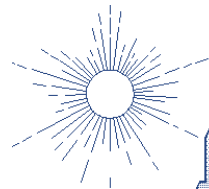


**ADAW**

4529 W. Park Place  
Glendale, AZ 85306-1512



**ADAW**

**Arizona Desert Aire Waves**

Vol 41, No 4

April 2016

**CLUB MEETINGS SCHEDULE**

**SARC**

Apr 6th  
Scottsdale Senior Center  
7:00 PM

**AARC**

Apr 14th  
Red Cross Bldg. - Phx  
7:30 PM

**OPRC**

Apr 13th  
Marshall Conference Ctr  
at Tucson Medical Ctr  
7:15 PM

**TBARC**

Apr 21st  
North Phoenix Campus  
Northern Arizona University  
7:00 PM

**CARL**

TBA  
AZ Science Center  
TBA

**ARDG**

Every Wednesday  
Phoenix Country Day School  
11:10 AM

**CLUB MEETINGS SCHEDULE**

**QCWA**

June  
TBD  
Prescott  
11:00 AM

**WVARC**

Apr 4th  
St Clement Catholic Church  
Social Hall  
7:00 PM

**SuperstitionARC**

Apr 19th  
Charles K Luster Bldg  
7:00 PM

**ARA**

Apr 28th  
Denny's Restaurant - Tempe  
7:30 PM

**MARCA**

Apr 19th  
Denny's Restaurant - Tempe  
6:30 PM

**MARA**

Apr 30th  
Barrow's Pizza - Maricopa  
9:00 AM

**ANSR**

Apr 18th  
7:30 PM  
via Skype

**YARC**

Apr 7th  
Mile High Middle School  
7:00 PM

**OVARC**

Apr 15th  
Ascension Lutheran Church  
7:00 PM

# ADAW Member Clubs

## ARIZONA AMATEUR RADIO CLUB

The Arizona Amateur Radio Club meets on the **SECOND THURSDAY** of each month at 7:30 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	Joe Cutitta	W0SL	623.215.2226
Secretary	Mike Zachary	KG7OSR	
Treasurer	Bob Hodges	K7JIT	602.375.9982
Activities Mgr	Lori Cripps	WA7EDI	
Membership	Bob Hodges	K7JIT	602.375.9982

AARC c/o Bob Hodges, K7JIT, 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	Bob Johnsen	K7TR	480.946.1427
Secretary	Ed Nickerson	WU7S	480.949.5162
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	
	David Yee	N7AJR	
	Paul Jorgensen	KE7HR	
	Kelley Law	KF7ZVL	

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)

## AMATEUR RADIO DEVELOPMENT GROUP

The Amateur Radio Development Group meets **EVERY WEDNESDAY** at 11:10 a.m. on the Phoenix Country Day School campus located at 3901 E Stanford Dr., Paradise Valley.

President	Benjamin Lee	K7JS	602.614.0850
Vice President	Will Weiss	KG7FFV	480.789.932
Secretary	Nathan DeRueda	KG7GLB	480.582.8575
Treasurer	Sahil Rawal	KG7GJC	623.606.0258
Chief, Emergency Communications	Sarah Dailey	KG7GJI	480.286.3026
Chief, Research and Development	Sage Druch	KG7EQB	602.256.7997

Currently no dues. Mailing address: c/o Sahil Rawal, 3901 E Stanford Dr, Paradise Valley, AZ 85253.

## 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	Jim Moore	WB7ENX	
	Rick Tejera	K7TEJ	
	Joe Arnold	AD0X	
	Andrew Cornwall	KF7CCC	
Past President	Walt Reinert	N7GDP	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](mailto: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 each month (except June, July and August) 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:	Bill Price	N7GUO	
	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.

