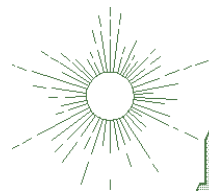


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 44, No 6

June 2019

CLUB MEETING SCHEDULE

SARC

Jun 5th
Scottsdale Senior Center
7:00 PM

AARC

Jun 13th
Red Cross Bldg. - Phx
7:00 PM

OPRC

Jun 12th
Marshall Conference Ctr
at Tucson Medical Ctr
7:15 PM

TBARC

Jun 20th
North Phoenix Campus
Northern Arizona University
7:00 PM

CADXA

Jun 6th
PERA Club
7:00 PM

ARA

Jun 27th
Denny's Restaurant - Tempe
7:30 PM

ARCCC

TBD
American Red Cross Bldg
Phoenix
9:00 AM

SuperstitionARC

Jun 18th
Charles K Luster Bldg
7:00 PM

MARCA

Jun 18th
Denny's Restaurant - Tempe
6:30 PM

ANSR

Jun 20th
via GoToMeeting
7:30 PM

OVARC

Jun 21st
Ascension Lutheran Church
7:00 PM

CARL

TBD
Arizona Science Center
Call for Time

WVARC

Jun 3rd
Shephard of the Desert
Luthern Church
7:00 PM

YARC

Jun 6th
Prescott Rodeo Grounds
7:00 PM

MARA

Jun 1st
Maricopa PD Community Rm
9:00 AM

KARC

Jun 11th
Solterra at White Mtn - Show Low
7:00 PM

TCARA

Jun 17th
Goodyear City Hall
7:00 PM

QCWA-AZ Chapter

June/July
Prescott Area
12:00 PM

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. Four luncheon meetings are planned each year. The meeting months and locations are announced by newsletter, but generally follow the following schedule:

Spring Meeting	March/April	Tucson Area
Summer Meeting	June/July	Prescott Area
Fall Meeting	October	Phoenix Area
Holiday Meeting	December	Carefree Area

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 Rashback	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@cox.net
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 Burleson	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 the third Tuesday of the month at JB's Family Restaurant, 9889 W Bell Rd in Sun City at 2:00 PM. 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	Gary Robin	K9HDU	623.234.2252
Secretary	April Kramer	KI7GFJ	602.284.6212
Treasurer	Tom Connor	W7TLC	623.444.7956
Board Member:	Robert Paul	KG7FIL	623.252.0149
	Nancy Collins	KG6QWW	623.398.5286
	Many Blanco	KI7QLD	480.395.1653
	David Putman	W7DCP	253.307.0544
Past President	James Rogers	N7YTI	623.214.9219
Committees:			
Membership	James Rogers	N7YTI	623.214.9219
Support Communications Committee Chairman	Kris Philo	AI8TT	623.853.0586
Technical Advisory Committee Representative	Frosty Oden	NQ1S	602.899.8055

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://www.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.



*Remembering D-Day
June 6th*

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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adawaz@arca-az.org or adaw@adaw.org

ADAWWEBSITE

www.adaw.org





ATN Continued from Previous Column

ATN-CA Winter Meeting 2019

ATN-AZ, CA & NV Winter Meetings 2019

Our Arizona chapter held our winter meeting January 12, 2019 at ICS in Phoenix. Kevin AD7OI and Tammy KI7GVT were our hosts. All the local ATVers attended and Mike Collis WA6SVT, Gary Heston W6KVC and Roland Hoffman KC6JPG carpooled out from California together to attend the meeting.

Kevin and Tammy had prepared a lunch for all that was worth the drive out from California! Kevin opened the meeting and welcomed all who attended including a few prospective ATVers. The weak signal community was invited and several attended. ATV and 10 GHz microwave systems were on display.

After the business part of the meeting, nominations and elections followed with Ed Olague K5OLA becoming our new ATN-AZ president. Ed thanked Kevin for his two-year service as President, Kevin will remain the trustee of W7ATN and the other officers were reelected to another year of service.

Our ATN-CA & NV combined this year for our Winter Meeting.

We met again this year at Coco's in Upland, CA in their private dining / meeting room. We set up a live video feed so those who could not attend could see the meeting. Roland Hoffman KC6JPG even brought in a large flat screen TV to use of showing photos and for the group to see members who were not able to make the meeting. Our ATV mobile unit was also on display and used for some of the video. Rod WB9KMO, Ed K5OLA and Bob W8ARZ carpooled in from Arizona. Frank N2DKI and Rick K0RAH carpooled in from Nevada to attend the meeting.

