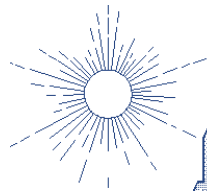


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 42, No 8

August 2017

CLUB MEETINGS SCHEDULE

SARC

Aug 2nd
Scottsdale Senior Center
7:00 PM

OPRC

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

MCCARC

Aug 7th & 21st
Mesa Community College Tech Bldg
7:00 PM

AARC

Aug 10th
Red Cross Bldg. - Phx
7:30 PM

TBARC

Aug 17th
North Phoenix Campus
Northern Arizona University
7:00 PM

CADXA

Aug 10th
PERA Club
7:00 PM

CLUB MEETINGS SCHEDULE

QCWA

October
TBD
Phoenix Area
11:00 AM

SuperstitionARC

Aug 15th
Charles K Luster Bldg
7:00 PM

MARCA

Aug 15th
Denny's Restaurant - Tempe
6:30 PM

ANSR

Aug 21st
via GoToMeeting
7:30 PM

OVARC

Aug 18th
Ascension Lutheran Church
7:00 PM

WVARC

Aug 7th
St Clement Catholic Church
Social Hall
7:00 PM

ARA

Aug 24th
Denny's Restaurant - Tempe
7:30 PM

MARA

Aug 26th
Barrow's Pizza - Maricopa
9:00 AM

YARC

Aug 3rd
Mile High Middle School
7:00 PM

CARL

TBA
AZ Science Center
TBA

ADAW Member Clubs

ARIZONA AMATEUR RADIO CLUB

The Arizona Amateur Radio Club meets on the **SECOND THURSDAY** of each month at 7:30 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	Joe Cutitta	W0SL	623.215.2226
Secretary			
Treasurer	Bob Hodges	K7JTT	602.375.9982
Activities Mgr	Lori Cripps	WA7ED1	
Membership	Bob Hodges	K7JTT	602.375.9982

AARC c/o Bob Hodges, K7JTT, 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	Kelley Law	KF7ZVL	
Secretary	Paul Jorgenson	KE7HR	
Treasurer	Alan Jensen	KE7FSD	
Past President	Paul Finell	W7EFQ	602.741.6563
Board Members	Jerry Jacques	KE7GYM	480.239.8679
At-Large	Dreux Jacques	W7EMU	
	Louis Schmitt	NQ7I	
	Judy Jensen	KE7IXI	480.773.8452
	David Yee	N7AJR	
	Paul Jorgensen	KE7HR	
	Ed Nickerson	WU7S	480.949.5162
	Charlie Brown	NJ7U	
	Bill Kouchis	N9EIV	

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 MONDAY** of the month at 7:30 p.m. on Skype. 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	Gary Duffield	WK7B	602.843.7724
Vice President	Chris Johnson	K6OZY	623.866.2777
Secretary	Gary Cline	AF7BJ	
Treasurer	Darren Johnson	AF7CO	
Board Members	Joe Arnold	AD0X	
	Andrew Cornwall	KF7CCC	
	Wayne Hale	W6IZK	
	Robert Fairfield	K7RQN	
Past President	Walt Reinert	NJ8G	602.938.8219

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. Mailing address: PO Box 83615, Phoenix, AZ 85071-3615.

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:	Cliff Hauser	KD6XH	
	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	Cliff Hauser	KD6XH	146.660, 146.820, 147.220-
	Paul VanBeverhoudt	KA7LFX	224.06+
Secondary	Ted Willis	AA7HX	146.66-
	Ralph Turk	W7HSG	146.82-
	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	Frank Engstrom	KB7IQ	480.209.7300
Vice President	Larry Buchanan	AA0LB	623.703.9161

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	Tom Fagan	K7DF	520.574.1129
Vice President	John Marshall	WA7BST	623.334.2583
Secretary	Clifford Hauser	KD6XH	520.235.7393
Treasurer	Dave Hanson	W7BJ	w7bj@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	Linda Sitterley	W7POF	mmrginc@gmail.com
Secretary	Lori Cripps	WA7EDI	602.955.7517

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

MARICOPA AMATEUR RADIO ASSOCIATION

The Maricopa Amateur Radio Association (MARA) meets the **FOURTH SATURDAY** of each month at 9:00 a.m. at Barrow's Pizza, 44600 W Smith-Enke Rd. (Smith-Enke and John Wayne Parkway) in Maricopa.

President	Steve Miller	W6SDM	602.290.1603
Vice President	Chris Canevit	W7CGC	
Secretary	John Wiltberger	N07IN	
Treasurer	Curt Steger	NA7CS	520.568.9471
Board Members:	Steve Miller	W6SDM	602.290.1603
	David French	N7FAN	480.430.9426
	Bob Howard	W8RH	520.709.6176
	Curt Steger	NA7CS	520.568.9471
	Ronald Beasley	KG7MUV	520.568.4880
PIO:	Steve Miller	W6SDM	602.290.1603
Webmaster:	David French	N7FAN	480.430.9426

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

WEST VALLEY AMATEUR RADIO CLUB

The West Valley Amateur Radio Club is an Arizona 501(c)(3) non-profit corporation. Meetings are the **FIRST MONDAY** of each month at 7:00 PM in the St Clements Catholic Church Social Hall located at 15800 Del Webb Blvd., Sun City. The board meets the third Tuesday of the month at Lou's Trivoli Gardens, 12535 W Bell Rd, Surprise at 7:00 PM. The Emergency Preparedness Group meets the third Monday of the month at 7:00 PM at Boswell Hospital. Club nets are held on 147.300 (tone 162.2) at 9:00 AM daily and Monday - Thursday at 8:00 PM. The preparedness net is held the last Friday before the monthly Monday night meeting at 8 pm on the NY7S repeater 147.300 MHz, Tone 162.2 Hz. A weekly breakfast is held on Thursdays at Lou's Trivoli Gardens, 12535 W Bell Rd., at 7:00 AM.

President	Jim Rogers	N7YTI	623.214.9219
Vice President	Harry Scholz	AF7UT	623.878.0587
Secretary	Sharon Blaylock	KI7DOK	623.584.6974
Treasurer	Geoff Bock	KB7QFP	708.723.7757
Club Directors:	Bob Paul	KG7FIL	623.252.0149
	John Siepmann	N9NA	623.266.8333
	Tom Connor	W7TLC	623.444.7956
	Nancy Collins	KG6QWW	623.398.5286

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.org>.

