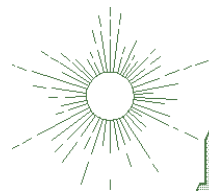


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 44, No 5

May 2019

CLUB MEETING SCHEDULE

SARC

May 1st
Scottsdale Senior Center
7:00 PM

AARC

May 9th
Red Cross Bldg. - Phx
7:00 PM

OPRC

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

TBARC

May 16th
North Phoenix Campus
Northern Arizona University
7:00 PM

CADXA

May 2nd
PERA Club
7:00 PM

CARL

TBD
AZ Science Center
Call for Time

ARCCC

TBD
American Red Cross Bldg
Phoenix
9:00 AM

SuperstitionARC

May 7th
Charles K Luster Bldg
7:00 PM

MARCA

May 21st
Denny's Restaurant - Tempe
6:30 PM

ANSR

May 16th
via GoToMeeting
7:30 PM

OVARC

May 17th
Ascension Lutheran Church
7:00 PM

KARC

May 14th
Solterra at White Mtn - Show Low
6:30 PM

WVARC

May 6th
Shephard of the Desert
Luthern Church
7:00 PM

ARA

May 23rd
Denny's Restaurant - Tempe
7:30 PM

MARA

May 4th
Maricopa PD Community Rm
9:00 AM

YARC

May 2nd
Prescott Rodeo Grounds
7:00 PM

TCARA

May 20th
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.



*Celebrate May Day
May 1, 2019*

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**

ADAW Staff

PUBLISHER / MANAGING EDITOR

Christine Kesauer	N7PVL	602.843.0960
AARCEDITOR		
Lori Cripps	WA7EDI	602.955.7517
ANSREEDITOR		
Steve Miller	W6SDM	602.290.1603
ARAEDITOR		
T D Kennard	N7ISR	n7isr@w7ara.net
ARCCEDITOR		
Open		
ATNEDITOR		
Ed Olague	K5OLA	602.885.7725
CADXAEDITOR		
Lee Finkel	KY7M	ars-ky7m@cox.net
CARLEEDITOR		
Jean Jolkovski	W4CIH	480.664.7353
KARCEEDITOR		
Lydiann McFadden		lydiann@gmail.com
MARAEDITOR		
David French	N7FAN	480.430.9426
MARCAEDITOR		
Norm Johnson	AA7OO	480.278.2886
MMRGEDITOR		
Lori Cripps	WA7EDI	602.955.7517
OPRCEDITOR		
Ron Kalish	N7SPW	520.207.3852
OVARCEEDITOR		
Steve Wood	W1SR	nauset2222@yahoo.com
George Cooley	NG7A	george@ng7a.com
QCWAEDITOR		
John Marshall	WA7BSR	623.334.2583
SARCEEDITOR		
Paul Finell	W7EFQ	602.741.6563
SunlifeEDITOR		
Bill Farina	KE0WPF	608.301.5544
SuperstitionARCEEDITOR		
Larry Kuck	WB7C	Ellsworth@us60.us
TBARCEEDITOR		
Andrew Cornwall	KF7CCC	kf7ccc@arrl.net
TCARAEDITOR		
Bob Nobis	N7RJN	n7rjn@nobis.net
WVARCEEDITOR		
April Kramer	KI7GFJ	602.284.6312
YARCEEDITOR		
Don Bauer	WB7TPH	dbauer2250@aol.com
TECHSUPPORT		
Mark Kesauer	N7KKQ	602.843.0960
ADAWEMAIL		adawaz@arca-az.org or adaw@adaw.org
ADAWWEBSITE		www.adaw.org



From The Editor's Desk



ADAW has grown again. In April, we added the Arizona Chapter of the Amateur Television Network to the group. (A slightly belated "Welcome" guys & gals!) As their column said last month, "*The Amateur Television Network (ATN) is a group of radio amateurs who promote Amateur Radio communications on modes like Fast-Scan TV (ATV), Mesh Networking (Mesh Video), Slow Scan TV (SSTV), and Digital Television (DATV) for the use in emergencies, public service, education, and just for having fun.*" Sounds like a fun and interesting aspect to the hobby we all enjoy. We look forward to hearing more about their activities.