## 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 Skype. Please contact an officer about joining our meetings.

President	Stephen Thomas	KE7TLS	iamgadget1@yahoo.com
Vice President	Vince Jenkins	KC7IUI	vince.jenkins@meggitt.com
Secretary	Kim Jenkins		vince.jenkins@meggitt.com
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)



## 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	Ray Tyrrell, N6MY	928.227.0349
Sec/Treasurer	Open	
Webmaster	John Marshall, WA7BSR	623.334.2583

Web Site: <http://azqcwa.org> Email: [w7bj@outlook.com](mailto:w7bj@outlook.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	Raymond Tyrrell, N6MY	n6my@gmail.com
Treasurer	David Hanson, W7BJ	602.615.3444
Secretary	Lori Cripps, WA7EDI	602.955.7517

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

### 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	Jeff Harris	KD2DFE
Treasurer	Douglas Mitchell	W7ADD
Board Members:	Brian Betz	W7JET
	Dale Schmidt	N7QJK
	Dan DeVlieger	KC7MSU
	J.D. Smaylis	KF7VOX
	Andy Keels	KD4ABB
	Charlie Brown	NJ7V
	Steve Gurley	KY7W

SuperstitionARC, P.O. Box 21522, Mesa, AZ 85277-1522. Web Site: [SuperstitionARC.org](http://SuperstitionARC.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).

### 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 second Monday of the month at Boswell Medical Center, Ironwood Room 2, Sun City. 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 Haveron, KA7UND	jhaveronsr@cox.net
Vice President	Thomas Fike, KG7FXT	fike@me.com
Secretary	Verdamae Cutitta KF7UJB	623.872.3844
Treasurer	John Siepmann N9NA	623.544.5295
Membership	Tom Connor W7TLC	w7tlc@arrl.net
Club Directors:	Bob Paul KG7FIL	623.252.0149
	Bob Fike W7AIE	602.999.6458
	Joe Cutitta W0SLI	623.215.2226
	Roger Thacker KD0MD	623.974.1516

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>.

### MARICOPA AMATEUR RADIO ASSOCIATION

The Maricopa Amateur Radio Association (MARA) meets the **LAST 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	Ford Willman	N5FW	520.568.6357
Vice President	Joshua Babb	W3JB	801.358.1078
Secretary	Bob Beltz	KU4ZG	770.680.1204
Treasurer	Steven Ruggles	KG7GYM	520.568.2023
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](http://www.copahams.org). Mailing address: P O Box 3025, Arizona City AZ 85123



## 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 1343 Broadway in Tempe (SE corner of Broadway & Priest). 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	Paul Boyce	KJ7KY	
Vice President	Dave Hall	N7ZPY	
Secretary	Norm Johnson	AA7OO	480.278.2886
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, 1343 W. Broadway, Tempe, AZ, on the southeast corner of Priest and Broadway. 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	Virgil Silhanek, K7VZ	k7vz@w7ara.net
Vice-President	Brian McCarthy, N7TUQ	n7tuq@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, WB7TUI	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](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	Frank Bender, K8FB	president@w7yrc.org
Vice-President	John Stevens, N9JYO	vice_president@w7yrc.org
Secretary	Kathy Laing, KJ6KMK	secretary@w7yrc.org
Treasurer	David Hanson, W7BJ	treasurer@w7yrc.org
Past President	Don Bauer, WB7TPH	wb7tph@w7yrc.org
Board Members	Bill Noe, W7PVA	w7pva@w7yrc.org
	Chuck Zappala, KE7SA	ke7sa@w7yrc.org
	Randy Dashiell, W6TYV	w6tyv@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	Bob Molczan, KA7VPR	president@tucsonhamradio.org
Vice-President	Steve Wood, W1SR	vicepresident@tucsonhamradio.org
Secretary	Carl Foster, KB7AZ	secretary@tucsonhamradio.org
Treasurer	Hanna Eckert, KG7TPD	treasurer@tucsonhamradio.org
Board Members	Scott Boone, K7ADX	
	Lanny Voight, KF7LV	
	Ross Eckert, K4WBR	
	Fred Bresani, W2HZ	
	Bob Stephens, AF9W	

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/>.