After the repeater reports and business part of the meeting we held nominations and elections. Nathan Haltman AG6AV was reelected President and Tom Board WB6HYH as VP. Mike remains as Secretary-Treasurer and as trustee of W6ATN.



Continued Next Column



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 and you will be given directions.

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 7:00am. We also have members that meet on Thursday afternoons throughout the year at the Red Mountain Library in the Thinkspot area. It is for those interested in all things ancillary to amateur radio like Raspberry Pi, Arduino, 3D Printing, and other stuff. Join us at 1:00pm at the library.

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.

Officers:

President: Jerry Davis, K7AZJ - k7azj@arrl.net
Vice President: Sue Rodgers, W7SKH -
happyham7777@gmail.com 702.808.9376
Secretary: Chuck Rodgers, W7CBR -
rogers_charles@hotmail.com 602.339.0109
Treasurer: Cliff Bean, AE7VZ - klyffone@gmail.com

Continued Next Column



At the May 9, 2019 meeting of the Arizona Amateur Radio Club, we were able to see the equipment that the AARC bought from Mark, N7KKQ. President Gary Hamman, with assistance from Mark, explained the functions of the equipment. A decision has to be made as to where the equipment will be kept and how we will have access to it, something we will have to figure out.

No decision was made yet as to where we will have Field Day this year, but it will probably be either at Mingus or at the Red Cross Building. That will be decided soon. Gary will check with Mike at the Methodist Church Camp of Mingus to see if he can accommodate us before a decision is made. Pictures of our last field day were shown at the meeting.

We also reviewed the DeVry hamfest and some pictures of the hamfest were shown.

—Lori, WA7EDI

ADAW

SunLife Continued from Previous Column

Nets:

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

10 Meter Net: Tuesday and Thursday, 7:00pm / 8:00am during daylight savings time. 28.329 Mhz, SSB. Check in using Echolink Node, W7ASL-L Nick, AA7QK, provides this service and will assist you.

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

Our meetings are held in a gated community. If you would like directions and access, please contact Jerry Davis, K7AZJ at k7azj@arrl.net. If you choose to become a club member, our annual dues are \$10.00. Our website address is <https://www.sunlifearc.org/>



AMATEUR RADIO SERVICE DEMONSTRATION STATION

Due to an error last month, the Center for Amateur Radio Learning's column was inadvertently left out of the May issue. Here is the missing column in its entirety. .ed

W7ASC is a Demonstration Station for the Amateur Radio (public) Service. W7ASC is open to the public 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.

It is good news to report that the Station has two new Volunteers. We have Larry W7LDT, a retired airline pilot, and Tony KI7VTY, still a working engineer. These Hams are new to W7ASC, but they are not new to Ham radio. Please give them a big welcome when you contact them on the air at W7ASC.

If you have been reading the W7ASC newsletter, as it has been appearing in the ADAW all these years, you are aware that you have read about the opportunity to do some teaching there, and to answer the interesting questions that the visitors bring with them. Do you believe that you can answer accurately and cheerfully? You might really be ready to go big-time as a Volunteer at the W7ASC station. Here are a few samples.

Most frequently, the Volunteer on duty is asked for directions to the Rest Rooms. You will not find that answer in the Handbook. Since you might need the answer for yourself, find that location on your first Volunteer day.

Even young visitors will often ask if Morse code is still in use. Well - is it? You might want to do a bit of research in order to be prepared to answer this one. Be ready to amaze the inquirer with the answer.

Almost without fail, someone will ask why we care about Ham radio when almost everyone has a cell phone. Isn't Ham radio dying out and falling into disuse? Great question, and you need to be ready with a great answer. In actuality, the number of licensees continues to grow. Get the latest figure from ARRL and be prepared for the look of surprise on the visitor's face. We point out that the cell phone system is surprisingly fragile. Storms and other natural events can disable parts of the cell system. Further, coverage is not everywhere. There are serious gaps in coverage, here in Arizona, even with the major carriers. Ham radio fills in many of those gaps. Since Ham

CARL Continued from Previous Column

radio gear is more powerful than cell phones, Ham signals carry over greater distances. The cell system is designed for simultaneous use by only a fraction of the subscribers. When many users try to call at the same time, the system becomes saturated. We can experience a pile up, but ham radio still works. Since our mobile radios can be powered from car batteries, Hams have a way to stay on the air even during a power line outage. The Volunteer can come up with many more good answers that help the visitors to understand why Ham radio is such a valuable public service.