This month, ADAW welcomes the SunLife Amateur Radio Club to the family. SunLife ARC is located in the Greenfield Village RV Resort in east Mesa and their activities are held from the first of October through the end of April. They are a very active group during those months. Check out their column in this month's issue and look for more from them in the months to come.

The 2019 April Hamfest at DeVry is now in the history books. Did you get to attend it? The weather was wonderful. There were vendors and tailgaters on both sides of the south lot this year and sales seemed to be brisk. There were donuts, coffee, cold beverages, and bagged snacks to quench the thirst and satisfy the munchies. Attendance appeared to be up this year and everyone had a good time browsing, shopping, and visiting with friends and acquaintances. All in all, it was a great event. If you missed it, mark your calendars and watch for next year's April date.

Next up - The Cochise Hamfest and 7th Area Communications Exercise in Sierra Vista. This event is held at the club's site on Moson Road - 2756 S Moson Road, Sierra Vista, AZ to be exact. There's free admission and no charge for parking. Tailgating is a mere \$5 and an inside table can be had for just \$10, but inside space is limited so reserve early if you want inside. Gates open at 7:00 AM and the hamfest closes after the main prize tickets are drawn at 12:00 noon. Charles, K4AFN will be happy to answer any questions you might have. Contact him by email at k4afn@arrl.net or by phone at 520.508.7087. Check out this great event.

If you are wondering about other events in Arizona, check the hamfest calendar on page 13 of this month's ADAW. Information about events sometimes changes so be sure to visit the individual club's web site for up-to-date information.

Hope everyone has a great month. Stay cool. Catch y'all next month!

73,
Chris, N7PVL

ATN is now on YOUTUBE!

Type Amateur Television Network or W7ATN-Mesa in the search box

The W7ATN repeater is active 24x7 and when radio amateurs transmit audio and video into it, it retransmits from a high elevation allowing reception in a larger geographical area. The audio and video output of the repeater is streamed to this YouTube channel so you can see how we use the system. When no signals are received, an identifying test pattern is transmitted. Most activity is on Tuesday, Wednesday and Sunday evenings between about 7:00 p.m. and 9:00 p.m. Arizona Time. If you have questions or comments, send an email to wb9kmo@gmail.com. I hope you enjoy viewing this valuable and interesting aspect of Amateur the video on this channel is the output of a Mesa, AZ Amateur Television Repeater, part of the Amateur Television Network. More information is available at www.atn-tv.org.

The Amateur Television Network - W6ATN - Santiago Peak Repeater system serving Southern California! The W6ATN Santiago Peak repeater serves as our central hub for six additional ATV repeater systems serving Southern California (Santa Barbara, Oat Mountain, Mt. Wilson, Jobs Peak, and Snow Peak) and Southern Nevada (Mt. Potosi).

Join us on YouTube Tuesday evenings for our weekly W6ATN Southern California / Nevada Net at 7:30 p.m. Pacific Daylight Time. Net control Roland - KC6JPG will connect not only throughout our ATN linked repeater systems, but also link up other ATV repeater systems throughout the country, and the world during the net. If you are unable to transmit RF, you can "check-in" with us directly on the chat board during our on-line check-in.

We will also link up with the W7ATN - Arizona system on Wednesdays & Sundays at 7:00 p.m. Mountain Standard Time for their ATN nets.

We will be adding more of our ATN Chapter repeaters on our YouTube channels.

We look forward in seeing you during our weekly nets and other special events within our network system.

Do not forget to subscribe.

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1253.25 MHz VSB

VIDEO INPUT
434.000 MHz VSB
434.000 MHz DVB-T

VOICE
448.400- (100.0 Hz)

2441.5 MHz FM

ADAW

ADAW



Sunlife
arc

The Sunlife ARC meets every Monday morning at 10:00am during the winter season. We're located in the 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.



Snowbird Field Day 2019

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.

In addition, we have Amateur Radio in the Park every Thursday morning, located 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. 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 1:00 p.m. at the library.

It's getting near the end of our program year, but please consider adding us to your calendar for next year.

Continued Next Column

SunLife Continued from Previous Column

- 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

Nets:

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

10 Meter Net: Tuesday and Thursday, 7:00 p.m. / 8:00 a.m. during daylight-saving 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, 1:00 p.m., 146.58 MHz FM simplex. 12:30 p.m.