**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 ADAAW. ALL RIGHTS RESERVED. **Deadline is 10th of the month**

## ADAW Member Clubs

## FROM THE EDITOR'S DESK

### 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	Bob Burleson	KG7QJ	480.961.1109
Vice President	Jim Felkey	N7BBS	480.966.7084
Secretary	Josh Montano	WX7JM	602.570.6528
Treasurer	Karen McConaghy	NO7D	602.799.7338
Board Members:			
Jean W4CIH	ADAW, Publicity		
Steve WB4ZSC	Tech/IT, CARL/ASC interface		
Fred K9TOS	Logbook/QSLs		
Mike KG7OSR	Scheduling/Membership		

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

For information: Email to [carl@w7asc.org](mailto:carl@w7asc.org) or call Bob Burleson, KG7QJ at 480.961.1109. Web Site: <http://www.w7asc.org>

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### ADAW WEB SITE

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

Another month has gone by (it sure goes fast, doesn't it), and we have a new club! Please join me in welcoming the Oro Valley Amateur Radio Club to the ADAW "family." OVARC is an active club involved in public service. They organize several activities throughout the year including a weekly club breakfast, Field Day activities, and a November hamfest. In addition, OVARC operates and maintains several repeaters in their area. For details on all their activities, check their web site at [www.tucsonhamradio.org](http://www.tucsonhamradio.org).

If you didn't get a chance to attend the 2016 ARRL Southwestern Division Convention/Yuma Hamfest, Lori Cripps, WA7EDI has written a report on the event - complete with pictures. It's located on page 21. It's not the same as being there, but you'll get an idea of what you missed.

Did you make it to the Scottsdale SpringFest? It was held at the Scottsdale Bible Church again this year - the same place it's been for the last several years. The event featured covered swap spaces, refreshments delivered right to your table, plenty of vendors and attendees, card checking, VE testing, even seminars this year. There were prizes, of course, and your admission fee got you a free ticket for the raffle. The weather was perfect - the company was great. It was a wonderful event. Mark your calendars for next year and plan to attend. You won't be sorry.

Since I'm writing this before the event, I can't tell you much on the March 26 Radio Society of Tucson's hamfest. They have a new location this year in the north parking lot of the Target Store on Spanish Trail in Tucson. If you are going to the event (or went if ADAW reaches you after it), let us know how it was.

April 9 is the annual AARC/ARCA April Hamfest at DeVry. The crew will provide coffee, soda and donuts for your enjoyment. There will be VE testing in the school library, door prizes, raffle prizes, card checking, tailgaters, commercial vendors and more. Plan to attend. It's always a good one.

If you know a young person between the ages of 12 and 18 who is interested in Ham Radio, encourage them check out Explorer Post 599. Both male and female are permitted to join and participate. The post is an active group with the emphasis on Amateur Radio and other activities. They are actively seeking new members as their numbers have dropped below the minimum required. Contact Steve Kafka (email: [steve.w7sgk@gmail.com](mailto:steve.w7sgk@gmail.com)) or Tom Sharp, WA9OXY (email: [wa9oxy@arrrl.net](mailto:wa9oxy@arrrl.net)) for more information.

The Arizona QSO party will take place on October 8 and 9 this year. Visit their web site at <http://www.azqsoparty.org> or contact Gary Keck, KE7DX at [ke7dx@marketemporium.com](mailto:ke7dx@marketemporium.com) for information on this year's event. It's a great way to "get on the air" and have some fun.

Enjoy our wonderful "Chamber of Commerce" weather!

73 'til next month, Chris, N7PVL

**ADAW**



## Got Connections?

As a guest editor for this month's C.A.R.L. news, I have been asked to chronicle our recent participation in ARRL's 2016 National Parks on the Air (NPOTA) initiative. I will attempt to stay on track, but, be forewarned – there is more to this story than the event itself.

QST recently published my story of the twenty-year partnership of C.A.R.L. and Arizona Science Center. At the end of the article was the obligatory contact information for the author and, with that door open, I was contacted by Clark Johnson, K7LRK, of Lopez Island, WA. He was scheduled to activate Casa Grande Ruins National Monument as part of NPOTA and suspected he might need a little help. Forty third-graders had been invited to attend as part of a planned field trip to the Ruins. By Clark's own admission, he had no idea what a group of forty third-graders would be like.