The request that gives this scribe the most chuckles is the one where the visitor advises that there are about five minutes until the movie starts. "Please tell me all about Ham radio before I leave for the movie." And they are usually serious! Some visitors will try to be sarcastic or challenging. Most, however, actually want answers. The Volunteer must always be positive and cheerful. When the visitor leaves the shack, they should take with them the desire to return to the Arizona Science Center — bringing friends and family. The Volunteer is not on duty to engage in a debate.

Are you ready for the challenge, and the fun? If you think that you are ready, call Sam N7INV to discuss schedules in order to determine if Shack schedules can fit into your life. If it can, Sam will advise you on how to get started with an application. You can find contact information for Sam, and other C.A.R.L. officers, in the first pages of this ADAW newsletter.

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And now a little Ham history. Has anyone ever received a check – an actual payment – from the FCC? Some Hams did. Following WW II, the FCC charged a Ham license fee. It was not much, but it was a cost. At some point, Congress became aware of this practice and instructed the FCC that Ham licenses were to be free. Any money collected was to be returned to the licensee. That is why some Hams received a little bonus from the Government.

ADAW

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AMATEUR RADIO SERVICE DEMONSTRATION STATION

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This item is not exactly exclusive news, but it is worth including in the Newsletter. Owen Garriott W5LFL (SK) died on 15 April this year. He was 88. Owen was a real pioneer. He flew a number of space missions, including one on the Space Shuttle. During that mission he made what we believe to be the very first HAM QSO from space. NASA did not make any changes to the Shuttle in order to facilitate this use of Ham radio during a NASA mission. In fact, Owen used his own rig, an HT that had an extra battery to which it was taped. There was no Ham antenna on the Shuttle. As reported, Owen held the HT next to one of the Shuttle windows and operated successfully. Gary K9HDU, of the West Valley club, recorded a QSO during one pass of the shuttle. A copy of that audio file has been archived at W7ASC. Thank you, Gary!

W7ASC had its own historic event about a decade ago. Andrea KE7OPV was the first 10-year-old girl to volunteer at W7ASC. It took quite a bit of convincing for the Science Center to allow her to be issued a volunteer badge, but everyone agreed that she did a great job.

Andrea is still licensed, but she has now graduated with Honors from Southern Methodist University with degrees in Electrical Engineering and Mathematics. She received an award for Best Electrical Engineering Student and the Presidential Scholar/Leader Award of Excellence.

By the time that you are reading this newsletter, she will be reporting to work as an engineer for AT&T in Dallas. She is assigned to the cutting edge 5G rollout.

Andrea has recounted to several volunteers at W7ASC that during her studies she was assigned to a communi-



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CARL Continued from Previous Column

cation project where her Ham radio skills were critical to its success. Her teacher was beginning to undertake the task of explaining radio concepts to prepare her for the project. This teacher was very relieved when Andrea told him that she was a licensed radio amateur.



Here, in his own words, is the story of how Larry W7LDT, one of the new volunteers at W7ASC, joined the HAM community.

“I am one of the new volunteers at W7ASC. I hold Amateur Extra Class and was first licensed in 2000.

When I was 11 years old, in 5th grade (Circa 1965), my big brother got his novice ticket and started building some pretty fancy Heathkit radios. I was interested and sat in his shack (closet) and watched. He explained a lot of things, but I didn’t get it. I was too interested in airplanes to have real time for radio. He even built my model airplane radio control system (another Heathkit!). That brother is Ron Taylor, WA7GIL, a 2nd year volunteer at W7ASC and my reason for volunteering.

Jump ahead to 1989. Ron was up at his cabin on the rim when word came that our beloved grandfather had died. There weren’t cell phones yet. We had to send the Sheriff to find Ron and deliver the news. That’s the first time I thought, too bad I’m not a ham, I could have called him on the radio.

Now, it’s 2000. I am very active with an RC model airplane club. There were so many people in the club that on any given day at the field I might only get in two flights. The radios were all on 72 MHz and you have to wait your turn. My JR brand radio used an RF module in the back to facilitate switching frequencies. I found out that they made a module that would set me up on 50 MHz, in the 6M ham band. Nobody in the club was on 6M. I wanted that capability so I got my Technician Ticket and was on the air while in the air.

I got the HF bug not long after getting the Tech. I studied real hard, passed the test and the 5 WPM code test. I was a General. I liked the idea of having full ham spectrum privileges, so I got the Extra about three months later.

My original call was KD7IWW. It wasn’t bad on CW but on SSB, it was a nightmare. I had to repeat the I-W-W part multiple times to DXers. I looked into the vanity call situation and found that a callsign with my initials was available. Thus, I became W7LDT.” 73 de Larry



As usual, we will always try to include material that has been provided by readers. Send your drafts to me using this email address: jeanjol@hotmail.com. The phone number that will reach your faithful scribe is :480-664-7353.

