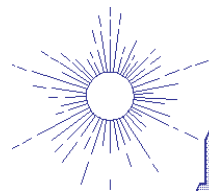


**ADAW**

4529 W. Park Place  
Glendale, AZ 85306-1512



**ADAW**

**Arizona Desert Aire Waves**

**Vol 43, No 7**

**July 2018**

**CLUB MEETING SCHEDULE**

**QCWA**

August  
TBD

Phoenix Area  
11:00 AM

**WVARC**

Jul 2nd  
Shepard of the Desert  
Luthern Church  
7:00 PM

**SuperstitionARC**

Jul 17th  
Charles K Luster Bldg  
7:00 PM

**ARA**

Jul 26th  
Denny's Restaurant - Tempe  
7:30 PM

**MARCA**

Jul 17th  
Denny's Restaurant - Tempe  
6:30 PM

**MARA**

Jul 7th  
Maricopa PD Community Rm  
9:00 AM

**ANSR**

Jul 19th  
via GoToMeeting  
7:30 PM

**YARC**

Jul 5th  
Prescott Rodeo Grounds  
7:00 PM

**OVARC**

Jul 20th  
Ascension Luthern Church  
7:30 PM

**TCARA**

Jul 16th  
Goodyear City Hall  
7:00 PM

**CLUB MEETING SCHEDULE**

**SARC**

Jul 4th  
Scottsdale Senior Center  
7:00 PM

**AARC**

Jul 12th  
Red Cross Bldg. - Phx  
7:00 PM

**OPRC**

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

**TBARC**

Jul 19th  
North Phoenix Campus  
Northern Arizona University  
7:00 PM

**MCCARC**

Jul 2, 9, 16, 23, 30  
Mesa Community College Tech Bldg  
7:00 PM

**CADXA**

Jul 5th  
PERA Club  
7:00 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](http://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	Ray Vasques	K4RMV	
Secretary	Paul Jorgenson	KE7HR	
Treasurer	Ed Nickerson	WU7S	480.949.5162
Past President	Paul Finell	W7EFQ	602.741.6563
Board Members	Bob Johnston	K7TR	
At-Large	David Yee	N7AJR	
	Bill Kouchis	N9EIV	602.723.0700
	T D Kennard	N7ISR	
	Ray Vasquez	K4RMV	(ARCA Rep)
	Bruce Harmsen	KA9EYX	
	Chris Tabor	K7TAB	
	Irv Hembeck	K0OTZ	

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](http://www.scottsdalearc.org)

## ARIZONA NEAR SPACE RESEARCH

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

President	Stephen Thomas	KE7TLS	iamgadget1@yahoo.com
Vice President	Clayton Jacobs	KJ6QJS	
Secretary	Steve Miller	W6SDM	
Treasurer	Bill McLean	K7WWM	bmclean1@gmail.com

ANSR, PO Box 31003, Mesa, AZ 85275-1003. DUES: \$10.00/YR. Web Site: [www.ansr.org](http://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	Chris Johnson	K6OZY	vicepresident@w7tbc.org
Secretary	Gary Cline	AF7BJ	secretary@w7tbc.org
Treasurer	Darren Johnson	AF7CO	treasurer@w7tbc.org
Board Members	Clair Wyant	KG7MAJ	kg7maj@w7tbc.org
	Wayne Hale	W6IZK	w6izk@w7tbc.org
	Robert Fairfield	K7RQN	k7rqn@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](mailto: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:	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	John Marshall	WA7BSR	623.334.2583
Vice President			
Secretary			
Treasurer	Dave Hanson	W7BJ	w7bj@outlook.com
Webmaster	John Marshall	WA7BSR	623.334.2583

Web Site: <http://azqcwa.org> Email: [azqcwa@gmail.com](mailto: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

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 **FIRST SATURDAY** of each month at 9:00 a.m. at Maricopa PD Community Room, 17985 N Greythorn Dr. in Maricopa.

President	Steve Miller	W6SDM	602.290.1603
Vice President	Chris Canevit	W7CGC	
Secretary	John Wiltberger	NO7IN	
Treasurer	Curt Steger	NA7CS	520.568.9471
Board Members:	Ronald Beasley	KG7MUV	520.568.4880
	Bob Howard	W8RH	520.709.6176
	David French	N7FAN	480.430.9426
	Dale Dallon	KB7DD	
	Greg Harding	KG7VNZ	
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](http://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 at Shepherd of the Desert Lutheran Church, 11025 N 111th Avenue in Sun City. Doors open at 6:00 PM, Meeting starts at 7:00 PM, VE Testing at 8:00 PM. 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 every Thursday at Lou's Trivoli Gardens, 12535 W Bell Rd., at 7:00 AM.

President	Gary Robin	K9HDU	
Vice President	Ralph Nagle	W9ADW	
Secretary	April Kramer	KI7GFJ	602.284.6312
Treasurer	Tom Connor	W7TLC	623.444.7956
Club Directors:	Bob Paul	KG7FIL	623.252.0149
	Nancy Collins	KG6QWW	623.398.5286
	Many Blanco	KI7QLD	
	David Putman	W7DCP	

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>. Email: [suncitywvarc@gmail.com](mailto:suncitywvarc@gmail.com)

### 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:	Dan DeVliieger	KC7MSU	480.335.4914
	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
	Larry Fort	AB7C	480.861.7066

Superstition ARC, 5155 E Eagle Dr #21522, Mesa, AZ 85277. Web Site: [SuperstitionARC.org](http://SuperstitionARC.org) and [SuperstitionSuperFest.org](http://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](mailto: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	Norm Johnson	AA7OO	480.278.2886
Vice President	Dave Hall	N7ZPY	
Treasurer	Don Aldridge	WA7RLL	
Board Member	David Yee	N7AJR	
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](http://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.