The ham volunteers at Harkins Ham Shack not only know how to work with forty kids – they know how to survive a hundred kids on most days, and even more on some days. At first, I begged off, as the event was scheduled for a Wednesday, which is my standing day to work at Arizona Science Center. I offered to pass the invitation to others, but, then wheels started turning and ideas developing. I could do this. The opportunity was too good to pass up. It could be an outreach activity for C.A.R.L. and Arizona Science Center, to assist Clark, ARRL, and the National Park System in the centennial celebration.

I had no problem putting together a team of "purple shirts." Jim, N7BBS, and Tom, AD7PM, would join me at the Ruins. Mike, KG7OSR, Steve, KE7OPZ, and Jerry, K2PFW, volunteered to man the W7ASC shack in support of guest operator QSOs between the Ruins and Arizona Science Center.

During the planning stages, Bob, KF5HVN – a snowbird, sheltering in Eloy – contacted me to see if he could participate as an observer. He had learned of the NPOTA event and C.A.R.L. on social media and contacted Bob KG7QJ, who then contacted me. KF5HVN became our advance-man, repeater paths a week before the event. On activation day, he provided a display of amateur radio study and licensing information.

But, the real story began when the kids completed their tour

### *CARL Continued from Previous Column*

of the Ruins and descended upon our strange environment, set up in the outdoor-kitchen, just off the Ruins' parking lot.

After a brief history lesson on Morse code, the kids spread out at three tables where they each completed an activity we call "I sent my name in Morse code." Properly "certified" and "stickered" as fledging telegraphers – with a Morse code homework assignment in their hands – they gathered at the HF and VHF/UHF stations to earn their commemorative Guest Operator Certificates. By noon, we issued 20 Guest Operator Certificates for HF and 37 for VHF/UHF. Following their on-air experiences, they visited the information tables, picking up ARRL and Arizona Science Center brochures, learning about the DIY side of amateur radio, watching a slide show of notable ham biographies, and returning frequently to the code keys and live radio activities.

By this time, Clark could no longer say he did not know what forty kids in a group would be like. Pure energy and a thirst for learning by doing.

At midday, the kids moved to another ramada for lunch and the NPOTA team paused to reflect on the day's activities. Lots of questions had been asked and answered. Visiting hams had shared their stories and seeds had been planted for follow-up activities within their circles of fellow hams.

As the bands had not been very productive for us earlier, it was also time to return to the airwaves to get the additional contacts needed for activation. Clark began calling CQ on his KX3, running 10 watts to a dual-band dipole, up about 20 feet at the center. After a couple of welcomed contacts, we began to hear that our NPOTA activity was showing up on spotting sites. Suddenly, we were on the receiving end of a pileup. With Clark at the microphone and two additional sets of ears straining to pull call signs from incoming signals, we worked 56 QSOs – 22 states, 3 Canadian provinces – in about an hour. Activation accomplished!

The success of this event was due to the dedication, interest, and ability to cooperate exhibited by amateur radio operators. Alone, each of us is just an amateur radio operator. Together, we are a living communication network that survives, literally, by word-of-mouth. On this particular day, 8 hams, 2 XYLs, and 1 Park Ranger came together in the Arizona dessert to pass the spirit of amateur radio to 40 kids – most of who had only recently heard of amateur radio – from their teachers, as preparation for their field trip.

So... How close are you to America's next amateur radio operator? Sixty miles down the road... Or, next door?

Get on the radio, recall what it has meant to you, and pass it on! W7ASC is open for connections.

73 de WB4ZSC HPE CU SN IN PURPLE SHIRTS.

*Continued Next Column*

**ADAW**

# National Parks On The Air

## TBARC at Casa Grande Ruins



NPOTA at Casa Grande Ruins



On the Practice Key



Guest Operator Activity



Exploring the Exhibit Tables



The March meeting of the Arizona Amateur Radio Club was primarily a planning session for the annual April AARC/ARCA hamfest which is held at DeVry University. This year the hamfest will be held on April 9 from 6 AM to 11 AM. It was fortunate that the planning session found members generous with their time and efforts for both the pre-hamfest setup and the hamfest itself since AARC president Gary Hamman is suffering from a broken ankle accident which happened just a few days before the meeting.

The hamfest is on! I hope to see you there and expect to sell you some coffee and doughnuts as I have in past years. It's time to make that list of much-wanted electronics. You are bound to find what you need at this hamfest.