Until next month, 73 de W4CIH

DO NOT FORGET THAT FIELD DAY WILL BE HERE BEFORE YOU KNOW IT!

w7asc.org

Direct phone line: 602-716-20820



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 June meeting will take place on June 11, 2019. The doors open at 6:00 p.m., and the meeting begins at 6:30 p.m.

Field Day will be on June 22, at beautiful Woodland Park Lake in Pinetop, Ramada #3. The event will be a Bring Your Own Everything event.

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!

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

Submitted by Lydiann McFadden

Public Service Calendar

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
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

Field Day
June 22 & 23

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Here we are back at Hamvention month and closing in on 30 days to Field Day.

With much gratitude owed to Tom - W8TK, we have mini-Field Days all year long. Not only does Tom chair our Field Day event but he coordinates and runs Operating Events every month to get our club members more competent and confident to participate in on-the-air events on their own. Tom is planning to have an N1MM Training Session at our May meeting. This will be particularly helpful this year in accommodating the new digital modes. Apparently FT4 is not quite ready for prime time but perhaps it will be allowed during Field Day 2020. More kudos go

out to Tom for celebrating 60 years as a ham. He won't confirm this, but records show that he was born with a straight key and passed his extra before he could talk. Congratulations Tom and Thank You !

We are very grateful to have received a number of Amateur Radio related donations for our November 9th Hamfest. We never have enough "STUFF" so if you have an Amateur Radio related donation please get in touch with us.

For those that attend our monthly meetings, we are now saving a few minutes to allow attendees to give a short summary of an item they are selling or an item they are looking for.

Our Repeater group continues to make progress and a true all-mode repeater is on our doorstep. Regardless of whether the repeater detects a D-Star, DMR, Fusion or Analog signal, the repeater will automatically accommodate that mode until such time as there are 60 seconds without any transmissions. After that time has elapsed the repeater can then accommodate any other mode. The 60 second time period is there to assure that the original QSO has ended before the repeater is the ready to listen for other modes. This is a huge step in our ability to use our repeaters for every one of the popular modes that exist today. Thanks to Gary KT7AZ, Jim W5ZIT, Tom W7TRA and Howard KC7AC for investing so much of their own time and talents into this achievement.

Stay Cool during Field Day!
73, Steve, W1SR

ADAW

For Sale / Wanted



**LOOK!
Great Deals!**

For Sale -

A-4 Antenna For Sale - \$450

This is an older model that does not have the stainless steel hose clamps on the elements. It is the same size and has the same features as the modern A-4S. The mast mount plate is new, and some of the elements have been replaced with stock A-4S parts. The antenna is stock - does 10, 15, & 20 meters. It does not have the 40 meter add on. It is boxed and ready to go now. Contact: Bob Howard, W8RH at 520.709.6176 voice/text or email w8rh@live.com.

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 - \$2,500.00

ROHN Telescoping Mast 9H50. Maximum height 34.1 feet, 5 sections. \$125.00

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



June 14th

Hamfest Calendar

31 May - 1 June 2019 - **2019 Prescott Hamfest at ERAU** - hosted by the Eagle Amateur Radio Club at ERAU and the Yavapai Amateur Radio Club will be held at Embry Riddle Aeronautical University (ERAU), 3700 Willow Creek Road in Prescott. Hours are: Friday, 7:00 AM - 4:00 PM and Saturday 7:00 AM - 3:00 PM. Seminars, Tailgating, Vendors, DXCC Card Checking, Prizes. General Admission \$5.00 - Good for Both Days. Tailgate \$10.00 per parking space, each additional space \$5.00. Inside Commercial Vendor Table - \$25.00, each additional table \$10.00. Talk-In Frequency: W7YRC 146.880 MHz (-) PL 100 Hz. No Guns, Drugs, Alcohol, Smoking, Vaping, or Fireworks per ERAU Policy. Leashed or Caged Animals permitted in Outside Public Areas ONLY. For up-to-date info, visit the website at www.prescotthamfest.com

27 July 2019 - **White Mountain Hamfest** - hosted by the Kachina Amateur Radio Club at 1101 Woodland Road in Lakeside. Tailgate may be available. VE Testing, Demonstrations, Prizes, Tailgaters, and Refreshments. Visit the web site at www.kachinaarc.org for up to date information.