## 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](http://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	Joe Thomas, KG6IDN	vice_president@w7yrc.org
Secretary	Art Jackson, KA5DWI	secretary@w7yrc.org
Treasurer	Mike Reid, N7IEP	treasurer@w7yrc.org
Board Members	Frank Bender, K8FB	k8fb@w7yrc.org
	Don Bauer, WB7TPH	wb7tph@w7yrc.org
	Dave Hanson, W7BJ	w7bj@w7yrc.org
	John Laing, K7PRS	k7prs@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](http://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](http://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 **EVERY MONDAY** of the 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. Visit us at <https://www.facebook.com/KM7CC>

President	Charlie Brown	NJ7V	nj7v@arrl.net
Vice President	Nick Bratcher		thetowerpeople@gmail.com
Senator	Victor Valderram		vica50911@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	480.345.7800
Treasurer	Karen McConaghy	NO7D	602.799.7338

**Board Members:**

Jean W4CIH	ADAW, Publicity
Steve WB4ZSC	Tech/IT, CARL/ASC Interface
Fred K9TOS	Logbook/QLS
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](mailto: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](http://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	lwloen@gmail.com
At-Large	Reinhard Geissler	K7RGG	d11uf@compuserve.com

CADXA, P.O. Box 24616, Tempe, AZ 85285-4646. Email: [cadxa@cox.net](mailto: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](http://www.cadxa.org).

### 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. (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>.



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



The *Arizona Desert Aire Waves* is published monthly and is the official news media of the sponsoring clubs. All news items, articles and inquiries should be submitted to each club's editor. Any information and opinions printed herein are those of the contributors and are not necessarily those of the sponsoring clubs. Full permission is granted to quote from this publication providing credit is given to the individual contributor and the ADAW. ALL RIGHTS RESERVED. **Deadline is 10th of the month**

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**ADAWWEBSITE** [www.adaw.org](http://www.adaw.org)

**ADAW**

## From The Editor's Desk

It's the Monday before Field Day as I write this. Hope everyone is getting ready to attend their club's Field Day effort. It's always a great time and a wonderful way to get away for a weekend of fun, good food, great company, and maybe even a little radio operating!

Rain finally fell in Arizona on Friday & Saturday, June 15 & 16. Hopefully, you got some much needed precipitation at your house. Here, we got nada - well, maybe just a few little drops, not even enough to make a wet spot. We keep hoping though.

The 2018 Prescott Hamfest is in the history books. It was a big success! Lots of tailgaters, meetings, seminars, a youth program, testing, the works. The guys (and gals) with the Yavapai Amateur Radio Club and the Eagle Amateur Radio Club at ERAU did a bang up job this year.

By the way, next year's Prescott Hamfest will be held on May 31 & June 1, 2019. Plenty of time to plan a trip to Prescott next year. Looking forward to it.

The Kachina Amateur Radio Club will present its 2018 White Mountain Hamfest on July 28 at Mountain Meadows Park on Woodland Road in Pinetop Lakeside. This is their second year at the park and it's a great location for a hamfest. There's plenty of room for expansion and overnight camping is permitted. The club is looking to grow this event and make it "the place to be" in July.

There has been some consternation over the address of the park though. The maps list it as on North Woodland Road, and the city lists it as South Woodland Road. Either way, mapping programs will lead you to the same place. As you are going south on (N ? / S ?) Woodland Road, the park will be just south of Settlers Lane on the East side of the street (your left, if you're going south on Woodland). For a detailed map, check the website at [www.kachinaarc.org](http://www.kachinaarc.org). Just click on the Hamfest link at top, then on the location map link toward the bottom of the page. Hope to see you there!

Also on July 28 & 29, 2018, the Hualapai Amateur Radio Club will hold its WB6RER Hamfest Swap Meet and Auto Show & Shine in Kingman. This is the first year for the event and it promises to be a good time. The hamfest is slated for both Saturday and Sunday from 8:00 AM until everyone leaves. The car show is Saturday only with cars arriving between 8:00 and 10:00 AM. Judging will be held from 11:00 - 1:00 and awards given out between 3:00 and 4:00 PM.

The event will be held in the Cerbat Lanes parking lot located on Stockton Hill Road. Food, drinks, restrooms, and bowling will be available inside Cerbat Lanes. Dry camping will also be permitted.

So you have your choice - Kingman or Pinetop Lakeside. It's a difficult choice. Hope you can make one of them.

73 til next month,  
Chris, N7PVL

**ADAW**



The launch of ANSR-118 took place on Saturday, June 2, 2018 at 9:30 AM from the Prescott Hamfest at Embry-Riddle Aeronautical University. We were able to launch from the hamfest in full view of those attending. Sometimes we are not able to fly from the area we have announced because of last-minute changes in the winds aloft, which may provide us with a flight into restricted airspace or a dangerous recovery.

We had help for the scouts with the launch portion of our flight. The balloon burst a little earlier than we anticipated at just over 70,000-feet. Rick Cofone, K2CRC, recovered the payload.

Steve Miller



Getting ready to launch

Our helpers for the day's flight



Continued Next Column

It's June 2018. Is there anything happening locally as far as amateur radio is concerned? There certainly is!!