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
Vice President	Jeff Machesky	K7ZLX
Secretary	Brent Butler	W7FK
Treasurer	Douglas Mitchell	W7ADD
Board Members:	Andy Keels	KD4ABB
	Don Rollock	W2EUL
	Charlie Brown	NJ7V
	Dale Schmidt	N7QJK
	Dan Karnes	W7TWR
	Jeff Heinze	N7CCW
	Larry Fort	AB7C

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.

President	Norm Johnson	AA7OO	480.278.2886
Vice President	Dave Hall	N7ZPY	
Secretary	T D Kennard	N7ISR	
Treasurer	Don Aldridge	WA7RLL	
Director	Bill Hosking	W7JSW	
Director	Dusty Morris	W7ITM	
Trustee:	Norm Johnson	AA7OO	480.278.2886
Webmaster:	Norm Johnson	AA7OO	480.278.2886

MARCA, Inc., PO Box 28246, Tempe, Arizona 85285. Membership dues \$25 annually. See our website (<http://w7mot.org>) for more information about meeting schedules, membership, repeaters, library, and club activities.

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 SR 143 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	Virgil Silhanek, K7VZ	k7vz@w7ara.net
Vice-President	Brian McCarthy, AK7F	ak7f@w7ara.net
Treasurer	Erv Heimbuck, K0OTZ	k0otz@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 (Mike Montalvo, KF7MBK 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.

YAVAPAI AMATEUR RADIO CLUB

The Yavapai Amateur Radio Club meets the **FIRST THURSDAY** of every month at the Mile High Middle School located at the end of W Carleton Street west of Montezuma Street (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	Kathy Laing, KJ6KMK	president@w7yrc.org
Vice-President	John Stevens, AB9JS	vice_president@w7yrc.org
Secretary	Sandy Mattsen, K9WIZ	secretary@w7yrc.org
Treasurer	Tom Bishop, KI7FWZ	treasurer@w7yrc.org
Past President	Frank Bender, K8FB	k8fb@w7yrc.org
Board Members	Art Jackson, KA5DWI	ka5dwi@w7yrc.org
	Rex Mauldin, N7NGM	n7ngm@w7yrc.org
	Art Protas, KG6AY	kg6ay@w7yrc.org

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. (June is normally Field Day. December is annual Christmas Party and date and location varies.) Visitors are welcome. Board Meetings are held at 9:00 a.m. at the Oro Valley PD Substation EOC on Tangerine Rd (next to WalMart) in Tucson. Check the web site at www.tucsonhamradio.org for dates.

President	Steve Wood, W1SR	president@tucsonhamradio.org
Vice-President	Fred Bresani, W2HZ	vicepresident@tucsonhamradio.org
Secretary	Carl Foster, KB7AZ	secretary@tucsonhamradio.org
Treasurer	Hanna Eckert, KG7TPD	treasurer@tucsonhamradio.org
Board Members	Ross Eckert, K4WBR	
	Scott Boone, K7ADX	
	Gary Pierce, WE7GP	
	George Cooley, NG7A	
	Marnee Dearman, KG7SIO	

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/>.

MESA COMMUNITY COLLEGE AMATEUR RADIO CLUB

The Mesa Community College Amateur Radio Club meets the **FIRST** and **THIRD MONDAY** of each month at 7:00 p.m. at Mesa Community College located at 1833 W Southern Avenue in Mesa. The meetings are held in the Technology Center Building 50, Room TC414 on campus. Every other meeting focuses on beginner topics to assist members in testing for the Technician license. All are welcome to join and there are no membership dues or requirements other than only MCC students may vote and hold club officer positions.

President	Charlie Brown	NJ7V	nj7v@arrl.net
Vice President	T.D. Kennard	N7ISR	n7isr@yahoo.com
Senator	Victor Valderram		vicau50911@maricopa.edu
Secretary	Robert Swanson		robswanson30@yahoo.com

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. 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
Secretary	John O'Neal	K7IP	480.961.1109
Treasurer	Karen McConaghy	NO7D	602.799.7338

Board Members:

Jean W4CIH	ADAW, Publicity
Steve WB4ZSC	Tech/IT, CARL/ASC Interface
Fred K9TOS	Logbook/QSLs
Tom K9TOS	At Large
Sam N7INV	Scheduling
Dave W7PMD	Hamfests
John K7JP	Teacher Packets
Bob KG7QJ	Classes, ASC Contact

Web Master, ARCA Rep - Roger Buel, W9NCQ - 602.493.7242

For information: Email to carl@w7asc.org or call Jack, KD7ROB at 480.759.5195. Web Site: <http://www.w7asc.org>

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	Lee Finkel	KY7M	ars-ky7m@cox.net
Vice President	Fred Hoffert, III	NA2U	cwman1@aol.com
Secretary	Bill Poole	AA4Q	bill@poole.com
Treasurer	Alton Chaney	W7ACX	w7acx.480@gmail.com
Past President	Tom Kramer	NQ7R	tkramer@azci.net
Board Members	Larry Loen	WO7R	lwoen@gmail.com
At-Large	Mickey LeBoeuf	K5ML	k5ml@arrl.net

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.



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

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

From The Editor's Desk

Public Service Calendar

The White Mountain Hamfest is now in the record books. The new location was great and the weather was wonderful, sunny and much cooler than Phoenix! Attendance was good with fellow Amateurs from as far away as Yuma and Sierra Vista making the trip to the rim country to take part in the hamfest, visit with fellow Hams, and enjoy the cooler weather.

Mad Hatters provided food and drink for the event. For the early birds, there were coffee, donuts, and breakfast tacos and burritos. If lunch fare was more to your taste, you could partake of cold drinks (or coffee), and lemon-lime chicken tacos and burritos.

Clouds started rolling in and everyone was packing up to head out around 11:00 AM as the sky was beginning to look ominous and threatening. The prize drawing was held a little early in deference to the weather and safety of visitors and volunteers.

All in all, the Kachina Amateur Radio Club put on a great event. If you've never been to the White Mountain Hamfest, watch for the next one and make plans to attend. It's a wonderful way for the whole family to get away for the weekend, with the added bonus of a morning hamfest for the ham in the family!