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. Free Admission, Free Tailgate Sites (Pre-Registration is Required. Email: djgrooms@yahoo.com) Overnight Camping (Full Hook-Up or Dry) is Available (Pre-Registration is required for camping www.escapees.com/parking/congress) Tailgating permitted at campsite. VE Testing Available - Must Pre-register (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)

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@superstitutionsuperfest.org for more information.

ADAW



TBARC Continued from Previous Column

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. June's presentation will be Lithium Batteries by Mike Wyman W1DRY. We all have some - what's the best way to take care of them? Are some better than others? Are they going to explode and set fire to us all? Join us and find out!

Andrew Cornwall KF7CCC
kf7ccc@arrl.net

Apologies to Patrick

First, we need to apologize to Patrick Stoddard. Last month's article got his callsign almost right - except the first letter was from his US callsign, and the second letter was from his Canadian callsign. But callsigns don't work that way. So to set the record straight: Patrick is WD9EWK and VA7EWK. Sorry, Patrick!

Field Day Activities are Firming Up!

Darrel Bradshaw KE7T leads our Field Day committee this year, ably assisted by Walt Reinert NJ8G. We're doing a quick head count for the number of radios that we'll bring up there. If you're willing to coordinate a station, send mail to Darrel at ke7t@w7tbc.org and let him know. If you don't have a radio to bring up, don't worry - there will be plenty of radios, and plenty of people to show you how they work. (In fact, Field Day is a great way to find out for yourself which radios you like to use, and which ones you don't. So if you're thinking about going shopping, come up to Flagstaff for a test drive!) The menu has been announced already - sign up and pay at w7tbc.org by June 14 to make sure we have food for you!



Mesh Networking Demo at our April Meeting.

New TBARC Logo Contest - Open until June 13

We've discovered that we don't have a scalable graphic of the TBARC logo. Since we're going to pay an artist anyway, the board thought it was time to see if a redesign was warranted. If you have a great idea for a logo, send it to us and you could win \$50! You don't have to be an artist - just scrawl an idea on a napkin, and send it to membership@w7tbc.org. The winning entry will be picked at the June meeting.



We Want Your Pictures for Social Media



Our social media team wants to highlight active members who are doing interesting things. If you're in the middle of an amateur radio project, take two or three pictures of you and/or the action, and send them to social@w7tbc.org. Your pictures might bring in like-minded individuals and everyone will benefit!

June 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

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.

June Test Sessions

Jun 1st - DeVry ARC & WVARC -- 9:00 AM

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

Jun 10th - Radio Society of Tucson -- 7:00 PM

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

Jun 1st - Oro Valley ARC -- 10:30 AM

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

Jun 18th - Hassayampa AR Klub -- 2:30 PM

Home, 30645 S Wandering Way, Escapees North Ranch, Congress
Call for test and location information
Contact - Charles Carter 316.651.7710
No Walk-Ins - Call Ahead

Jun 3rd - 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

Jun 18th - Motorola ARC of Arizona -- 5:00 PM

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

Jun 6th - CARBA -- 7:00 PM

Lighthouse YMCA, 2900 N Columbus Blvd, Tucson
Contact - Matthew Grossman 520.750.7189
Pre-Reg by email preferred - veregistration@rstclub.org

Jun 19th - Thunderbird ARC -- 6:00 PM

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

Jun 10th - East Valley VE Team -- 6:00 PM

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

Jun 30th - 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

Hello fellow club members. I hope all of you are having a great start to summer, if there is such a thing here. I guess you could still have a great one in spite of the upcoming heat. Of course there is one weekend in June when you can head out of town and up North to the pines and join the club for Field Day 2019. You can cool off for a day or three and have fun on the bands as well.

If you think you can't do that because you only have a Tech license, think again. Because there will be hams there with General and Extra class licenses, you can legally talk on those lower bands. So if you have never been on the HF bands, this is a great time to come out and give it a try.

I want to thank all of those members and nonmembers who joined us at the annual club picnic. Although it was a bit windy, it was not hot and turned out to be a great day. We had about 30 people there and a lot of food. There was barely any food left at the end of the day. Normally we have a little stuff left over. Next year we will make sure the buns are there when the burgers and hot dogs are ready. The person in charge of the food should get a check list! Sorry Andy, just messing with you. LOL . . .

Speaking of LOL . . . It sounds like hams are exempt, at least mostly, from the new cell phone law. Great news for hams but sucks for teenagers and others who like to use their phone while driving.

I noticed our last two meetings had fewer people in attendance. I guess our winter visitors are heading home. I don't blame them as it seems it is getting pretty hot already.