Take a look at your last ADAW and you will get a clear picture of all the activity that is going on - and waiting for you to join in. Field Day, of course, is just around the corner. June 22 - 24 is Field Day weekend and I have my ARRL field day shirt ready to put on for the event. Hopefully you have yours ready too.

The Arizona Amateur Radio Club (AARC) will be taking part in Field Day activities in the Mingus Mountain area. Tentatively, sixteen members will be operating from various vehicles, tents, etc., and President Gary Hamman, K7GH, will pull the club's tower trailer to the event near the Methodist Camp. Expect a report on AARC's field day activities in next month's ADAW.

73,  
Lori Cripps, WA7EDI

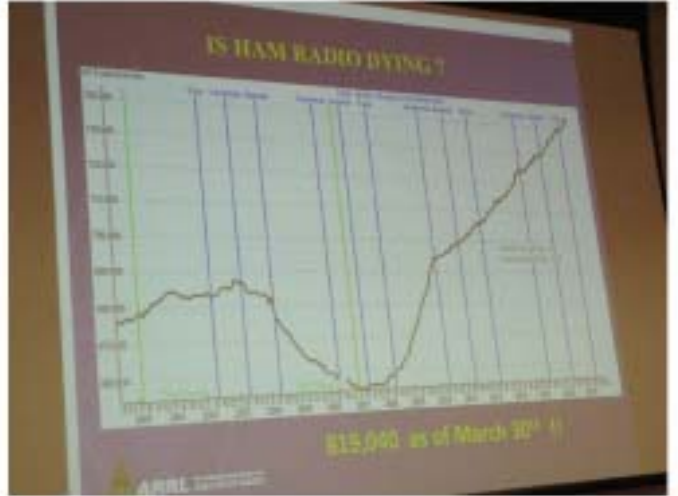


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*ANSR Continued from Previous Column*



The view from 70,000 feet.

# 2018 ARCA Annual Meeting



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*CARL Continued from Previous Column*

There is hardly ever a “regular” day at W7ASC. Visitors are varied in age, gender, education, interests, and even their residence location. Only a few visitors really understand Ham radio, so the challenge, for the Volunteer, is to fill in the gaps without seeming to lecture. Where does one start the conversation? One good starter is to ask about the visitors activities. The conversation should, after all, focus on what Ham radio might do for the visitor. Starting with the technology is usually a losing gambit. Why should a visitor care about antennas, modulation or frequencies? If, however, they are avid hikers or four-wheel off-road enthusiasts, communication from remote areas in the event of an emergency can be a useful capability. So we talk about that aspect of Ham radio. What can it do for the citizen, for the community? We look for resonance. Once that is achieved, we can move from the “Why” to the “How.” This is a natural progression, but it only happens if the volunteer listens for that connection. Most visitors are only mildly curious about what Hams do, but their interest increases once they see a connection to their lives.

Steve WB4ZSC reported an incident that demonstrates a fact that all volunteers have observed. A group entered the Gallery while he was on duty. While the youngsters were running and shouting, the chaperon, who was there to watch over them, came to the Shack and engaged Steve in conversation. She wanted to know what went on there. Steve started by explaining the Morse code exercise. That chaperon interrupted, expressing the view that her charges would never have an interest in such an odd activity. Steve, who knows better than to argue with a visitor, simply invited one of her charges to do the code. Every volunteer has noted the way that this works. Just like schools of fish, the youngsters tend to move in clusters. Once they see activity shaping up, they all must participate. Steve was soon surrounded by cherubs who were lined up, waiting their turn to do the code. The chaperon, who had decided that this would never work for her group, was not to be seen. Steve handed out a serious number of badges to that group.

Which transitions to a related subject. Are they “Badges” or “Stickers?” C.A.R.L. has been handing out these labels for many years. They are self-adhering bits of paper that have been printed with the words “I did my name in Morse code” plus “at W7ASC” in Dits and Dahs at the bottom. When a volunteer hands one of these labels to a visitor when has just

completed sending the code - and, BTW, we never touch the visitor. The words that go along with the presentation make all the difference. If the visitor hears “Here is a sticker,” the label almost always goes onto the code sheet, never to be seen again. If, on the other hand, the volunteer says “put this badge on your shirt, where others can see it and be jealous,” it goes, with rare exceptions, on the shirt in full view. It might even be shown at school as a “Show and Tell” theme! The intent, in creating that badge, is to use it as both a reward and a recruiting tool. When making the award, do not be silent and, of course, do not refer to it as a sticker.

There are, of course, more stories of happenings at W7ASC. Would you like to share in the experience as a volunteer? Get to wear a purple shirt and get free parking? Talk to people about how Ham radio has enriched your life. (It has, of course and, possibly even extended it.) Call the number below, make an appointment to visit the Shack to see it in person. If you know any Hams who are retiring, please tell them that they would really enjoy volunteering at W7ASC.

No doubt there will be more stories in the next issue about the W7ASC scene. As usual, comments or contributions are always welcome by this scribe.

DE W4CIH Jean

jeanjol@hotmail.com or 480-664-7353



ADAW

*Continued Next Column*



## What is C4FM

*Ray Vasquez K4RMV*

The introduction of C4FM / FDMA technology is the beginning of a new digital communication system in Amateur Radio world. The most attractive advantage of digital communication is the ability to transfer data.

The 12.5 kHz channel spacing using the C4FM FDMA digital modulation mode allows data communication with reliable voice communication leveraging strong error correction performance. C4FM FDMA offers a 9.6 kbps data transfer rate speed. It differs significantly from existing digital radio systems and expands the possibilities for interesting amateur radio activities in the future.