Our meetings are held in a gated community and 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/>



HAPPY MOTHER'S DAY



MAY 12th



American Red Cross

Arizona Red Cross Communications Club

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



We would like to update everyone on our last weekend at the DeVry Hamfest. We had great weather and received many positive comments from those in attendance. Preliminary reports indicate that the April Hamfest at DeVry was a success.

Looking ahead, we will be doing some radio testing from several locations around the state. We will work with our colleagues in disaster services to identify potential shelter locations and then follow-up by visiting those sites to see what comms resources would be available or needed to maintain effective communications during a disaster response. This would be something similar to the exercise we did in Wickenburg last month.

The Prescott Hamfest is just around the corner and we hope to bring the Command Post up and maybe even doing some testing while there.

Once again, thanks to everyone for helping to make the hamfest a big success and a special thanks to Roger Bram for manning the grill and making sure our Friday set-up crew had plenty to eat.

73,
Peter & Charlie

The Arizona Amateur Radio Club, as in the past, enjoyed working together to put on our yearly hamfest at the DeVry University campus at 2149 W. Dunlap in Phoenix on April 20, 2019. The April 11th club meeting was devoted to planning for the big event. It is surprising how many details go into preparing for an event like this one. Procuring the facility is just the start. Signs must come out of storage, and in some cases, have to be made or edited. Locating and roping off certain areas for vendors and for parking, acquiring raffle prizes, and of course, providing publicity for the hamfest are necessary. There are many little fine points in having a hamfest, and the AARC members have always worked well together to make preparations for the event. This year we partnered with the Arizona Red Cross Amateur Radio Club. Their members were a tremendous help in planning the hamfest and helping with the myriad tasks that need to be done to present this type of event. Thanks to everyone in the club that helped. Thanks to Roger Bram, KE0BQQ, also for providing our dinner for the Friday setup.

The hamfest hours were from 7:00 AM to 11:00 AM. Admission was \$2. VE testing and DX QSL card checking were available. And, of course, I hope you bought a delicious donut and a cup of coffee from me, WA7EDI, while you were there!

Contact AARC president, Gary Hamman, at K7GH@ARRL.net or call his phone: 602.996.8148 for information about AARC activities.

—Lori, WA7EDI



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Amateur Radio WA7HXZ

The 2019 April Hamfest at DeVry





Hello all,

The SARC raffle Number 3 for a Yaesu-100DR mobile radio has sold its minimum of 50 tickets (actually a few more), so the drawing will be held at the next general meeting. I believe our next raffle will be for a FUSION handheld. I have been told it is a Yaesu-FT-70. At this point I do not know what the rules will be.

We are having more new hams at the club breakfast, HIP (Ham in the Park), and the club net. This is great having more activity from more club members. On the club net, we are experimenting with a limited form of a swap net for those attending. So far, nothing has been offered, but the idea has received a positive response.

The club is following the Yavapai club idea of soliciting experienced hams to volunteer their services as Elmers for newer or inexperienced hams. This can do more for helping the ham community.

On a personal note, the machine shop is all moved, now I am cleaning the machines, setting the machines up, leveling, repairing, calibrating, and adjusting the machine's calibrations, I am truly satisfied with the results.

73's
Paul W7EFQ



For those that are into 900Mhz, there are some exciting changes which involve creating a Statewide 33cm network. Curt (NA7CS) programmed some of the members' radios this past meeting. He will be happy to program any others he missed. Just contact him to get it set up.

QST anyone wanting to learn or brush up on CW. Steve, W6SDM, is holding a CW class beginning Friday, April 26, 2019, starting at 7:30 PM until 9:00 PM. The class will last six (6) weeks and all you need to bring is a pad of paper and a pen/pencil or three. Please contact Steve directly to confirm your seat at, W6SDM Steve <dd.maricopa.az@gmail.com>. If you know of someone that has expressed an interest in CW, pass this info on to them.

Bob B., N7GW, is looking for people interested in learning to build kit radios. This would be along the lines of small QRP rigs initially such as the popular Tuna Tin. The class would be an introduction into kit building, but anyone interested is more than welcome to participate. The only cost involved would be for the whatever you decide to build. Bob can be contacted at: bobbr30107@gmail.com.