We will try to continue bringing good programs to the meetings. Our last program was on the FlightAware software and it got great reviews and comments from club members. Our next [May 21st] meeting program will be on AMSAT, amateur radio satellite. This is another good meeting program. We are going to try to time the meeting so that we can go out to the parking lot and try to talk to a satellite as it passes over.

73 for now.

Tuesday, June 18 General Meeting at 7:00 PM

Our guest speaker, Jeff Harris, K2DFE presents a review of our club's final touches for ARRL Field Day on the coming weekend.

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.

Superstition Continued from Previous Column

ARRL Field Day GPS Coordinates

Field Day is June 22nd and 23rd this year and the club is heading north to the Mogollon Rim area for our annual Field Day outing. The GPS coordinates are: 34.632104, -111.261096. Jeff K2DFE, Dan KC7MSU and Charlie NJ7V are coordinating this year's event and have arranged for this year's location. The site is known as Lost Eden.

We are looking forward to another great turnout! If you enjoy Ham Radio and camping, or just coming up for a day in the forest, then come join the party! More information and details are available at the June general meeting, on the club site, or by contacting Jeff Harris K2DFE@yahoo.

April Meeting Raffle Prizes and Winners

Secretary Brent W7FK, right, was the presenter in the photos below. Tickets were sold and drawn in April's meeting. Unfortunately, our overhead projector is trying to steal your attention! :-)



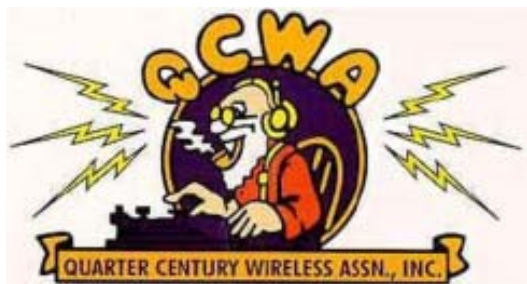
Above, K7ABG Glenn Yeager won the \$1 draw. The box under his arm contains a pair of Retevis UHF handhelds.



Above, WV0V Troy Atwood won the \$5 draw. In his hand is a bundle of coaxial cable and a plastic sleeve with an antenna inside.

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

Continued Next Column



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

Have you been a ham for at least 25 years? Then celebrate by joining the Quarter Century Wireless Association!

The Barry M. Goldwater Chapter 16 Arizona chapter has four lunch meetings a year with fabulous speakers. Check us out at <http://www.azqcwa.org> we are also on Facebook at <https://www.facebook.com/AZQCWA> We are always looking for speakers and great lunch locations. Let us know.



The Mingus Mountain Repeater Group held its MMRG Membership picnic and meeting on May 11 at the residence of MMRG president Bob, K7POF. Our thanks to Bob for hosting the picnic. He has been doing that yearly for more than ten years. This is always an opportunity to see amateur radio operator friends that we don't see very often as well as a chance to sample tasty potluck dishes that were brought by our expert cooks.

One of the most popular areas at Bob's was the corner of his garage which was occupied by Tomy, KF7GC, and his wife, Debbie. They once again brought their popcorn machine and made their delicious popcorn for the group. Tomy has researched and found the very best butter available for their popcorn, and the group appreciated the delicious treat that they were able to provide for everyone. Thanks Tomy and Debbie!



The afternoon at Bob's was special and provided an opportunity to learn more about fellow hams. For instance I was curious about Frank's call, N0SCA. I inquired whether it had any significance or if it just was one that was randomly issued. Frank told me that he and his wife had at one time been members of the Society of Creative Anachronisms (SCA). I didn't know what an anachronism is, creative or not, but I do now, thanks to Google and the internet. I'll let Google inform you if you are as curious as I was! I also learned that W1DGL, Michael Belanger, is involved with earthquake research.

During the meeting several prizes were given to the lucky ticket holders in attendance. Some of them included a \$50 HRO certificate, a Comet GP-1 antenna, and five MMRG memberships. Thanks to Bob and his family members and friends who helped him with this very special amateur radio get together.

—Lori, WA7EDI



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.



May marks the end of the Public Service Season, the kids are out of school, everyone is making their plans for the summer. What are your plans? Do some of your plans include Ham Radio?

When you think of the Junior High, High School, and College aged people in your life, who comes to mind. Would they enjoy learning electronics and radios? The ARA is the sponsor to Explorer Post 599. They meet every Tuesday (few exceptions). The Post is an active participant in the annual Makers fair, build fun electronic projects, and every June, participates in the ARRL Field Day. Many young adults have learned life long habits through their experience.