The C4FM / FDMA technology provides three digital operating modes in addition to analog mode (FM).

The “DN” mode transfers voice and data communication at the same time leveraging two 6.25 KHz time slots. With this mode, voice and data (with GPS position and the ID) to be sent in the same time. In addition, the strong error correction contributes to the stabilization of the digital communication. This mode is the basic mode of C4FM FDMA Digital HAM radio system.

The “Data” mode uses the full data rate capacity for the transmission of data. This mode allows you to transfer large amounts of data, text messages, pictures and voice notes, etc., at faster speeds as other modes.

The “VW” mode uses the full data rate for voice transmission. This mode allows a near natural digital voice transmission. Although no data is included, the voice quality is the same regardless of the distance.

Analog FM mode operates as wide (25 KHz) or narrow (12.5 KHz) bandwidths. This mode is much the same as the current FM modes used by other VHF / UHF amateur radio stations.

One of the best features is the Automatic Mode Select. With this feature, the radio detects the incoming mode and switches the receiver and transmitter to the mode of the incoming signal. This includes the repeaters and allows stations to use any of the digital or analog modes through the same repeater.

President Bob Sitterley, K7POF, reminds us that dues are due at the end of June. Members should submit \$20.00 to Bob Sitterley, K7POF, MMRG Treasurer, 171 Caliche Drive, Chino Valley, AZ 86323.

Articles from members for the informative MMRG newsletter which Bob publishes monthly are always welcome. Please feel free to send him your ideas.

—Lori Cripps, WA7EDI  
MMRG Secretary



## The 2018 MMRG Picnic



*The Sign In Crew - Ray N6MY, Bob K7POF, and Ingrid W7ISG*



*The Happy Prize Winners  
Roger, K7GXB and Ingrid, W7ISG*

# The 2018 MMRG Picnic



*The Cooks!*  
*Robbin & Ernie, K7IOG*



*The Food!*



*Ernie K7IOG was kept busy grilling up the brats!*



*The Line!*



*Sandy and Steve, W7WSV Tolnai*



*Dana, K7OBB and Reinhard, K7RGG*



*The Gang!*

*Photos by Reinhard Geissler, K7RGG*

## Hamfest Calendar

28-29 July 2018 - **Hualapai ARC AutoShow/Hamfest** - hosted by the Hualapai Amateur Radio club will be held in the Cerbat Lanes Parking Lot, 3631 Stockton Hill Road in Kingman. Hours are 8:00 AM til ?? For information, contact Bill Beaman at 928.718.1139.

28 July 2018 - **White Mountain Hamfest** - hosted by the Kachina Amateur Radio Club will be held at 1101 Woodland Road in Lakeside. Overnight camping may be available. VE testing at 9:00 a.m. Demonstrations, Hourly and Grand Prizes, Tailgaters, and Refreshments. Visit the web site at [www.kachinaarc.org](http://www.kachinaarc.org) and click on "Hamfest" or email [info@kachinaarc.org](mailto:info@kachinaarc.org) for more information.

29 September 2018 - **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. Seller setup starts at 6:00 AM. \$10 per space. Free Admission and Parking. Free VE Testing - GOTA Station - QSL Card Checking - Prizes. Coffee, Tea, and Donuts will be available. For Information & Map, visit <http://www.k7rst.org>

27 October 2018 - **Copafest 2018** - hosted by the Maricopa Amateur Radio Association will be held at the UltraStar Multitainment Center, 16000 N Maricopa Road in Maricopa. Hours are 7:00 AM until 1:00 PM. Admission is \$5.00. 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](mailto:fest@copafest.org) or visit the website at [www.copafest.org](http://www.copafest.org).

10 November 2018 - **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 Required - [djgrooms@yahoo.com](mailto:djgrooms@yahoo.com)) Overnight Camping (Full Hook-Up or Dry) Available (pre-registration required for camping at [www.escapees.com/parking/congress](http://www.escapees.com/parking/congress)) Tailgating permitted at campsite. VE Testing Available upon Request - Prizes

10 November 2018 - **Oro Valley Hamfest** - hosted by the Oro Valley 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). Students with AZ School ID are 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 more information, please visit the web site at [orovalleyarchamfest.com](http://orovalleyarchamfest.com) or send an email to [hamfest@tucsonhamradio.org](mailto:hamfest@tucsonhamradio.org) for more information

1 December 2018 - **Superstition SuperFest 2018** - hosted by the Supersition Amateur Radio Club will be held at Mesa Community College, 1833 W Southern Ave in Mesa. Hours are 8:00 AM - 4:00 PM. Admission is \$5.00/person (includes 1 door prize ticket) and children 12 and under free. Tailgate is \$10.00 for 2 spaces which includes 2 paid admissions tickets. VE Testing will be available. Registration is from 8:00 to 9:00 AM with testing beginning at 9:00 AM. ARRL Card Checking, Special Event Station, GOTA Station, Fox Hunt, Prizes, Live Music, Food Vendor, and Drinks will be available. Contact the Hamfest Chairman at [chairman@superstitionsuperfest.org](mailto:chairman@superstitionsuperfest.org) for more information.

January 2019 - **Thunderbird Hamfest** - hosted by the Thunderbird Amateur Radio Club. Location and Date to be determined. Visit the TBARC web site at [www.w7tbc.org](http://www.w7tbc.org) for up-to-date information

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. Watch for details. For up to date info, visit the website at [www.prescotthamfest.com](http://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. Overnight camping may be available. VE Testing, Demonstrations, Hourly and Grand Prizes, Tailgaters, and Refreshments. Further details to follow. Visit the web site at [www.kachinaarc.org](http://www.kachinaarc.org) and click on "Hamfest" or email [info@kachinaarc.org](mailto:info@kachinaarc.org) for up to date information.