Now we hit our yearly dry spell, as far as hamfests are concerned. The next event planned for the Amateur Radio Community isn't scheduled until October. The Maricopa Amateur Radio Association will hold its annual CopaFest on October 28, 2017 at the UltraStar Multi-Tainment Center at Ak-Chin Circle in Maricopa. The UltraStar Multi-Tainment Center is a great place to hold an event. There are plenty of things to do in the center and the casino and hotel are an easy walk away. This year's event will be the 2017 ARRL Arizona State Convention also, which will add even more to the event. So mark your calendars and plan to be there.

As many are probably aware by this time, the Arizona State Legislature passed a bill that will allow the Amateur Radio community to receive a share of the money paid by amateurs for their Amateur Radio license plates. Governor Ducey signed the bill on the 28th of March. The bill does not become law until the 9th of August which is 90 days after the legislative session ended. After that date, the state will begin depositing \$17 per plate (both purchased and renewed) into a separate fund from which distributions will be made. At this time, it is unclear when the funds will be distributed - quarterly or yearly - or when such distributions will begin. The Amateur Radio Council of Arizona will receive the disbursements from the state, and the board is currently working on guidelines for the funds.

73 'til next month,
Chris, N7PVL

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Barn Burner Mtn Bike Race	NW Flagstaff	09/09/17
Mogollon Monster	Pine AZ Area	09/16/17
Xterra Estrella Mtn Trail Run	Estrella Mtn Park	10/08/17
Tour De Scottsdale	DC Ranch Scottsdale	10/08/17
ADA Step Out for the Cure		10/28/17
Midwestern University, 59th Ave & Loop 101		
Javelina Jundred	McDowell Mtn Park	10/28/17
JROTC First Water	N of Apache Junction	11/04/17
Phoenix Half Marathon	Downtown Phoenix	11/05/17
Xterra San Tan Trail Run	San Tan Park	11/12/17
JROTC Shopies Flats	NE of Wickenburg	12/09/17
Scottsdale Half Marathon	Scottsdale Civic Center	12/10/17
Xterra-White Tanks	Waddell	01/07/18
JROTC First Water	N of Apache Junction	01/27/18
Runner's Den Pancake Run		02/04/18
EPhoenix, Paradise Valley Mall		
Xterra - McDowell Mtn	Fountain Hills	02/04/18
Black Canyon 100K		02/17/18
Spring Valley to the Emery Henderson Trailhead		
Lost Dutchman Marathon	Apache Junction	02/18/18
JROTC Shopies Flats	NE of Wickenburg	02/24/18
Xterra Black Canyon Trail Run - Black Canyon City		03/11/18
Mesquite Canyon	Waddell	03/17/18
Crown King Scramble	Lake Pleasant - Crown King	03/24/18
March of Dimes March for Babies		04/14/18
Wesley-Bolin Park, Downtown Phoenix		

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.





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

The start of Fall classes is just around the corner for Mesa Community College, with the first day of class coming on Saturday, August 19th. The MCC club will resume meetings on the 21st of August. Our focus at this first meeting will be creating a plan for recruitment of new members and generating interest in our board elections which will be on September 18th.

In July, the MCC ARC joined the Superstition ARC for Field Day by participating at their in-town location at Mountain View Park in Mesa, AZ. Temperatures soared to 112 in the afternoon, but we stuck with it and enjoyed getting on the air and socializing.

Last month, the club purchased a new Icom IC-718 with a grant from ARCA which was awarded way back in 2009. We are very grateful to ARCA for their generosity. We have big plans this year, hoping to use the radio to participate in the October School Club Roundup and several other events. We also installed a T-734 antenna on the roof of our building. With the antenna and radio, we finally have a modern amateur radio station for MCC students to use.

Finally, I want to remind all the readers that MCC alumni are invited and welcome to join our club. There are no dues or other requirements. The only stipulation for membership is that members of the club can only vote if they are attending classes at MCC, so all are welcome. We hope to see you at the next meeting.

Charlie NJ7V
MCC ARC President



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.

Tom Fagan, K7DF, President
QCWA Barry M. Goldwater Chapter 16 Arizona
k7df_tom@yahoo.com







Real Estate

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

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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.



MARA Continued from Previous Column

I could feel the rattlesnakes out there looking, but they didn't make an appearance. They probably didn't want to leave the relatively cool shade from under their rock to see what was going on.

Of course, the idea of Field Day is to operate under less than ideal conditions and without commercial power. I think we proved that if we had to, we could get a signal on the air in the event of a major prolonged power outage in Arizona. Now that I've experienced this, I may be tempted to drive to southern California and set up my radio if that ever were to happen . . . or maybe have Field Day from KH6 or KL7 land.

It was just before 7:00 A.M. and the temperature was already 97 degrees. I was the first to pull into Jim Korsten County Park in western Pinal County. There wasn't another soul around – probably because there wasn't anyone else brave enough, or dumb enough, to brave the Sonoran Desert during an excessive heat advisory. But it was Field Day, where the laws of physics don't apply.

Steve Miller

I sat in the Jeep appreciating the desert scenery – and appreciating the air conditioning even more, when Brian McGhee, Tim McCain, K7PTM and Karl Heino, N7TCL arrived. We were doing a little strategizing about where to stage everything when Curt Steiger, NA7CS pulled up. It didn't take long before Bob Proctor, N6YPE came on the scene with the ice for our coolers. Now we could get started.



Our plan was to operate overnight. We didn't necessarily plan on playing to win – we just didn't have the people to operate that way. But we did want to try as many bands as we could operate as a 2A station. What many don't realize is that Field Day is also a social event. It gives members a chance to converse and swap DX stories. That we did a lot of.

Bob, N6YPE

We used a walled pop up to try and keep the sun off of us and the dust out of the equipment. Plan A was to put a portable air conditioner inside backed up by a couple of fans. The A/C unit couldn't cool in triple digit temperatures (it had hit 100 by 11:00) so we just used the fans. We finally ended up moving the pop-up under the Ramada to keep the sun off of it too.



Steve & Tim

We made contacts using my IC-706 and Hy-Gain 12-AVQ tri-band trap vertical. We also used a 40-meter rotatable dipole made from two ham sticks and a special bracket, mounted on 20 feet of mast. Bob also had a 706 running and used a Rhombic that he designed himself. Tim brought along a Yaesu FT-450 that we used to make contacts on six meters. Using no more than 100 watts, our contacts ranged from Hawaii to Newfoundland.

Ron Beasley KG7MUV, Jim Charboneau KC1BB, McKay Monson, and Timothy Monson, checked in. The Monsons even came back around midnight to operate some more.

