear the digital noise when there is a digital signal present.

MMRG dues are going to be due at the end of June. Please remit your \$20.00 to MMRG Treasurer, Bob Sitterley K7POF, 171 Caliche Drive, Chino Valley, AZ 86323. Please attach a note with remittance stating your call or just put it on your check.

Have a great summer. 73, Bob K7POF

Superstition ARC Repeaters

- 147.120 MHz (+) 162.2 Hz - Usery *
- 448.275 MHz (-) 100.0 Hz - Usery - FUSION
- 449.600 MHz (-) 100.0 Hz - East Mesa *
- KB7KWK-L Echolink Node 538499 *
- * - Linked Full Time

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

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.



Hard to believe that half of 2019 is gone. The site maintenance continues for the Tech Team. Elden is in need of some radios to be checked. We are working to find a date when we can make the trip. Pinal Batteries are ready to be installed, just looking for a window when the old batteries can be picked-up. If you hear any repeaters issues, please email problemreport@w7ara.net.

The ARA has two short term committees underway. First is an update to the Articles of Incorporation and Bylaws. These have been in place since the early 1990's and have served us well. There are several items which needed clarification and the documents needed to be easier to read. The Bylaws will be submitted to the Membership for ratification in September with the vote being part of this year's ballot. Watch the website for updates.

The second committee is investigating where ARA equipment will go in the future. What type of participation should ARA have with Digital Technologies? With the current repeater control being over 20 years old, what options do we have to replace it? What are the future needs of public service and emergency communications? Each of these are being considered. If you have any thoughts, or would like to participate, email James Wasson, N7ELL (n7ell@w7ara.net).

I would encourage you to attend the General, Tech or board meetings. Check out the web site for times and location (<http://w7ara.org/mtg/Meetings.aspx>).

Thank you to everyone who volunteers in the community and in the ARA.

As you take family vacations, please have a safe and enjoyable time.

73,
Brian McCarthy, AK7F



ANSR flight 125.1 launched from the Prescott Hamfest and ARRL Arizona State Convention at Embry Riddle Aeronautical University without incident on June 1, 2019. ANSR flight 125, however, was another story. A miscalculation in the amount of lift required and the amount of Helium required to achieve that lift resulted in the initial flight falling victim to a downdraft, crossing a field at about twenty-five feet, and then getting caught in a stand of trees about 500 yards away.

Those watching the launch saw a number of ANSR launch crew members running across the field in hot pursuit. They were successful in getting to the balloon before anything happened to it, like an encounter with a sharp object. They freed the payload from the trees and walked the balloon back to the launch point, still intact.

More Helium was added, and a launch was again attempted about twenty minutes later. The flight was successful, achieving an altitude of about 72,000 feet. The flight time was about ninety minutes and ended up about 11 miles north of Williams, Arizona at 11:00 AM. Steve Thomas, KE7TLS, and Rick Cofone, K2CRC, recovered the flight from a pine tree using Steve's truck as a ladder. There were some issues with intermittent beacons, which will be part of our post-flight review.

If you're interested in learning more about Arizona Near Space Research, visit our website at www.ansr.org.

73,
Steve Miller, W6SDM



Real Estate

Are you or someone you know looking for a Ham Home? I can help you find a home with a tower or one where a tower can be added. Call or email me to get started.

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Coldwell Banker Residential Brokerage
602-370-1450 Cell, rahaworth@cox.net*



Do you struggle to make contacts on HF because of Homeowner's Association (HOA) Covenants, Conditions and Restrictions (CC&Rs)? Come hear our July program and see how it can be overcome.

Our July program is titled "The Challenges and Triumphs of DXing from HOA Land" and will be presented by Mickey, K5ML. After being QRT since 1983, Mickey became QRV from Paradise Valley in January 2007. There was just one slight problem: the HOA and CC&Rs stringently limited his antenna choices.

Nevertheless, from HOA Land he has worked 320 ARRL entities and 318 of them were worked using ground mounted verticals and low-level wire antennae. All countries were worked from 160 through 10 meters using only SSB and CW. Despite receiving several threats of legal action from the HOA, Mickey held off their threats and is still very active today.

In this presentation Mickey will discuss his legal battles and what he has learned about what it takes to be a successful DXer regardless of HOA restrictions. In previous years, he was known as Michael LeBoeuf, author, business consultant, and professional speaker. He promises to keep it interesting and may even throw in a joke or two.

Our June Presentation was "DXCC in a Weekend" from Bill, K6WSC, and was an entertaining look at DXing from a suburban lot while still logging 100 countries over a DX contest weekend.

Our next meeting will be Thursday, July 11th, at the PERA Club, 1 E. Continental Drive, Tempe. Join the informal social hour at 6:30 p.m., and the meeting will start at 7:00 p.m. See you there. (NOTE: The meeting date is a week later than normal due to the July 4th holiday.)

73,
Larry Loen, WO7R
CADXA President



Hello All,

I keep finding I run out of time, and run late on my responsibilities. This month has been more busy than last month. It seems as though a 45-foot saguaro with about 10 arms decided to fall down in my front yard. I decided to cut it up and remove it myself. Was this a mistake? Maybe so.

I must take a moment to congratulate Yavapai ARC and Embry Riddle ARC for the very professional job they did with the state convention. This is the third year for them, and I am impressed.

This is being written just before Field Day. SARC is going up on the rim, the second right on South bound Young Road. The location looks great, and participation looks super as well.

The July meeting is a wrap up of Field day as well as our ice cream social.

On a personal matter, I have been working on my HyGain HYTOWER, installing a grid counterpoise ground system. It has been over 50 years since I purchased it, and I found that I have to disconnect every aluminum to aluminum joint, clean its interfacing connections with fine steel wool and cover the connections with De-Ox to prevent any more oxidation. This is really more of a job than I had expected. The project is continuing into the heat of the summer, being delayed by saguaro cactuses, etc.

More later, 73's
Paul W7EFQ



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.

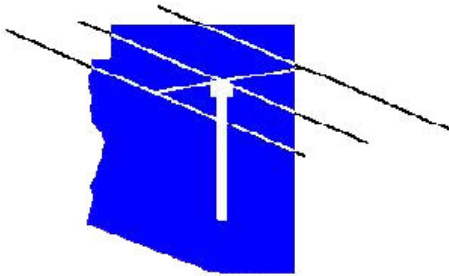
For membership information, call Ed Nickerson, WU7S at 480.949.5162. Please send address change requests to Judy no later than the 7th of the month in which you would like the change to occur.



No Reports Received



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*Old Pueblo Radio Club
INTERMOD*

President's Column

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146.66 - PL 110.9	wide coverage	W7GV
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RACES Repeaters

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- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch • "Five in One" programmable memory • 1000 multifunction memory

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SAVINGS



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