ADAW



*TBARC Continued from Previous Column*

supposed to have a primitive area where generators would not be a problem. The downside with that one is that it's in Cottonwood and the elevation is only about 5000 feet. That might make it a little warmer than some of the other places Gary's been after. Get more details from 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 July, the ARRL AZ Section Manager, Rick Paquette W7RAP will come by to discuss ARRL activities and talk about what's going on with the League. This is your chance to get your ARRL questions answered and let your thoughts be known. See you there!

Andrew Cornwall KF7CCC  
kf7ccc@arrl.net

We're continuing work on our repeaters. Thanks to the tech committee and several volunteers, we are gradually restoring our capabilities. Gary Duffield was able to get the repeater that was on Deer Valley into his truck, and now it's in testing mode. We saw approval for link coordination, and I understand there's a little more paperwork to be done. We're hoping that things go live in July.



Gary in Action

By the time you read this, Field Day will be in progress. Best wishes and good luck in the contest! (I know, it's not a contest!) I anticipate that we will continue the friendly rivalry we've had with Post 599 - perhaps this year we'll pull ahead of them again. This is the sort of thing that keeps both clubs testing new things and learning new operating skills - and that's what Field Day is about. That and the food - which I expect will be amazing again this year!

Gary Cline AF7BJ is continuing with the search for cooler operating locations. He's told me that he's getting together with Dave Laird and will be checking out Dead Horse Ranch State Park sometime after Field Day. That campground is

*Continued Next Column*

ADAW



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# Old Pueblo Radio Club INTERMOD

## President's Column

We had over 40 members and guests in attendance at the June Meeting. Our speaker was Dave Jorgensen, WD5COV, from Deming, New Mexico. Dave gave a terrific talk on the March 2018 9M0W DXpedition to the Spratley Islands by a large international team. This was a lesson in how Murphy can strike even the best planned DXpeditions. Although the team made 23,460 contacts, they had hoped to do twice as many, but were unexpectedly delayed two days in arriving on the island and then had power issues at the resort where they set up their stations.

This past month saw the Magic Band, 6 meters, come alive on schedule with the annual Sporadic E activity at unprecedented levels due to the popularity of FT8. A number of club members made dozens of 6m QSOs with stations across the USA, Canada, and Mexico and a few of us were lucky enough to catch multi-hop openings to Europe and Asia. The most memorable activity occurred on the morning of June 7<sup>th</sup> when I logged CT1IUA, EA5BY, EA5ISZ, PA2M, CT1BXT, EA6VQ, ON4GG, and EA1YV between 1529Z and 1700Z. Other club members logged many more European stations during this time and nearly all of it was done on the FT8 digital mode.

We are eagerly awaiting the upcoming DXpedition to Baker Island in the Pacific by the Dateline DX Association using the callsign KH1/KH7Z. Two CADXA members will be on that team – Ned Stearns, AA7A, and Bud Semon, N7CW. We wish them a safe and smooth journey and hope to hear them on many bands and modes. This will be the first opportunity to see whether the new DXpedition version of FT8 (Fox/Hound) that Ned helped develop can run at rates greater than ever seen before on a digital mode. You need to be prepared by downloading WSJT-X version 1.9.1 or later and selecting “Hound” on the File/Settings page, Advanced tab.

We were recently informed that the ARRL Foundation awarded the 2018 CADXA \$1,000 College Scholarship to Lukas J. Severinghaus, KK6AXQ, of Flagstaff, Arizona. We want to extend our congratulations to Lukas and wish him success in his academic endeavors this next semester.

Next Meeting is July 5th at the PERA Club at 7:00 p.m.

The July Meeting will be held at 7:00 p.m. on Thursday night, June 7th, at the PERA Club. Our program will be “The

### No Report Received

<i>OPRC Repeaters</i>		
146.66 - PL 110.9	wide coverage	W7GV
146.82 - PL 110.9	wide coverage	W7GV
<i>RACES Repeaters</i>		
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




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### CADXA Continued from Previous Column

Andaman Island DXpedition to VU4G” presented via Skype by CADXA Honorary Member John Warburton, G4IRN. John has graciously agreed to interrupt his sleep in England to make this presentation. This was a remarkable DXpedition on many levels, but most significantly because of the fact that John ended up operating alone after the other three members of his team dropped out for various reasons. Come and hear his interesting story and the gamble he took that a license would be issued upon his arrival after a lengthy journey from England to India.

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



*Continued Next Column*



It's hard to believe that May is over and another Hamvention is in the books. With the 2nd event at Xenia, things keep improving. The traffic flows were better and even the weather seemed more cooperative. If you've never been to a Hamvention, I would highly recommend going at least once. The venue is much improved and you'll really enjoy the displays and seminars.

OVARC Field Day plans are in the final stage with the event now less than two weeks away. This year FD will debut at the QTH of W8TK which should make us a bit more "radio-active" to the northeastern part of the country. A potluck dinner is planned for Saturday evening and there will be lots of prizes and mementoes for operators and volunteers.