The Post centers their field day around the youth. The experienced radio operators will teach the newer operators how to be successful. The GOTA station operates under W7BSA and always has a coach on duty. This allows non-hams and entry level licenses to experience the full Ham privileges. I have watched young men and women, who were afraid to touch the mic, grow into experienced radio operators who are having fun and teach others. Through these experiences, they develop problem solving and team skills. The future of the hobby is in the hands of our youth. Field Day is a great way to introduce them to a life long hobby.

If you cannot make Field Day, come down on Tuesday to see what the Post is working on. Visit post599.org for directions to the meeting and information. (The latest Flyer for the post is included).



Youth and adults alike can always be more prepared for disasters and emergency situations. The AEN-MAR net is a great opportunity for all ages. Every Monday night on the Metro Link, they host a specific topic lead by hams. The training is crowd sourced through the experience of the participants in the net. As they put it, they have a "can do" attitude. Stop-by on Monday Nights to learn new skills and share your knowledge with the net.

Continued Next Column

ARA Continued from Previous Column

Is your "Go" bag ready? What if a disaster hit in Arizona, or one of the neighboring states. Would you be ready to leave within an hour? Are you already packed for deployment should you be called on? What would be in your Radio/gear Bag? What about your personal bag?

The ARA is very active with other Clubs and the community to train-up operators and be ready should the need arise. The Tech team is always in need of help and provides training to the team members. Join us at any one of our meetings (<http://w7ara.org/mtg/Meetings.aspx>)

73,
Brian McCarthy, AK7F

ADAW



ADAW

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.

*Richard Haworth W7MDQ
Coldwell Banker Residential Brokerage
602-370-1450 Cell, rahaworth@cox.net*



Have you ever started over? That is to say, have you ever decided to work DXCC, from scratch, all over again? Our June meeting will feature “DXCC in a Weekend” from Bill, K6WSC. He challenges us with this summary:

“Have you ever wondered if you could work 100 DXCC entities in a weekend? How about with a low power modest station in the bottom of the sunspot cycle?” We are about to find out. We welcome Bill, K6WSC, as he presents “DXCC in a Weekend.” This will feature the world of contesting, but savvy Dxers have long understood that contesting is a great way to progress in life long DX goals.

Bill K6WSC, although continuously licensed since 1969, was largely QRT for 37 years until 2008 when he got hooked on the Sport of Amateur Radio, Contesting. Primarily a CW operator, Bill enjoys both DX and domestic contests. He is a member of the Arizona Outlaws Contest Club, Chairman of the Arizona QSO Party, and past president of the Southern Arizona DX Association.

This talk promises to be fun and informative. A lot of experienced DXers, testers or non-testers alike, have experienced the thrill of “starting over” under some set of constraints. But, working DXCC, even 100 common countries, in a single weekend is a real accomplishment. Come find out how it is done.

Meanwhile, there are other ways to play this game. The CQ DX Marathon invites you to “start over” on DXCC, starting on January 1st, and see how many DXCC entities you can work in a calendar year. Some amateurs manage more than 250 entities every year! Even if you can’t achieve that, it can be fun seeing what you can do. Other amateurs take on more open-ended challenges, such as working DXCC QRP (yes, even now, this can be done) or picking some particular band or mode. 80m DXCC is a worthwhile activity for the next year or two if you have a decent 80-meter setup.

Come see us at any old meeting if you want to talk to experienced amateurs that have done all of this and more.

Our May Barbeque featured a pair of presentations from the Scottsdale Fire Department on Emergency response. If your club is looking for a general presentation for your meeting, this is a great option.

Our next meeting will be Thursday, June 6th, at the PERA Club, 1 E. Continental Drive, Tempe. Join the informal social hour at 6:30. The meeting will start at 7:00. See you there.



Hello All,

I keep finding I run out of time, and run late on my responsibilities. This last month has been really busy.

SARC’s third raffle for a YAESU FT-100D was won by Erv K00TZ. He has had it on the Air and seems pleased. SARC’s fourth raffle will be for a YAESU FT-70D handheld. The tickets will be \$5.00 with a minimum of 50 tickets and a maximum of 100 tickets Sale of the next prize will begin at our next general meeting.

We are getting more attendance on our activities We have had over 10 a number of times at our HIP (Ham In the Park), and our breakfast is also being attended by more members.

I am redoing my High Tower with a different counterpoise. This time instead of radials (MANY) I am using welded wire fencing (4” square grid) 6 feet wide and 50 feet long. My intention is to use several sections of this material.. This should give a great capacitive ground. When I am finished, I will report the results.