We are hoping to move our Wires-X repeater to CAC on or about April 28, 2019. However with the temperatures rising this project might be put on hold until the temperatures drop. No need for the climbers to be on hot steel for a couple hours.

Our next meeting will be Saturday, May 4th at the Copper Sky sub station at 9:00 AM. Hope to see you there.

—
David French, N7FAN
Maricopa, AZ
www.n7fan.com



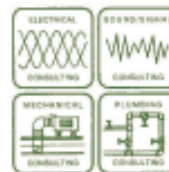
SARC CONSTANTS:

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.



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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.



Public Service Calendar

Maricopa County Emergency Communications Group Events

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 doors open at 6:00 p.m., and the meeting begins at 6:30 p.m.

As was reported in January, 2019, with our new slate of officers, we plan to be working toward furthering our goals of:

*Advancing the hobby of Amateur Radio by showing others the benefits and fun of being a "Ham."

*Serving the community by providing Emergency Communications and rendering other help as needed.

*Promoting Amateur Radio through educational channels within the community.

*Promoting our common interests as members of the local club.

In keeping with these objectives, we are participating in the White Mountain Stake Preparedness Fair - May 11 - 10:00 a.m. - 2:00 p.m. 1520 Church Lane, in Lakeside. Our Club will have a booth at this event (which is open to the public), to share about Ham Radio, talk about our role in providing and assisting with Emergency Communications, and enjoy serving the community in this way.

Field Day will be on June 22 & 23, at beautiful Woodland Park Lake in Pinetop. The event will be a Bring Your Own Everything event.

We are continuing to build our Elmer Program, headed up by Doug Troxel NQ5G. Those who are interested in being part of this program as an Elmer or to request help from an Elmer can contact Doug.

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



EVENT	LOCATION	DATE
Arizona Emergency Net - Maricopa Picnic	Payson, Houston Mesa Campground, Fox 2 Group Rate	05/18/19
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
Xterra - White Tank	Waddell	01/05/20
Prickly Pedal	TBD	01/18/20
Xterra - McDowell Mtn	Fountain Hills	02/02/20

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.



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For Sale / Wanted



**LOOK!
Great Deals!**

For Sale -

Field Day 2019 is closing in on us quickly and we are preparing for another fun weekend. As competitive as Field Day can be for some, it's important to remember that Field Day is really intended to get people on the air and educate operators on technique. Whether you're a CW enthusiast or an SSB ham, there are proper and well-accepted operating techniques to optimize your experiences on the air.

OVARC has mini-Field Days every month. How's that you ask? Every month, Tom - W8TK, leads an operating event that takes the group to a particular location in Southern Arizona. Sometimes we just look for elevation to escape the summer heat. Other times we visit a historic landmark like the OK Coral. It's a great way to get outside and get on the air at the same time. We enjoy having visitors that can join us, so check out the upcoming events.

Our winter visitors are slowly departing and we wish them safe travels homeward. We particularly enjoyed having Peter, W9IXN over the winter months. During his stay he came to several breakfast meetings and joined right in. We're ready to help Peter construct an HF antenna whenever he decides to head to the southwest permanently.

Even though the hot summer is approaching, we are still cooler than lower elevations. If you're reading this newsletter and are planning to pass through the Tucson area, check out our web page for operating events, Saturday morning breakfasts, and our monthly meeting. Visitors are more than welcome.

Thanks to Fred - W2HZ and Carl - KB7AZ for helping to keep the flow of donated goods. We've been fortunate to have several donations to the club. We are always looking for ham radio related gear for our November 9th hamfest.

Thanks so much to Quinton for keeping the VE sessions tuned up. Every month we usually have a good mix of new hams and those wishing to upgrade.

David, AK2L is about to complete another General License Class course and several students will take their exams soon. Thanks to David for taking the time to continually run classes for the club.