We continue to discuss our repeater network so that we can stay up with the latest technology. There's no question that digital modes collectively will supplant the existing analog installations. Linking digital sites will also become much easier. Our team of repeater designers is ready to deploy a dual mode, D-STAR/DMR, repeater to begin testing audio quality, operating compatibility with the two modes, range and some other features. After we optimize this configuration, we can consider co-locating it at one of our analog sites. Once the analog activity disappears, we can remove the analog equipment in favor of the digital installation. This is a long process to get it right so we'll take all of the necessary precautions so that we have robust digital system in place.

Once Field Day is over, we'll begin planning for our November hamfest. All of the early preparations are done. We'll be at the same place, the Marana Middle School, on November 10th. We're looking for seminar leaders and prize donors.

Good luck to all of the clubs with Field Day. This is a tremendous learning event so I hope you get involved and learn something; teach something too.

Happy 4th of July,  
Steve, W1SR



## *No Report Received*

### **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.**

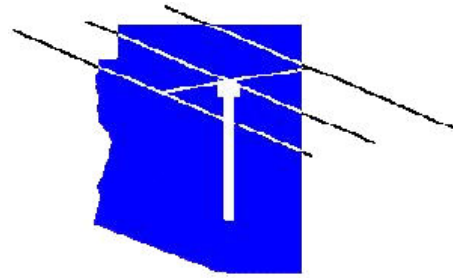
**For membership information, call Judy Jensen, KE7IXI at 480.773.8452. Please send address change requests to Judy no later than the 7th of the month in which you would like the change to occur.**





### 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



MARCA INC.

*No Report Received*

As of June 13, 2018, the ARCCC is now an official club! We've been operating as a loose association of members to assist the Phoenix Chapter of the Red Cross with their communication needs. However, after receiving some much needed funds, we had no way to use them because we didn't have a bank account. So after checking out a few financial institutions, we found we needed to formalize our group to function as a real club. Now we have officers and a charter. Check out our website to learn more.

The ARCCC participated in the NMCE (National Mass Care Exercise) during the 4th week of May. This drill was to simulate taking care of 300,000+ evacuees coming from a major disaster area. In our case here in Phoenix, we staged the drill out at Papago Military Park. The ARCCC manned the Mobile Command Van and passed numerous messages via radio to chapters around the state and to other agencies. Overall, it was a great learning experience and an opportunity to improve our capabilities for next time.

ARCCC members, Peter KD7OIW and Charlie N2TFS, helped out at the fires in New Mexico in early June. They were on their way to the Prescott Hamfest when they were asked to redirect to the fires. Our thanks and appreciation go out to them for their quick response and sacrifice. Not to rub it in guys, but the Prescott Hamfest was a great success and well attended.

We're looking forward to Field Day this year. The ARCCC, PSARG,0 and the AARC are once again teaming up to operate field day on Mingus Mountain in the cool pines. It's more of a social event for us than a contest, but we do plan on making as many contacts as we can, between our social get-togethers that is! We will also be running as a fully solar operation this year. It will be interesting to find out what we learn.

Just a caution . . . We're in the middle of wildfire season. As much as we care about helping fire victims throughout the region, we would rather the fires didn't happen in the first place. PLEASE check your chains and equipment when towing! A majority of the fires this year have been started by dragging equipment. So if you're taking a trailer to field day, help us out by insuring your chains are secured. We would rather be doing FD with our friends, than being deployed as Red Cross Volunteers to an easily preventable fire.

Don't forget about the PSARG net on Tuesdays at noon. Also, we are sharing the Tuesday night net with our friends

*Continued Next Column*



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



**ARCCC Continued from Previous Column**

over at the PSARG. We have the odd-numbered weeks and they operate on the even-numbered ones. Somewhat confusing, but the same folks usually check into both. So come join us - 7:30 PM Tuesdays on our VHF repeater. Both are available on Echolink as well. You can check out the net schedule on our website - [www.k7arc.org](http://www.k7arc.org).

Your Humble Scribe,  
Mark, N7KKQ





## License Testing Information

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

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

## July Test Sessions

- Jul 5th** - PV Ham Study Group -- 6:30 PM  
Trinity Lutheran Church, 3950 N Valorie Dr, Prescott Valley  
Contact - J M Scherfling 928.632.2050  
No Walk-Ins - Call to Pre-Register
- Jul 5th** - 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](mailto:veregistration@rstclub.org)
- Jul 7th** - Oro Valley ARC -- 10:30 AM  
Oro Valley Police Dept EOC, 1920 E Tangerine Rd, Oro Valley  
Contact - Quinton Gleason [licensing@tucsonhamradio.org](mailto:licensing@tucsonhamradio.org)
- Jul 7th** - DeVry ARC & WVARC -- 9:00 AM  
DeVry University Library, 2149 W Dunlap Ave, Phoenix  
Contact - David Morrill 623.680.5011
- Jul 9th** - Radio Society of Tucson -- 7:00 PM  
Hardesty Mid-Town Police Bldg, 1100 S Alvernon, Tucson  
Contact - Diane Zimmerman 520.664.5070
- Jul 16th** - East Valley VE Team -- 6:00 PM  
City of Mesa Utilities, 640 N Mesa Dr, Mesa  
Contact - Fred Bolinger 480.242.8606
- Jul 18th** - Thunderbird ARC -- 6:00 PM  
Honor Health Medical Office Bldg, 19841 N 27th Ave, Phoenix  
Contact - James Skinnell 602.826.1949
- Jul 21st** - Coconino ARC -- 9:00 AM  
North Country Healthcare, 2920 N 4th St, Ste A1, Flagstaff  
Contact - Roderick Martin 928.527.1139
- Jul 21st** - Hualapai ARC -- 10:00 AM  
Northern Arizona Fire District, 2470 E Butler Ave, Kingman  
Contact - Alyce Ingle 425.234.9173