At five in the afternoon, everyone was feeling the heat. The temperature had climbed to 116 degrees. Some of our contacts back east were complaining about the rain. I just smiled. Coupled with wind gusts that threatened to blow our pop-up and everything inside it away, it certainly wasn't the epitome of comfort.



Continued Next Column



CARL Continued from Previous Column

the community never see. An invisible service. A service that, at some point touches every member of the community. Steve KB7QHP, retired from the weather service, is uniquely equipped to explain Sky-Warn, manned the table that was located at the entrance to the Forces of Nature demonstration and exhibit. He was busy! Many cubic yards of explanatory material handed out. Many questioned answered and very tired vocal cords at the end of the day.

Field Day at W7ASC would never reach its fill potential without the enthusiastic support by the Science Center staff and management. The Center building was plastered with posters. Entering visitors were provided with a document that announced, and explained, Field Day. There is no doubt that the large crowds that were observed visiting the Shack that day were there largely as the result of the visibility provided by ASC efforts. Every year this seems to get better.

Those of you who volunteer at the Shack are well aware that the Arizona Science Center attracts a large percentage of its visitors from other areas. Foreign languages and foreign dress are quite common in the halls and galleries.

This past Saturday, a quite distinguished appearing gentleman entered the shack and then sat, without invitation, at the Morse code station. He asked if someone would demonstrate the code for him, and perhaps teach him a few letters. The request was expressed in a very British dialect. Well of course we would be happy to provide that service. But we had noted that this gentleman had headed for the Shack from the moment that he had entered the Digital gallery. What has stirred his interest? What could we do for him that made us such an obvious priority destination? He explained that, Yes, he was indeed, British. In fact, he is an active member of the British Armed Forces. For quite some time he has been assigned to the Royal Signals section. That is the British equivalent to our Signal Corps. They never taught him Morse code, and he really, really wanted to know it. He heard the code when he was checking in and had asked about the location. There is now a new official badge on a British Army uniform. It reads "I sent my name in Morse Code at W7ASC."

You never know what fun you can have when volunteering at the Harkins Ham Shack at the Arizona Science Center. There will never be a better time to sign up as a volunteer, or suggest it to a friend. There is really no binding commitment.

Sam N7INV w7asc.sked@gmail.com will fit your preferences into the schedule. Do not be left out. Call Bob (480-961-1109) or Sam (602-291-0992) and they will send you an application. Or stop by the shack and pick one up in person.

If none of that works, contact the author, W7ASC, at 480-664-7353 jeanjol@hotmail.com

Have a great summer. Hope to see you see you at the Shack.

Field Day has come and gone, but it has left us with some memories that must be shared. The generosity of the Arizona Science Center allowed about a half-dozen licensed Hams to visit the Center and then help W7ASC volunteers with Field Day activities.

As a matter of course, there are usually two volunteers on duty at the Harkins Ham Shack. This number was increased by about 10db on field Day. There were "Do Your Name in Morse Code" stations on every floor of the Science Center. There was a NOAA weather expert Ham (Steve KB7QHP) at the Sky-Warn desk just outside the Forces of Nature gallery.

W7ASC was on the air on HF as well as VHF/UHF, providing contest points to other stations and on-air experiences to ASC visitors. This staffing level gave the Ham volunteers ample opportunity to explain Field Day and Ham radio as an essential Public Service. A service that is capable of providing communications even if access to power or cell-phones is out.

The "Do Your Name in Morse Code" session is concluded with the award of a certificate and a little sticky badge. Bob KG7QJ and John K7JP produced some very special certificates and badges that were marked as Field Day issue. Nice touch. With Morse Code ringing through all of the halls and galleries of the Science Center (and warm temps) visitors stayed long on Saturday, there was no mistaking the communication theme.

This Day brought together many of the Hams who founded the Center for Amateur Radio Learning (C.A.R.L.) Old Timers Rick Horwitz AB7FH and Charlotte KB7TKQ. Rick and Charlotte had not been at ASC for a long, long time. Dave Zinder W7PMD was there, as was John O'Neal K7JP and Bob Burlison KG7QJ. Some founders were missing, SK, and some were simply unable to make the journey. But we did see Willy AC7BI, teaching Morse to a young visitor.

Steve Warford WB4ZSC introduced an innovation to the Morse code protocol. When a visitor completed the code and had received the badge, Steve allowed that visitor to reach into a container and select a strip of paper. Each strip had a different number. When the visitor asked what the number meant, he was told that he had found the largest number that would be found on any of those strips. A winner! A happy visitor.

Most of the ADAW readers realize that the Sky-Warn volunteers provide a vital service of which most members of

Continued Next Column



Field Day is done for another year, and once again we had a great time at Jack's place. We don't have an estimate of our score at the time that I write this, but by the time you read this we should know roughly where we are. Based on the recent solar weather, I predict a lower score than last year - but that might not affect our ranking, since we all share the same space weather!

If you were at Field Day, you saw Gary Cline taking pictures. If you weren't at Field Day, you can see a little of what it looked like in the pictures below. Make plans to share in the fun next year!

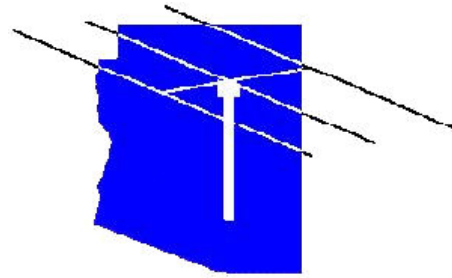
There still might be time to squeeze into the August Escape which runs from Friday, August 18 through the eclipse day - Monday, August 21. It's at the O'Leary Group site at Sunset Crater, north of Flagstaff. Many thanks to Gary Cline AF7BJ for organizing it - to sign up or just to say thanks, you can reach him at ghcline@cox.net.

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. In August, Darren Johnson AF7CO will talk about oscilloscopes (and possibly other test equipment). What mysteries unfold if you know how to read the traces on the green screen? Join us and find out!

Andrew Cornwall KF7CCC
kf7ccc@arrrl.net



Photos by Gary Cline, AF7BJ



MARCA INC.

No Report Received



My interest in Amateur Radio began with a desire to have better communications. As an avid off-roader, the CB radios that many of us had installed, just didn't cut it. With larger groups of 15 vehicles or more, often times the back of the pack would not be able to hear the trail leader. That is not acceptable. So, I discovered ham radio and greatly improved my communications capabilities, but did that make me a better communicator? No, it did not. Lucky for us, there are tons of free resources and training available to become better communicators.