73, Steve, W1SR

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

ADAW

Hamfest Calendar

4 May 2019 - **Cochise Hamfest and 7th Region Communications Exercise** - hosted by the Cochise Amateur Radio Association will be held at the club site, 2756 South Moson Road in Sierra Vista. Gates open at 7:00 AM. Free Admission and Parking. Tailgating - \$5. Inside Table - \$10. VE Testing from 9:00 until 11:30 AM. Coffee, Pastry, and Drinks Available. Hourly Prizes with Main Prize drawing at 12:00 Noon. Talk-In on 146.76(-) PL 162.2 Hz. Watch for more details.

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 will be held at 1101 Woodland Road in Lakeside. Tailgating may be available. VE Testing, Demonstrations, and Prizes, Tailgaters, and Refreshments will be available. 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@superstitionsuperfest.org for more information.

ADAW



TBARC Continued from Previous Column

May 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. As of press time, the May presenter hadn't yet been confirmed, so out of an abundance of caution we're not announcing who it is just yet. Check the club website to see - Israel has the magic touch when it comes to finding excellent speakers. Join us and learn more at the meeting!

Workshop on grounding and bonding - May 18

TBARC will hold a workshop on grounding and bonding on May 18. The presenter is Jack Lunsford NT7MM, a former president of TBARC who has been our host in Flagstaff for Field Day. This 4-6 hour course will be held at the Honor Health medical office building near the 101 and Deer Valley Road. Jack is a great teacher whose credentials go for miles - you may have had the pleasure of learning from him if you took an Extra class course, or (a few years before that) if you were in the Reserve Officer School in Omaha. Check the club website w7tbc.org or our Facebook page www.facebook.com/ThunderbirdAmateurRadioClub for more details, including how to sign up.

Andrew Cornwall KF7CCC
kf7ccc@arrl.net



W7PMD Dave Zinder shows his slot cube antenna.

Do you have an idea for a class?

Our education committee has been working hard, and has already done the tech class, the soldering class and now the grounding and bonding workshop. But things don't stop there! Do you have a subject you're interested in learning about? Send email to education@w7tbc.org and we'll try to get a class or workshop scheduled!

Field Day is coming up soon!

We're a few short months away from Field Day, and preparations are well underway. Now is the time to block it off on your calendar - it's always the fourth full weekend in June, which is June 22-23 this year. If you've got a technician license, this is a great way to learn more about HF and operate on bands you don't normally have access to. If you're a new general, come up and see various radios in use - ask about the advantages and disadvantages, so you make the right choice when it's time to make the jump. Plan to stay the whole weekend for maximum enjoyment, or come up on Saturday and join in the fun.

WA9EWK
Patrick Stoddard talks about satellites.



TBARC has a weekly net

The Thunderbird Amateur Radio Club weekly net has been growing over the last few months. If you haven't checked in lately, come join us and see what you've been missing! It's on the linked repeater system on Tuesday nights from 7:30 p.m. local time, and usually goes to around 8:00 p.m. We've recently added a new net control station - Joey NX7CQ has added his able hands to the roster of net controls.



WA9EWK Patrick Stoddard talks ON satellites.

Continued Next Column

License Testing Information

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

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

May Test Sessions

May 2nd - 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

May 2nd - 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

May 4th - Green Valley ARC -- 9:00 AM

Pima County SAV Bldg, 601 N La Canada Dr, Green Valley
Contact - Earle Cate 303.898.9471

May 4th - DeVry ARC & WVARC -- 9:00 AM

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

May 4th - Oro Valley ARC -- 10:30 AM

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

May 6th - 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

May 13th - East Valley VE Team -- 6:00 PM

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



Continued Next Column

Test Sessions Continued from Previous Column

May 13th - Radio Society of Tucson -- 7:00 PM

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

May 14th - 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

May 15th - Thunderbird ARC -- 6:00 PM

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

May 18th - Yavapai ARC -- 9:00 AM

Jeep Posse Bldg in Pioneer Park, 1200 Commerce Dr, Prescott
Contact - Donald Bauer 928.775.4690
Pre-Register online: www.w7yrc.org

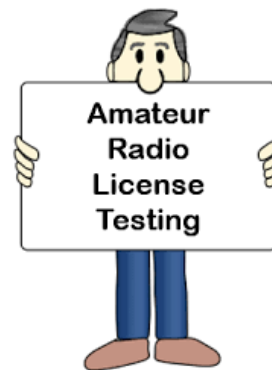
May 21st - Motorola ARC of Arizona -- 5:00 PM

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

May 26th - Arizona ARC -- 7:00 PM

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

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



President's Corner

Steve, KB7KWK

Hello everyone. I hope you are all doing well. We had a great March this year with club activities and programs. I hope you all enjoyed the program at the March meeting. We had a presentation by Fred Lloyd AA7BQ, the creator of QRZ. I think we all learned that there is more to QRZ than just looking up call signs. I did not realize that there was so much more you can do on that site.