Continued Next Column

## Public Service Calendar

### Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Barn Burner Mtn Bike Race	Kendrick Peak N of Flagstaff	09/08/18
Mogollon Monster 100	Pin & Mogollon Rim	09/15/18
Tour de Scottsdale	Scottsdale	10/07/18
Xterra Estrella Mtn Trail Run	Estrella Mountain Park	10/07/18
Javelina Jundred	Fountain Hills	10/27/18
Phoenix Half Marathon	Downtown Phoenix	11/04/18
Xterra San Tan Trail Run	San Tan Park	11/11/18
AuxComm Interest	TBD	11/30/18
Scottsdale Half Marathon	Scottsdale Civic Ctr	12/09/18
Xterra - White Tank	Waddell	01/06/19
Prickly Pedal	Cave Creek-Lake Pleasant	01/19/19
Pancake Run	Paradise Valley Mall	02/03/19
Xterra McDowell Mtn	Fountain Hills	02/03/19
Black Canyon 100K	Spring Valley to the Emery Henderson Trailhead	02/16/19
Xterra Black Canyon Trail Run	Black Canyon City	03/10/19
Mesquite Canyon	Waddell	03/16/19
Crown King Scramble	Lake Pleasant to Crown King	03/30/19
March of Dimes for Babies	Wessley-Bolin Park, Downtown Phoenix	04/13/19

To sign up for an MCECG Public Service Event: [www.mcecg.net](http://www.mcecg.net)

For information, contact Dennis Bietry - KE7EJF at 602.274.3732 - email, [ke7ejf@cox.net](mailto:ke7ejf@cox.net), or contact the Event Coordinator for the event.



### Test Sessions Continued from Previous Column

- Jul 21st** - Un-sponsored -- 10:00 AM  
Kingman Fire Station #1, 2470 E Butler Ave, Kingman  
Contact - Daniel Miller 928.897.3883
- Jul 21st** - 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](http://www.w7yrc.org)
- Jul 28th** - 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



*Superstition Continued from Previous Column*

### **Ham Club Online (Almost) Set to Replace Our Membership Form**

We are transitioning our membership database over to the HamClubOnline.com service. I just want to put a plug in here for the masterful work Douglas is doing; that's Club Treasurer Douglas Mitchell, W7ADD. If you are a member and cannot access the site's Forgotten Password with either your callsign or your email address, you need to shoot Douglas a note.

Check your email; if you get a note from HamClubOnline.com, you need to log in on the Forgotten Password page and reset. You will be issued a temporary password and you log in and create a new one. There is still work to be done to make sure all the wingnuts are snugged-up!

When you see Douglas at the meeting, be sure to give him a handshake, a thumbs-up and a pat on the back!

### **In Need of Your FCC Registration Number? Look on Your License**

Since most of us don't have a license paper copy, you can find your FRN by starting on QRZ.com. Look yourself up, follow Details tab, then click on the "View FCC Record" button.

Now, on the FCC site, select the Admin tab. Under "Automated Letters and Authorizations" heading on the blue bar, click the link to "Authorization — Licensee." This will open a reference copy of the license in PDF format upon which is the FCC Registration Number.

### **President's Corner by Steve, KB7KWK**

Hello everyone. I hope you are all having a great start to summer. Speaking of summer, as most of you know, we have Ham Radio Field Day coming up on June 23rd and 24th. The Forest Service has closed most of the forest lands up North and most of the areas are in stage 3 fire restrictions. This means that no one is allowed to have any type of open flame fire, including propane.

The club will be going up to the Lost Eden property this year. This is private property that we, as a club, have access to; however, we still have to obey all Forest Service restrictions. Even if the forest is closed, we can still go to the property.

We should still have lots of fun and it sounds like there will be a lot of club members attending. Remember to prepare for a weekend of camping where you can prepare food that does not require a fire.

We are continuing our theme in the club this year to gear all programs toward new hams. I have received a lot of good comments from new hams and club members about what we, the club, are doing this year. We had an antenna build at the last meeting and it was very well attended. We had 62 people at the meeting and a few people left with a working antenna.

### **Battery Technology the July Meeting Program**

Come visit us Tuesday, July 17 at 7:00 PM to hear and see the presentation by Andy Keels (KD4ABB) about batteries. Our Club meetings are held at the Charles K. Luster Building located at 640 N. Mesa Dr. in Mesa.

Visitors are Welcome. The program is geared to new hams and draws a good attendance.

### **Organ Stop Pizza hosts Superstition Radio Club July 21**

On Saturday, July 21, doors open at 11:45 AM to club members and their guests for a fun two hours of live organ music beginning 12 Noon. You will be sitting "inside" the pipe organ, which surrounds you!

The club uses this event to award recognition of significant advances in the club through the efforts of our members.

The \$8.25 cash-only admission, paid at the door, covers all you can eat (drinks not included). Doors open to Club members and their guests at 11:45 AM.

We need to provide Organ Stop with attendance figures by July 18, therefore, we request your RSVP via email, over Wednesday Club Nets or at the July 17 meeting. We need to know how many guests you are bringing. Thank you!

Organ Stop Pizza is located at 1149 E Southern Ave, Mesa AZ 85204 (SW Corner of Southern and Stapley Drive). Organ Stop opens to the public later in the afternoon.

### **May Meeting Prize Drawing Winner!**



In May's club meeting, we gave away a Diamond 2m/70cm (146/440 MHz) antenna and a roll of coaxial cable. Congratulations, Brian KI7SPF!