The first place to get started is every Monday evening at 9:00 p.m. [www. AEN-MAR.org](http://www.AEN-MAR.org) The training provided by the AEN-MAR net is hands down the best way to get your feet wet. The Monday night nets provide an opportunity for people with the passion to use their radios and licenses for the benefit of others to do real things, learn and hone skills, and put their equipment through the paces. You'll hear and participate in weekly on-air exercises, practice drills, and equipment tests while improving operator skills. Everyone is welcome to participate from seasoned operators to freshly minted hams.

Another option is the upcoming annual MCECG Training Class on August 5th. This dynamic class will teach you about proper operating procedures, battery management, antenna dynamics, and the various roles which are routinely used in public service and emergency communications. This class is packed full of information that is valuable to both the new and experienced ham. To sign up for this class on August 5th, go to www.MCECG.net, Log In on the left menu, then choose Select Events, followed by Sign Up next to the MCECG Training Class.

The U.S. Department of Homeland Security through FEMA Emergency Management Institute also offers several online training courses for free. On their web site, look under Independent Study. <https://training.fema.gov/> There are four basic courses that every ham should start with. Each can be completed at your own pace, online, at your home. IS-100.B: Introduction to Incident Command System, IS-200.B: ICS for Single Resources and Initial Action Incidents, IS-700.A: National Incident Management System (NIMS) An Introduction, and IS-800.B: National Response Framework, An Introduction. Although it may seem these courses are targeted at professionals, it's a great way to expand your skill set and knowledge when interacting as a ham with other agencies.

Continued Next Column

ARA Continued from Previous Column

Once you've completed the four FEMA courses, enroll in an upcoming AUXCOMM class. The information taught in the Auxiliary Communications class is a must for all emergency communicators. This course focuses on auxiliary communications interoperability, the relationship between the COML and the volunteer, emergency operations center (EOC) etiquette, on-the-air etiquette, FCC rules and regulations, auxiliary communications training and planning, and emergency communications deployment. It is intended to supplement and standardize an operator's experience and knowledge of emergency amateur radio communications in a public safety context. There have been several classes taught in Arizona already this year, so email Dennis KE7EJF ke7ejf@cox.net and Michael WB2SEF wb2sef@cox.net, asking to be put on the wait list for the next AUXCOMM class.

I hope everyone is able to take advantage of some or all of these opportunities and become better communicators. We're lucky to have these resources available to us.

Virgil K7VZ
ARA President



Want Ads

WANTED:

I am looking to purchase an alinco DJ-G29T 222/900 MHz Dual-Band HT. If you have one to sell, please contact:
Larry Stafford, N7WBU
3527 S Chesin Drive
Tucson, AZ 85730-2319
email: TFDFDF@cox.net



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SHORT SKIP

ADAW



**West Valley
Amateur Radio Club
High-Speed Multimedia
Special Interest Group**

The West Valley Amateur Radio Club is starting a high-speed multimedia special interest and mesh networking group. If anyone is interested, please let me know.

Bob KG7FIL kg7fil@arrl.net

ADAW

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Arizona Near Space Research was out in force at the 2017 Prescott hamfest. The flight, ANSR-108 was a dress rehearsal for the upcoming NASA Eclipse! flight to take place next month in Glendo, Wyoming. As previously reported, ANSR is one of the several groups that will be photographing the shadow of the eclipse from near space and streaming live video to NASA TV.

Our flight went well and we were able to successfully stream video via our portable satellite Internet system. Unfortunately, we had to move the launch site away from the hamfest at Embry-Riddle Aeronautical University to a location on Senator Highway in Prescott. Our predicted recovery location from the original site promised to put the touchdown in a totally inaccessible location.

Recovery of the payload is paramount to the success of a flight. Thousands of dollars in radio, transponder, and camera equipment are on each flight. Plus, the results of a student experimental payload may depend on physical recovery. However, no amount of value is worth the risk of injury, especially in a remote location.

Bob Shipton, K8EQC was designated the recovery lead. The payload was located at N 34°53.56 Latitude, W 111°48.41 Longitude on the southeast side of the Capital Butte Mountain complex between Devils Bridge and Capital Butte. It was at an approximate 407-foot climb at a 40-degree angle.

As it turned out, our actual recovery location was almost as inaccessible. Our recovery team, Forrest Murdoch, WH6EAL and Rick Cofone, K2CRC got within 100 feet of the payload but couldn't safely take hold of it. We ended up having to regroup and come up with a new recovery plan.

On June 14, we contacted the Verde Valley Search and Rescue Team, who were able to use their special skills and equipment to recover the payload.

High Altitude Ballooning is a multi-skilled hobby in which offers the chance to explore a region above the earth called "Near Space." It includes the chance to plan, design, and construct electronics, learn about radio theory, GPS modules, APRS, and then allows this all to be put to practical use. It can integrate a hobby of off road driving and amateur radio with many other disciplines necessary for a successful flight.

Our next adventure is the August 21st Eclipse! flight in Wyoming. Watch us on NASA TV.

Steve Miller

ADAW



The July meeting featured Kristen McIntyre, K6WX, presenting "Ground is a Myth." Kristen has been hamming since her student days at MIT and has been very active as a DXer, net control, technical advisor, and club leader in the SF Bay area. So many people, especially new hams, asked her about grounding for their stations that she developed this program, which she delivered to CADXA via the internet using TeamViewer. She challenged a lot of our long-held assumptions about ground and presented some of her own ideas about how to most effectively protect a station from stray RF. She had a lot of scientific evidence to support her theory that RF ground has its limitations and that the ground outside is usually a poor conductor at best when it comes to antennas. However, as far as lightning protection, she is a believer. One message that certainly resonated with those attending was to use ferrites/toroids on every radio and computer cable to minimize both RFI and noise in the shack as a more effective approach than just tying everything to a common ground.

We have great expectations now for two major DXpeditions in early 2018 – 1) the well-publicized and very expensive one to Bouvet Island in the Antarctic and 2) one recently approved by U.S. Fish and Wildlife to Baker Island in the Pacific. It has been a while since we have experienced big pileups on the bands, so it is nice to have some which we can begin to anticipate. I need them both on RTTY, so I am excited that these two workable entities will be on the air again soon.