Also at the March AARC meeting, we heard more about Ingrid and Reinhard Geissler's (W7ISG and K7RGG) activations of National Parks and the very positive reactions of the park rangers. They recently operated from Casa Grande National Monument. They have promised to send an article for next month's edition of ADAW.

73,  
Lori Cripps, WA7EDI



## For Sale

Partly Restored Vintage Tube-type Transmitter: 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. \$585.00 for package. Contact: Ray, W7GNE @ 480-540-4629.

The West Valley Amateur Radio Club has radios and ALL kinds of supplies available for sale through the club. Request a listing from Ted by sending an email to [kb5of@cox.net](mailto:kb5of@cox.net). We get some old equipment that won't sell that will be added to the items for free. Contact: Ted Walker, KB5OF at [kb5of@cox.net](mailto:kb5of@cox.net).

## Public Service Calendar

### Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Crown King Scramble	Bradshaw Mountins	04/02/16
El Tour de Mesa	Mesa/Scottsdale	04/02/16
March of Dimes March for Babies	Wesley-Bolin Plaza, Downtown Phoenix	04/09/16
Pat's Run	Sun Devel Stadium, Tempe	04/23/16
Zane Grey 50 Highline Trail Run	Payson Area	04/23/16
Barnburner Mtn Bike Race	Kendrick Peak	09/10/16
Fiesta Bowl Half Marathon	Scottsdale Civic Center	12/11/16
Prickly Pedal	White Tanks - Lake Pleasant - Spur Cross TBD	01/21-22/17
Runner's Den Pancake Run	EPhoenix Paradise Valley Mall	02/05/17

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.

### Yavapai Amateur Radio Club Events

EVENT	LOCATION	DATE
Whiskey Trail	Prescott Loop Trails	04/16/16
Whiskey Off-Road Mtn Bike Event	Prescott	04/29-05/01/16
Chino Grinder	Chino Valley	05/07/16
Whiskey Row Marathon	Prescott	05/14/16
Mountain Mayhem	Prescott - Tentative Date	05/21/16

To Sign Up for a Yavapai ARC Public Service Event, visit YARC website at [www.w7rc.org](http://www.w7rc.org), click on ARES/RACES, click on Calendar, and fill out application for the event you want. Contact Patti, KD7VBG at meetings for more information.







*TBARC Continued from Previous Column*

Are you looking for a radio license exam session in the North Valley? The Thunderbird Amateur Radio Club has established a regular ham license exam session. Our VE liaison, Jim K7EOG has secured a semipermanent home, and we have a session on the third Wednesday of every month at 6:00 p.m.. It's at the Honor Health Medical Office Building, 19841 N 27th Ave in Phoenix. Because of limited seating, sign ups are necessary—send email to [ve@w7tbc.org](mailto:ve@w7tbc.org) for details. (And if you are a TBARC VE who's got that night free, let Jim know if you'd like to help—same address, [ve@w7tbc.org](mailto:ve@w7tbc.org).)

Have you been to a TBARC meeting yet? Why not stop by? We'd love to see you there, 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](http://w7tbc.org) for directions. In April, the program is Internet Remote SDR with Dan Babcock N4XWE / Scotty Cowling WA2DFI. Do you want to listen to your radio from another city? Find out how!

Andrew Cornwall, KF7CCC  
[kf7ccc@arrl.net](mailto:kf7ccc@arrl.net)

The big event of the recent past is the new antenna on White Tanks. The club voted for it in winter of last year, and an intrepid group of TBARC regulars took the trip out to the repeater site (up and back down the 40% grade) to unmount the old beam and install the new four-bay antenna. It's looking (and sounding) great! Thanks to everyone who made the trek, and thanks to Chris K6OZY and Gary WK7B for the picture!



You can hear the upgraded White Tanks repeater pretty much throughout the Valley on 446.150 MHz. Use a -5 MHz offset and 100 Hz CTCSS tone to get in. If you can't hit that, try an alternate repeater: we've got 2m repeaters near North Mountain (146.700, -600kHz offset, 162.2 Hz tone) and Deer Valley (147.040, +600 kHz offset, 162.2 Hz tone). Feel free to join us for the weekly roundtable net at 7:30 p.m. local time on Tuesdays.