*Continued Next Column*

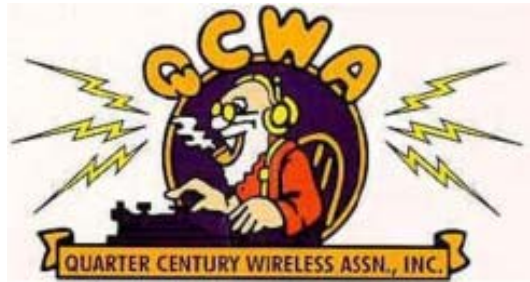
*Continued on Page 18*

*Superstition Continued from Page 17*

We have also changed the format of the Wednesday night club net. This is a good place to ask questions and learn. If anyone has any club program ideas, please let our program director, Andy KD4ABB, know what you have in mind. We are always looking for new ideas.

Also if you have something you would like to have put in the club Communicator, please let our editor, Dave K7AV, know or just send it off to him at [editor@superstitionarc.org](mailto:editor@superstitionarc.org). You can write just about anything. It does not have to be ham radio related. If you have photos to go with a story include those as well.

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



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

The QCWA will have a meeting in August, probably in Phoenix. The date and location will be published on the website [www.azqcwa.org](http://www.azqcwa.org) and the facebook page QCWA Arizona. This will be a general meeting where we plan for the future. Your contribution to the meeting will be appreciated.

John L Marshall, WA7BSR  
[wa7bsr@gmail.com](mailto:wa7bsr@gmail.com)  
[www.sound-photo.com](http://www.sound-photo.com)

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.



***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:** Mondays and 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](http://www.superstitionsuperfest.org) for the latest information.

***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](mailto:rahaworth@cox.net)*



The Maricopa Amateur Radio Association is preparing for Field Day, one week from the time I am writing this. For the first time, we will be holding the event indoors at the Maricopa Police Department EOC. To minimize the chance of any interference with EOC operations, we will be running one radio at a time at 100 watts. We are providing power to the rig with solar panels, which also charge two 180 amp-hour batteries to carry us through the night.

We have made several community announcements about the event including an article in our local newspaper and a video on our community website. Also, the mayor and each city council member have been sent a personal invitation to stop by and view the event.

Our club has always participated in Field Day, and we even have several hams from outside our club attending this year.

Once Field Day is over, we will focus our effort on Copafest, which will be happening in October. Each year our event gets a little bit better than the rest. This year our prizes are an All-Digital Bonanza including:

- First Prize: Icom IC-5100A Dual Band D-Star Mobile.
- Second Prize: Yaesu FRM-100R Fusion II Dual Band Mobile
- Third Prize: Anytone AT-D868UV DMR Dual Band HT.

Another first this year is the ability to buy raffle tickets in advance, online, at our website [copahams.org](http://copahams.org).



We certainly hope that you didn't miss the Prescott Hamfest 2018. This was our third year at the Embry Riddle University venue and the "fest" continues to grow and get better and better. Most reports were very positive, even though we suffered a few hiccups. Primarily, there is much construction going on on the campus which necessitated using classrooms all over the university, including the brand-new STEM building. Wow, what a beautiful facility.

Some grumbling was heard about the turnout for the tailgating on Friday. Those who stayed for both days found that the influx on Saturday, both vendors and buyers, was outstanding. Seminars both days were well received, and the commercial vendors inside the Student Union saw brisk activity.



The official logo of the Prescott Hamfest is reproduced above. Look for it for years to come.

Finally, a huge thank you must go to Frank K8FB and the planning committee for a job very well done.

Amateur licensing continues to be a big part of YARC's service to the community. An all-day refresher class was part of the Friday events at the hamfest followed by testing in the evening. Fourteen people tested, including five who took the opportunity to upgrade. Our next test session will be Saturday, July 21. So if you missed out on the opportunity to get licensed or upgrade, you have another chance in just a few weeks.

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 in the Freeman Building in the Prescott Rodeo Grounds, 840 Rodeo Drive, Prescott, AZ 86305. Meetings start at 7:00 PM.



## For Sale / Wanted



**LOOK!  
Great Deals!**

### For Sale -

**Kenwood TS590s with Power Supply - \$800**

**Yaesu G450A controller and rotator - \$375**

20-foot Rohn tower

Coax and many extras

**Cushcraft A4S Tri-band beam - \$350**

(20m, 15m, and 10m)

6 meter vertical antenna

Located in Glendale. You must take down tower. All equipment in excellent condition. Will sell entire package for \$1400 or prices listed above. Contact Terry Liesegang, W7TRL at [liesegangt@yahoo.com](mailto:liesegangt@yahoo.com)

**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](mailto: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](mailto:kjenkins5623@gmail.com) or Bob Kettler WA6MIO at [rdkettler@msn.com](mailto:rdkettler@msn.com).

**ADAW**



*No Report Received*

**ADAW**



*No Report Received*

**ADAW**



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**SHORT SKIP**

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### TM-D710G | 2M/440 Dualband

- V-VV-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

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### 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

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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



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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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### TH-D72A | 2M/440 HT w/extended RX

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TS-2000

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TS-2000X

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

- 100W HF, 6M, 2M • 50W 70CM • TS-2000X 10W 1.2GHz • Built-in TNC, DX packet cluster • IF Stage DSP • Backlit front key panel

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### TM-281A | 2 Mtr Mobile

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### 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

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### TH-K20A | 2M Handheld

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