The last few weeks have seen the birth of a new digital mode in the Joe Taylor WSJT-X family, FT8. It takes up much less bandwidth than JT65 and takes a quarter of the time to complete a QSO (90 seconds or less). Although still in the Beta phase of development, it was used extensively by folks in the CQ VHF Contest for 6 meter QSOs this past weekend. Download it and give it a try. You will find it by scrolling down Joe's web page <https://physics.princeton.edu/pulsar/k1jt/wsjt.html> and looking for wsjtx 1.8.0-rc1.

Next Meeting on August 3rd

Our next meeting will be on Thursday night, August 3rd at the PERA Club beginning at 7:00 p.m. The program will be "Meteor Scatter" presented by our own Tom Kramer, NQ7R. Tom has been chasing meteors for several years and will discuss how this mode has evolved with new computer

July already, WOW! July starts the new year for MMRG membership. Those of you that haven't already renewed, now is the time to do so. Send your annual \$20.00 dues to MMRG Treasurer Linda Sitterley, W7POF, 171 Caliche Drive, Chino Valley, AZ 86323. If you are in doubt about whether you owe dues for the 2017-18 year, go to <http://www.k7mrg.org/> On the membership roster those of you who are current for at least 2016-17 will be listed and in the 8th column it lists the year you are paid through.

MMRG has gained two new members in the last month, John Timmons, N7LQR of Maricopa AZ, and Jim Bromley, K7JEB of Glendale, AZ. Welcome John and Jim!

Phil, WA7UID, long time member and officer of MMRG, reported to me that the downtown Phoenix 147.280 PL 162.2 repeater is working well. He has worked it out west quite a ways on I-10 and East to near Apache Junction.

Have a happy summer and try to stay cool.

73 Bob Sitterley K7POF

ADAW

CADXA Continued from Previous Column

programs. This is a fascinating mode that requires quick timing and has peak periods of activity around Earth's meteor showers, one of which comes in August (Perseids will peak on the night of August 12-13).

Please feel free to arrive early to socialize with your friends. Refreshments will be served at the break. Guests are always welcome.

73,
Lee, KY7M
CADXA President

ADAW

Continued Next Column



Field Day GOTA Station Field Day Main Station

We at the Yavapai ARC hope that you all had a chance to participate in Field Day either out in the “field” or in a club gathering. YARC, for the second year, conducted our Field Day activity from our club station, along with our annual picnic. While propagation was poor, there was quite a lot of activity on the air and our operators had a good time. With nearly seventy people attending the club picnic, with chef Terry and Joann Schultheiss presiding, a great time was had by all.



Field Day Picnic

Propagation was a factor in our Granite Mountain Hotshots memorial event on June 30. But we still managed to log 124 contacts from pretty much around the country and Canada from our N7GMH memorial station. Many special QSL certificates have been sent out already, with a few more requests coming in still.



Field Day Picnic Hosts

YARC continues our series of licensing classes for people interested in Ham radio. Contact Brian at classes@w7yrc.org to sign up for future classes. Check the club website www.w7yrc.org for schedules as they come available. Currently we have a Tech class scheduled for July 29 and August 5. Both a General class and an Extra class are planned for this year, but the dates are not yet confirmed. Upcoming regular test session is Sept.9, 2017, followed by another our last of the year on November 11th. For more info on the test schedule, email testing@w7yrc.org

N7GMH Special Event Station

Come join us for one of our monthly club meetings. We always meet on the 1st Thursday of the month at the Mile High Middle School in downtown Prescott; 15 degrees cooler than the valley at 5400 feet.



Field Day Antenna



SCOTTSDALE AMATEUR RADIO CLUB, INC.



Club Station: W7UF
 Club Repeaters: 147.78/.18 & 445.00/440.00

At the end of June we enjoyed the ARRL Field Day across the nation. It was too late to get some pictures of the event into the July issue of ADAW so here we are in the August issue. Enjoy these pictures and the beautiful forest background



Some of the guys arriving were in a terrible hurry and so we had some unusual parking situations.



Teamwork is the key. We have the logger and the operator working the band.



Some of the gals did better than the old hams. That's not a surprise.



Bill N9EIV making a few contacts. He is a super operator.



Here are those ladies of the HF bands. Whenever they are on the air, they cause a pile up!

Of course, our July General Club Meeting was a wrap up of the Field Day Event and our annual ice cream social. The members went through two gallons of ice cream and most of the cookies and fudge we had brought.

The Club has a net every Tuesday at 7:00 P.M. on our repeater system. The repeaters are on 147.18 with a tone of 162.2 and on 440.00 with a tone of 100.00. Everyone checking in can give us a run down on what they have been up to in lately. Sometimes we have an interesting question for everyone. So set your clock for Tuesday's at 7:00 and we will see you on the air.

Well, that's all I have for now. Be well and keep hamming.
 Ed Nickerson WU7S

SARC CONSTANTS:

SARC is a 501 (c)(3) club. That means all donations are fully tax deductible. Contact Paul Jorgenson, KE7HR at 602.992.8043 for information on estate donations and equipment pick-up.

For membership information, call Judy Jensen, KE7IXI at 480.773.8452. Please send address change requests to Judy no later than the 7th of the month in which you would like the change to occur.



Hamfest Calendar

28 October 2017 - **2017 ARRL Arizona State Convention/Copafest 2017** - hosted by the Maricopa Amateur Radio Association will be held at the UltraStar at Ak-Chin Circle in Maricopa. Swap Meet, Free VE Testing, Educational Seminars, Raffle Prizes and more. In addition, UltraStar offers 12 Cinemas, 24 Lanes of Bowling, Laser Tag, a Video Arcade, Restaurants, Cocktail Lounge and much more. For info, visit the web site at www.copahams.org or email info@copahams.org

11 November 2017 - **Oro Valley ARC Hamfest** - hosted by the OroValley Amateur Radio Club will be held at Marana Middle School, 11285 W Grier Road in Marana. Gates open at 7:00 AM (5:00 AM for sellers) and closes at 1:00 PM. Admission: \$5 (Children under 12 free with a paid adult). Valid Student IDs are also free. Sellers: \$10 per space and includes seller. Prizes, VE Session, Seminars, QSL Card Checking, Breakfast & Lunch Available. Talk-In: 146.620(-), 444.100(+), and 147.32(-) all PI 156.7. For information, visit the web site at orovalleyarchamfest.com or contact Steve, W1SR at w1sr@arrl.net