*Continued Next Column*



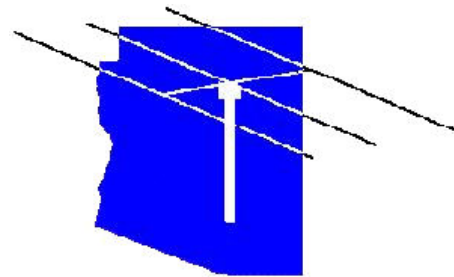
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MARCA INC.

In Maricopa, our ham club meetings are not always about ham radio. Our February meeting was our second annual Bullets and Brats event. No, we didn't take the kids out to the range for target practice. It's more about doing a barbecue along with some informal target shooting. Jerry, K0FC, is the event's organizer.

In previous years, everyone just got together and shot at whatever looked like a worthwhile target. Everyone shot until they grew tired of it or ran out of ammo. It was fun, but lacked the structure required to appease armed amateur radio operators.

This year, permission to use the range that the VFW shoots at was obtained. Jerry brought along four steel 10-inch targets and configured them to mount at a 45-degree angle. Carl, N7LTC helped build the target stands. Nobody planned on the 9MM rounds tearing apart the target stands, but they did manage to last throughout the event. I am told that a much stronger version is in development and almost ready for testing – we will see how those hold up.

The idea was to set the targets, each numbered one through four, and hit them in that order. They were spaced far enough apart to require a lot of left and right swinging to acquire the next target. We are hams, so software was developed to record the shooting time for each shooter, calculate the best average, and display the standings.

Each of the fifteen shooters had to shoot the range three times. The average was entered on the laptop mostly by our software developer, Bob, N6YPE.

After the shooting was done, everyone went back to the other end of the range and enjoyed some hot dogs (brats), soda pop, and chips. Five bucks each covered the cost of the food. Chris, W7CGC, had a grill on site and did the cooking.

Of course, there were a ton of excuses from everyone as to why they didn't shoot so well. Shoulder surgery. I forgot my glasses. I haven't sighted this gun yet. Nevertheless, it was a great social event and many thanks to Jerry for organizing it. Oh, I wasn't there – I promised the XYL that I would trim trees that day. For that reason, I can't say who all was in attendance – just what Jerry related to me. However, listening to the traffic on our repeater, I have heard absolutely no complaints.

By Steve Miller, W6SDM



The Yuma ARRL Southwest Division Conference and Hamfest was 19-20th February. Norm Johnson, AA7OO, setup a working QRP SDR station demonstrating WSPR, WSJT-65 and WSJT-9. This was followed by a session on Setting Up Windows using PowerSDR, WSJT-X, and a Direct Conversion SDR for WSPR Operations. The presentation can be viewed or downloaded from [http://www.w7mot.org/phocadownload/presentations/PC\\_Setup\\_for\\_WSPR\\_and\\_SDR.pdf](http://www.w7mot.org/phocadownload/presentations/PC_Setup_for_WSPR_and_SDR.pdf)

As of March 15th, all MARCA repeaters are operational. See <http://www.w7mot.org/index.php/repeaters/repeater-map>. If you experience a problem with any of MARCA's W7MOT repeater, please let us know by using a simple quick report at <http://www.w7mot.org/index.php/repeaters/report-a-repeater-problem>.

W7MOT-37, 147.940 MHz, Fusion working both digital & analog is still live at our test site a few miles from its planned permanent location. (Listed on MARCA website Repeater Map under Scottsdale GD). Things have gone slower than planned due to technical issues that had to be worked through for remote control operator issues. All is now working. Coordination is now underway to move the repeater from the test site to General Dynamics Scottsdale at Hayden & McDowell.

SDR radio has captured the interests of our members. Presentations can be downloaded from our website Library. There are many types of SDR action at different price points. SDRs come in many flavors, IF with IQ, Direct Conversion with or without I/Q, and all with different Bandwidth and Sampling Rates. They come in Kits or Over the Counter Ready to Use radios. They all have pros and cons, the one thing they have in common is they don't work like a tube or transistor radio. New rules and new vocabulary. This issue, there hasn't been much written up, just a lot of playing.