We had our annual event out at the Falcon Field Open House on Saturday, March 30th. We always have a blast at this event. We had several HF stations running as well as our Mesh Network setup. There was a CQ contest going on at the same time so it was a little hard to make contacts but we managed to make a few. We had guys on 40 and 20 meters as well as digital modes. We also had an excellent connection on the Mesh Network. This event is always a good one to introduce people to Ham radio. As usual we also had former hams stop by and talk to us about getting back into the hobby.

I am pretty sure we will also have several new club members in the near future. We handed out a lot of club flyers and other club information. John Wolven, KG7NSP, the SuperFest Chairman was there and started selling raffle tickets 2019 SuperFest. We did pretty well considering how early in the year it is.

I would like to thank all the club members and nonmembers who came out on Friday to help set up the club booths. It is very much appreciated. I think there were 12 people. Also thank you to those who stayed until 4pm on Saturday to help take everything down. Now it is time to get ready for Field Day in June and I hope to see a huge crowd there this year.

Tuesday, May 21 General Meeting at 7:00 PM

Our guest speaker, Patrick Stoddard, WD9EWK presents "AMSAT Portable Operation."

Depending on satellite availability after the meeting, Patrick will demonstrate making AMSAT contacts out in the parking lot.

Visitors are always welcome. Our meeting location is found on page 3 of this ADAW.

Come see for yourself the Amateur Radio Space Program in action! The Amateur SATellites are built by volunteers and placed in Earth orbit free of charge by AMSAT's ability to piggyback commercial and government payload launches into space on a space-available basis.

March Meeting Raffle Prizes and Winners

Tickets were sold and drawn at the March meeting for these prizes:

The \$1.00 raffle was for a box of two Retevis 16 channel radios. Jack W9BJS was the winner, pictured below.

Superstition Continued from Previous Column



The \$5.00 raffle was a \$200.00 gift certificate for DX Engineers. Brent KD7OBD was the winner, pictured below:



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

ADAW





I'm looking forward to the MMRG membership picnic on May 11 and all the culinary delights from our members! We certainly have good cooks in our group! The repeater seems to be working well! Thanks for that, Bob.

73,

Lori, WA7EDI

ADAW

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.

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 (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



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

By the time this is published, the MCECG Public Service calendar will have been completed for this season. I have seen, or heard about, several successful events this season. Public Service is one way Hams give back to the community. I would like to thank each of the Hams who helped with an event. Their success would not have been possible without you. Please check out <http://www.mcecg.net> to begin looking at the fall events.

At the last tech meeting, we discussed some of the work being planned over the next few months. In particular, maintenance trips are being planned after the snow clears on the higher mountain sites. If you would like to help, please stop by the Coco's on the first Thursday of the month at 6:30 p.m. The Tech Committee would like your help.

The ARA is very focused on providing the Ham Community with high quality repeaters and links for their use. We need everyone's help to monitor for problems. The Tech Committee has a new email for you to report operational issues with the repeaters. When troubleshooting remote issues, more detail can often speed up the diagnosis. If you hear a repeater not operating correctly, email, problemreport@w7ara.net, and include as much detail as you can. It is always helpful to include your location (cross streets), frequency, date and time of the event, what you heard and a recording if you have one. Please help us keep the repeaters in good working order by monitoring and reporting issues.

The ARA repeaters have always been open and shared by all Hams. With the exception of Emergency or Priority traffic, all operators should operate in such a way to share with others wanting to use the frequency. The ARA has publicized guidelines for people sharing the ARA equipment. If you have not read them lately, I would encourage you to re-familiarize yourself with them, <http://w7ara.org/z/Conduct.aspx>.