Field day is coming up! I believe SARC is going to the high country for cooler weather. I suspect we will be going North of Payson (previous years’ location) or West of Flagstaff (last years location). Attend our June club meeting for more information.

I am looking forward to this year’s State HAMFEST in Prescott. YARC and Embry Riddle have done a great job for the last couple years. I understand they have 10 or more grand prizes this year and a number of great speakers. The dates are May 31 (Friday) and June 1 (Saturday).

Our May meeting of SARC was proctored by K7NZ Derek on the subject of Yaesu Digital Radio, C4FM and a demonstration of WIRES-X. Very educational. He did a great job.

So much for this month.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.





Per the club editor - a repeat of last month's article. ed.

The Yavapai Amateur Radio Club is dedicated to support of the central Arizona area in community service and emergency communication service. The club serves primarily the Prescott area but includes a broader area in our efforts to serve.

Our hamfest committee has been very hard at work planning this event to make it bigger and better than the last. We will have a good number of commercial vendors in the "Hanger." The small cafe also inside has been promised to be open for food and refreshments.

Frank Bender K8FB has done a marvelous job gathering speakers for many and varied presentations. We will also have several nontechnical presentations to interest everyone, thanks to Kathy Laing KJ6KMK.

Our Grand Prizes have grown each year and this year is no exception thanks to Art Protas KG6AY. He has also garnered a number of great hourly prizes for our drawings.

To get you into the event Ray Kolman KI7COM and crew of volunteers will help you park in the proper locations. To enter the event, Dave Hanson W7BJ and his volunteer crew will collect admissions, provide your arm band (good for the duration of the event) and event guide.

Inside at Hamfest Central, I, Bill Noe W7PVA, and a crew of volunteers will sell you Grand Prize tickets and your hourly drawing tickets. We will also help you find your way, provide announcements to keep you informed and be the place for First Aid and hydration.

If you are coming as a tailgater, selling your treasures from the parking lot, Kathy KJ6KMK, Ed Meyer WK7ED and Tony Jackson K6PSR will be there to assist you finding your spot to sell from. Jim Zimmerman N6KZ, Art, KG6AY, and Tim Norton K7PVY will be working the consignment booth where you can sell your treasures and still enjoy what the event has to offer.

To find out more, please check our website: <http://hamfest.w7yrc.org/prizes/>

The Yavapai Amateur Radio Club encourages community members and those of other local clubs to join us for our monthly meetings. We continually strive to make our programs interesting by addressing as many facets of amateur radio as possible. Meetings are held the first Thursday of the month

Continued Next Column



ANSR will be flying at the Prescott Hamfest. Come check it out. We are also looking for additional help. We need people to help with the payload preparation and attachment, people to help set up the ground station and antennas, and drivers to help recover the payload. If you don't have a four-wheel drive vehicle, that's not a problem. Many of our recoveries are in areas accessible by stock street vehicles. Also, we need spotters who can look for the balloon or parachute and relay the course and direction to the recovery team. You don't even need to be a ham - but if you're not you can bet we'll help you get there.

Drop by our booth or come out to the launch. Ask anyone from ANSR any questions that you may have.

73,
Steve, W6SDM

ADAW



YARC Continued from Previous Column

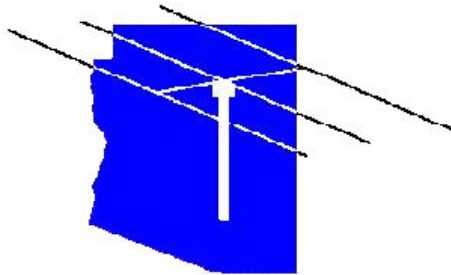
(most months, check our website) in the Freeman Building in the Prescott Rodeo Grounds, 840 Rodeo Drive, Prescott, AZ 86305. Meetings start at 7:00 PM. For program information and directions check our website at www.w7yrc.org

ADAW

No Reports Received



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MARCA INC.

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Old Pueblo Radio Club INTERMOD

President's Column

OPRC Repeaters

146.66 - PL 110.9	wide coverage	W7GV
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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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- 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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2M/440 HT w/extended RX

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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

KENWOOD

It's that time again!! Be sure to make your lists and then come in to HRO Phoenix to grab all your last minute gear for Field Day - it's June 22nd and 23rd this year.

Now serving you at our Phoenix store: Mike KB6VHF, Steve W7QY, Mike K7DD, Jim K7EOG, Jim KE7EEU, Richard K1RAB, Bob W8RH, Ron AJ7T, and Laura KB6UHF