MARCA has several APRS digi-peaters on several mountain tops across central Arizona, W7MOT-8 on Mt. Elden, W7MOT-10 & 11 on Mt Ord, and W7MOT-3 & 4 on White Tanks. The W7MOT A, B, & C D-Star repeaters on White Tanks also does APRS. Why mention APRS? APRS is still alive and well. It's not fancy like Fusion, Moto-Turbo, or D-Star, but is just as complex in the features it embraces and application from Public Service to Ballooning to Voice Repeater Coordination.

Norm Johnson, aa7oo - Secretary MARCA



*Continued from Previous Column*

### **Club Picnic in April**

At the time of this writing, there is no information available to pass along about the club picnic. We will know more after the March 15th club meeting. In past years, this picnic was held at Red Mountain Park on a Saturday in April.

### **Daylight Savings Time Began March 15 for Most of the USA**

The Navajo Nation exists in the Four Corners area in Arizona, New Mexico, and Utah, and observes MDT in its Arizona portion. The rest of Arizona continues to observe MST (UTC -0700), which places us three hours behind Eastern Time along with California.

Hawaii and Puerto Rico, along with American Samoa, Guam and the Virgin Islands observe local Standard Time. (Source: <http://www.timeanddate.com/time/us/arizona-no-dst.html>)

By Larry Kuck, WB7C

### **Club Meeting Site Takes on a New Name**

As I reported in the March issue of the Superstition Club's Communicator membership newsletter, the City of Mesa has changed the name of our meeting place to that of its longtime, now-retired, City Manager. I found an online item by KPHO/KTVK television news that reported on a vote last December to rename the Mesa Utilities Building at 640 N Mesa Drive to the "Charles K Luster Building."

The report went on to state that Mr. Luster, now 90, had served for 21 years from 1979 until his retirement in 2000.

A brand-new spiffy white sign now sports the new name out at the parking lot entrance.

### **Amateur Radio Newslines on 147.120/449.600/KB7KWK-L**

Amateur Radio Newslines can be heard on the Usery Pass 147.120 and Stone Castle 449.600 repeaters in Northeast Mesa at the end of the Wednesday Night Net of the Superstition Club. It can be heard also on KB7KWK-L, which is linked full-time to the repeater. Additionally, it is played Thursday mornings at the close of the DriveTime trivia net at approximately 8:00 A.M.

The Amateur Radio Newslines reports can be found online at [www.arnewslines.org](http://www.arnewslines.org).

### **Wednesday Night 8:00 P.M. Club Net Streamlined**

In order to get sooner access to the Elmer question-and-answer portion of the net, the Officer Roll Call on the "business" portion of the net has been replaced with a check-in call for club Officers with business information.

The Elmer portion is the place to ask questions or seek technical answers. Your questions may be posed in the General call for check-ins. You do not need to wait to ask.

### **Saturday Night Morse Code Class On-Air, 7:00 P.M.**

This class has been running since the 23rd of January over KB7KWK-L and the linked repeaters of the club. Attendance has been sparse and irregular, so if you need a brushup on your code, we can serve you up some high-speed Morse relative to the speed you are now at. Or if you're brand new, I will give you the starting process.

This class is held in your home via radio. Set an hour aside Saturday nights and we can fix you up.



#### ***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 and Carries all Nets (except 10-Meters)

#### ***Club Nets***

**Morning Drive Time Net:** Mon-Fri, 7:00-8:00 AM - Trivia

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

**East Valley Swap Net:** Thursdays, 7:30 PM

**National History Net:** Thursdays at 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. Send email to: [membership@SuperstitionARC.org](mailto:membership@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.