Unfortunately, we do have some individuals who do not follow the ARA guidelines, or may violate FCC part 97. Sometimes this is unintentional. The ARA encourages good radio practices at all times from the operators using their system. If you hear operators who are not being good neighbors, nor following the guidelines, please complete an interference report, <https://w7ara.org/public/InterferForm.aspx>. As with the problem report, please provide any detail you may have. Particularly the Frequency

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.



**With Honor & Gratitude
We Remember**

**Memorial Day
May 27, 2019**

ADAW

ARA Continued from Previous Column

and if you can hear the other station on the reverse. Please support the ARA by reporting any interference you may hear.

The ARA board is very thankful for the support of the association. Anyone is welcome at the Board, or General Meetings. Hope to see you there.

73,
Brian McCarthy, AK7F

Continued Next Column

No Reports Received



ADAW

*Old Pueblo Radio Club
INTERMOD*

President's Column

OPRC Repeaters

146.66 - PL 110.9	wide coverage	W7GV
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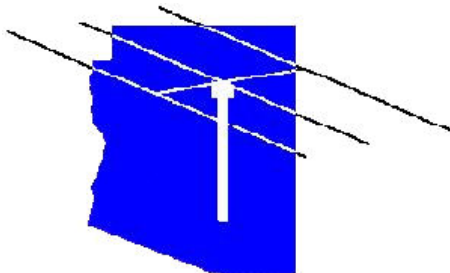
RACES Repeaters

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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SAVINGS



TS-990S | 200W HF + 6M Transceiver

- World's first dual TFT display • 200W output on all bands
- ±0.1ppm TCXD ensures both high stability and reduced power consumption • Triple 32-bit DSP's dedicated to main/sub receivers and band scope • Main receiver employs full down conversion, new mixer & narrow band roofing filters • Third order intercept point (IP3) +40dBm for highest level of RX performance (main receiver)

Call For Special Price!

\$40
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SAVINGS



TM-D710G | 2M/440 Dualband

- V+V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors
- Latest APRS firmware w/new features • Sky Command II remote functions

Call For Special Price!

\$250
INSTANT
SAVINGS



TS-480SAT/HX | HF + 6M Transceiver

- 480HX 200W HF & 100W 6M (no tuner) • 480SAT 100W HF & 6M w/AT • Removable w/front panel/speaker • DSP built-in

Call Now For Low Price!



TS-890S | HF/50MHz Transceiver

- Receive performance on a whole other level from narrow bandwidth roofing filters that only full down conversion can provide • CW Morse code decode/encode possible with stand-alone unit • 150dB Blocking dynamic range (BDR) • Expanded touch operation scope • Kenwood Sky Command II Support • Remote operation achieved without host PC Direct remote-control function (KNS)



TM-V71A | 2M/440 DualBand

- 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

Call Now For Your Low Price!



TH-D72A

2M/440 HT w/extended RX

- 5W TX, RX 118-524 MHz, VxU, VxV, UxU
- APRS w/built-in 1200/9600 TNC • Built-in GPS, Built-in USB, digipeater • Echolink® compatible • MII-Spec STD810

Call For Special Low Price!

\$300
INSTANT
SAVINGS



TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function • Improved 1st mixer • New PFB key with multi-function knob • New split function enabling quick setting • LED backlight with selectable color tone



TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • MII-Std specs • Hi-quality audio

Call For Special Low Price!

TH-D74A

2M/220/440 HT w/D-STAR!

- D-STAR compatible • APRS ready w/built in GPS • Color weather station information • Built-in KISS mode TNC • High-performance DSP voice processing • Standard compatibility for Bluetooth

Call For Low Price!

\$50
INSTANT
SAVINGS



TH-K20A | 2M Handheld

- 2M 5.5W • VOX • CTCSS/DCS/1750 Burst built-in • Weather alert

Call For Special Low Price!

5 Ways to Shop!

- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE - Toll-free phone hours 9:30AM - 5:30PM
- ONLINE - WWW.HAMRADIO.COM
- FAX - All store locations
- MAIL - All store locations

KENWOOD

*We wish you all a happy, healthy Memorial Day and summer!
Thank you for your continued support!*

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Jim K7EOG, Jim KE7EEU, Richard K1RAB, Bob W8RH and Laura KB6UHF*