18 November 2018 - **HARKFEST Tailgate Hamfest** - hosted by the Hassayampa Amateur Radio Klub will be held at North Ranch Escapees RV Park, 30625 S Hwy 89 in Congress. Free Admission, Free Tailgate Sites (Pre-Registration Required - djgrooms@yahoo.com) Overnight Camping (Full Hook-Up or Dry) Available (pre-registration required for camping at www.escapees.com/parking/congress) Tailgating permitted at campsite. VE Testing Available upon Request - Prizes Arts & Crafts Show 9 AM - 2 PM and Lunch at Activity Center

2 December 2017 - **Superstition SuperFest 2017** - hosted by the Superstition Amateur Radio Club will be held at Mesa Community College, 1833 W Southern Avenue in Mesa. Hours are 8:00 AM to 4:00 PM. Admission \$5.00 per person, children 12 and under free. Tailgate \$10.00 per space. Grand Prizes and Hourly Door Prizes. VE Testing - Registration from 8:00 AM until 9:00 AM, Testing begins at 9:00 AM. Pre-register at times listed. ARRL Card Checking. Special Events Station - K7A Commemorating the USS Arizona. GOTA Station. Fox Hunts. For more information, contact the SuperFest Chairman at chairman@superstitionhamfest.org.

13 January 2018 - **Thunderbird Hamfest** - hosted by the Thunderbird Amateur Radio Club will be held at the Northwest Community Church, 16615 N 43rd Avenue in Phoenix. Visit the TBARC web site at www.w7tbc.org for additional information. Contact: Walter Reinert, NJ8G at 602.938.8219 or nj8g@cox.net for more information.



July was a busy month for travel. Since the president and secretary were both out of town, the July meeting was a social gathering which I'm told was a pleasant get together.

At the August 10 club meeting, Secretary Reinhard Geissler may give us a report on the big hamfest in Germany, HAM RADIO, that he and Ingrid attended in mid-July.

The Thursday night net, which meets every Thursday when there is no club meeting, has been active. Join us on the net at 7:30 P.M. on 147.060 MHz. AARC meetings are held the second Thursday of each month at the American Red Cross Building at 4747 N. 22nd Street at 7:30 P.M. Visitors as well as members are welcome.

73,
Lori, WA7EDI

ADAW

Hamfest Calendar Continued from Previous Column

16 - 17 February 2018 - **2018 Arizona Section Convention/Yuma Hamfest** - hosted by the Yuma Amateur Radio Hamfest Organization will be held at the Yuma County Fairgrounds, 2520 E 32nd Street in Yuma. Visit the web site at www.yumahamfest.org for additional information.

ADAW

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.

August Test Sessions

Aug 1st - Mohave ARC -- 5:00 PM

Kingman Regional Medical Ctr, 3269 N Stockton Hill Rd, Kingman
Contact - William Smith 928.303.9857

Aug 3rd - 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

Aug 5th - ORO Valley ARC -- 10:30 AM

Oro Valley Police Sub-Station, Oro Valley Marketplace, Oro Valley
Contact - Quinton Gleason qagleason@comcastnet

Aug 5th - DeVry ARC & WVARC -- 9:00 AM

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

Aug 7th - AARC & WVARC -- 12:00 PM

St Clement Church, 15800 N Del Webb Blvd, Sun City
Contact - Joseph Cuttita 623.215.2226

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

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

Aug 15th - Motorola ARC of Arizona -- 5:00 PM

Denny's, 825 S 48th St, Tempe
Contact - Edward Olague 602.885.7725

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

Honor Health Medical Office Bldg, 19841 N 27th Ave, Phoenix
Contact - James Skinnell 602.826.1949
No Walk-Ins

Aug 16th - Central Phoenix VE Team -- 6:00 PM

South Mountain Community College, 7050 S 24th St, Phoenix
Contact - Bill Martin 480.205.3625
No Walk-Ins - Limit Space - Contact Prior to Exam



**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

Much like our friends back east during winter, I'm beginning to have "cabin fever" - being forced inside with all the monsoon related weather. I have heard quite a few reports of Hams losing antennas and masts on the local repeaters due to recent storms. So far I've been lucky, but then my collection of outdoor antennas has been greatly reduced from previous years.

Not much to report equipment wise at the Red Cross. It's still too uncomfortable to do any antenna or repeater work up on the roof. Next up for the ARCCC is a planning meeting to go over some the needed repairs and maintenance work required, once the weather cooperates.

Don't forget about the Public Service Amateur Radio Group's (PSARG) Tuesday net at noon on the Red Cross repeater (146.84 - PL 162.2) and then again at 6:30 P.M. on Saturday (new day).

Your Humble Scribe,
Mark, N7KKQ

ADAW

Test Sessions Continued from Previous Column

Aug 19th - Un-sponsored -- 10:00 AM

Kingman Middle School, 1969 Detroit Ave, Rm 310, Kingman
Contact - Daniel Miller 928.897.3883

Aug 21st - East Valley VE Team -- 6:00 PM

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

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

American Red Cross, 4747 N 22nd St, Phoenix
Contact - Gary Hamman 602.996.8148
No Walk-Ins - Pre-Registration Required by Friday night

Aug 29th - PV Ham Study Group -- 6:30 PM

Trinity Lutheran Church, 3950 N Valorie Dr, Prescott Valley
Contact - J.M. Scherfling 928.632.2050

Continued Next Column



Old Pueblo Radio Club INTERMOD

President's Column

No Report this Month

Summer's Heat Doesn't Slow Us Down

Now that Field Day has come and gone, it's safe to say that we probably had our best turnout ever for this year's event with 39 individual Oro Valley Amateur Radio Club Members having signed up. With lots of incentives to sign up as an operator or a volunteer, we also participated in our first ever Field Day Challenge. We'll find out the results later in the year. Some were very excited about their first-ever Field Day contacts on HF. Much gratitude goes out to all those who made this event a success and in particular to Tom, W8TK who pulls together this event year after year. THANK YOU TOM!

The Burro Fire in Tucson completely closed down July 4th activities on Mount Lemon, including our planned operating event there. Seeking a higher elevation to escape the heat would have been just a side benefit as Ross, K4WBR and Hanna, KG7TPD were prepared to host our club with a "well-controlled barbecue" and lots of ice cream. We also had a parade entry to spark (no pun intended) some general interest in Amateur Radio. For safety reasons access to the mountain was temporarily halted. Although the fire got close, fire crews kept the flames several miles away. The recent rains have allowed crews to achieve more containment but the fire continues.

Off we go into our August event which will be indoors at The Pima Air & Space Museum. More details will be announced in the next newsletter.

The July O.V.A.R.C. Meeting promises to be really exciting. Skip, K1NKR will SKPYE in with a presentation about the Titanic and how it impacted amateur radio. We are anticipating a record turn out for this one.

We are constantly looking for new club members. If you even have a casual interest in ham radio and can conveniently make some of our meetings, we would love to have you join us. Dues are on par with other clubs at \$25 per calendar year.

Our November hamfest is coming together. It's on November 11 this year which is Veteran's Day and we plan to have a special event to recognize our Veterans. We are always on the lookout for "gently used" ham radio related donations that we can sell to benefit the club. Please contact us through the Club website if you have a donation. www.tucsonhamradio.org.

73 and Stay Cool! Steve, W1SR

OPRC Repeaters

146.66 - PL 110.9	wide coverage	W7GV
146.82 - PL 110.9	wide coverage	W7GV

RACES Repeaters

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

ADAW

For Sale

Partly Restored Vintage Tube-type Transmitter - \$485

Baker Williams B&W 5100B AM/CW, 80-10m, 150w(2)6146's, has built in VFO and restored dial. Included is: Matching B&W 51SB-B SSB Generator (for ssb operation). Both will need new electrolytic filter capacitors. Interconnect cables (between 5100B and 51SB-B) included. Contact: Ray, W7GNE @ 480-540-4629.

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.

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



August Meeting Aug 15 at 7:00 P.M.

This is the “early” third Tuesday of the month, the one that can sneak up on us before we know it. It happens that August begins on a Tuesday . . .

The August presentation will be on VM Machines and setting up and running a Virtual Box. Learn all that you can do with one that is properly set up. (Topic: Computers)

We always welcome visitors to our meetings.

July’s President’s Corner

Well June has come to end and once again the Board of Directors got some club business finished up. We discussed and made some changes to the By-Laws. We then brought those changes to the General club meeting and had discussion with the members in attendance. Following proper protocol for such a change, we held a vote at the June General meeting where those in attendance at that meeting voted on the change. Only up to date paid members could vote. The vote was an anonymous yes. This was to change the date that all club dues would need to be due for payment in October. Please go to the website to read it in full. Thank you to all Board and club members for helping to make this change.

We end this month with another outstanding Field Day this year. Although, we had very little attendance this year, we had a great time hanging out and even making a few contacts. We had 14 people there at the site near Stoneman Lake. Dan KC7MSU, Brent W7FK with son Justin and Son-in-law Jacob, Terry KE7GRV, Terry NK7T and Wife, Brian W7JET and Wife, Douglas W7ADD, Myself KB7KWK and wife, Stopping by for the day was Don W2EU1 who stayed until evening, and we had a new ham and a club member Rolando Ferollino KE7PKU there until the end. Brent brought along his new crank up tower and a huge beam antenna that we helped him push up to 50 feet in the air. That was probably one of the biggest highlights of this event and it was the first time this club has had such a massive antenna set up in its Field Day history. After getting the hang of things Brent and the boys kicked buns on making contacts on 40 meters. He even grabbed a little DX in the process. He was having a blast. Dan and I logged around 20 contacts late into Saturday night after battling with Brian’s CW only a few feet away. Then we got smart and put on the 40-meter band pass filter. I know, why didn’t we do that first, hey we were anxious to make contacts Terry NK7T was only up for the day but was not having any luck on PSK31. In fact I don’t think he made a single contact. Too bad but that happens sometimes.

Continued Next Column

Superstition Continued from Previous Column

Terry KE7GRV and Rolando logged a few contacts on 17, 20, and 40 meters and Brian logged around 100 CW contacts. I think the total was over 200 all together. We are currently working on possibly getting a permanent Field Day site for the future. More on that as it comes available. Thank you to Dan KC7MSU and Brian W7JET for organizing the Field Day in Jeff’s absence. Jeff, we hope you are getting better; you were greatly missed at Field Day. Just not the same without you being here, Get well soon . . .

See you all at the next meeting
73 Steve KB7KWK

Why is the U.S. flag worn backwards on army uniforms? And on baseball jerseys by the Arizona D’Backs during July 4 weekend?

The team jerseys had a right-shoulder patch with the backward flag, in accordance with Army regulations predating the Civil War. Back in the day, standard bearers carried the flag into battle, and the forward motion caused the flag to stream backwards as seen from an observer on the right side. By the same token, a patch on the right shoulder displays the flag as if it were streaming backwards during forward movement of the wearer.

Source: www.thebalance.com/why-is-the-u-s-flag-worn-backwards-on-army-uniforms-3357002

Field Day 2017 K7K

The Superstition club used a site near Stoneman Lake, 61 miles north of Payson off of Lake Mary Rd. this year. It’s a little further north than in past years, but we still had 14 in attendance, including Dan, KC7MSU, who won the Yaesu FT-991 drawing at the June meeting. He had it in use at Field Day.

Brent, W7FK brought a 50ft crank-up tower and a six-element Yagi, making that the biggest antenna in the club’s Field Day history. Brian, W7JET usually has a ton of success using a CCD dipole antenna and made 100 CW contacts.

And computer logging allowed the club to send one log to ARRL for its K7K operation.

73 Larry Kuck WB7C



Superstition ARC Field Day Photos



Everyone who had a blast at Field Day



Dan, KC7MSU and his new Yaesu FT-991!



KT34XA beam at 50ft

ADAW



Awesome KT34XA beam assembly crew - 30dB over in Australia!



W7JET made 100 on CW

Superstition ARC Repeaters

147.120 MHz (+) 162.2 Hz - Usery *

448.275 MHz (-) 100.0 Hz - Usery

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 Business Net: Wednesdays, 8:00 PM - Featuring Club News, Elmer Q&A and AR Newslines.

Mesh Information Net: Thursdays, 6:30 PM

East Valley Swap Net: Thursdays, 7:30 PM

National History Net: Thursdays, 8:30 PM. Quizzes you on National History.

10-Meter Rag Chew: Thursdays, 8:00 PM, 28.465 MHz USB
Morse Code Class Net: Saturdays, 7:00 PM

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.

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TM-D710G | 2M/440 Dualband

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

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NEW

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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

TS-2000/2000X | HF/VHF/UHF Transceiver

- 100W HF, 6M, 2M • 50W 70CM • TS-2000X 10W 1.2GHz
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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

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Call For Special Low Price!



TH-D74A | 2M/220/440 HT w/D-STAR

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