*Continued Next Column*



*ANSR Continued from Previous Column*

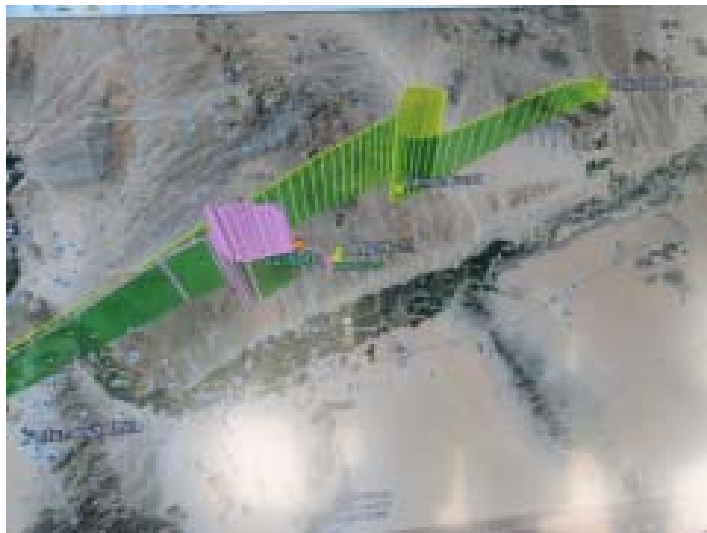
Arizona Near Space Research (ANSR) will be launching and tracking two balloons from Maricopa for the Arizona Space Grant Consortium's ASCEND program, on April 2nd. Ten different colleges/universities in the state have students building experiments that will fly on these balloons. If you are interested in joining us, please contact an ANSR member. More information is available on our website, [www.ANSR.org](http://www.ANSR.org).

A successful launch was observed by many at the Yuma Hamfest on Saturday, February 20th. The balloon ascended to over 99,000 feet with observers on the ground able to see live video from two different cameras and watch tracking of the balloon on [www.aprs.fi](http://www.aprs.fi). Unfortunately, as the balloon burst, fragments of the balloon wrapped around the parachute and it was unable to slow the descent. The payloads crashed into the Yuma Proving Grounds at approximately 44 miles per hour. Because of restrictions with entering the Yuma Proving Grounds, the recovery had to be delayed until Tuesday morning. Everything was found to be intact, but some payloads were damaged. Thank you to Vince KC7IIU and Kim Jenkins, Gene Sweich WB9COY, and Steve Miller W6SDM for the pictures. Thank you to Bob Thompson KC8BOB for the graphic.

Bill McLean, K7WWM  
ANSR Treasurer



The body of water in the upper left is the Salton Sea in California.



The yellow line shows the projected flight path and the pink shows the actual path.



Balloon fragments.

*Continued Next Column*

*Continued on Page 13*



Due to the fact that we are a repeater group and not a club, there is not too much to report each month.

The 147.280 downtown Phoenix repeater is still down for repairs. When these repairs and the testing is done, it will be reinstalled.

We would like to thank Tom N7MMC (Mickey Mouse Club) for becoming our latest member. Welcome aboard Tom.

The 7:30 P.M. Tuesday MMRG net on the 147.000 Repeater is still going strong. Currently several have been taking their turns at NCS. Everyone is welcome to join in our net. Membership in MMRG isn't required.

K7POF is still running the Amateur Radio News Line at about 6:55 P.M. Tuesday nights on 147.000 before the MMRG net.

I hope everyone has a great March.

73 Bob Sitterley K7POF



**ADAW**



Payload shadows just before landing, at the top is the balloon-wrapped parachute.

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<p>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.</p>			

## 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.

### April Test Sessions

**Apr 2nd** - DeVry ARC & WVARC -- 9:00 AM

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

**Apr 4th** - AARC & WVARC -- 8:00 PM

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

**Apr 7th** - CARBA -- 7:00 PM

Lighthouse YMCA, 2900 N Columbus Blvd, Tucson  
Contact - Matthew Grossman 520.750.7189  
Pre-Reg by email preferred

**Apr 8th** -- Tonto ARA -- 6:00 PM

Payson Public Library, 328 N McLane Rd, Payson  
Contact - Darde De Roulhac 928.468.1487

**Apr 11th** - Radio Society of Tucson -- 7:00 PM

Pima Emergency Communications Operations Ctr  
3434 E 22nd St, Tucson  
Contact - Diane Zimmerman 520.219.0452

**Apr 13th** - Central Phoenix VE Team -- 6:30 PM

South Mountain Community College, 7050 S 24th St, Phoenix  
Contact - Bill Martin 480.205.3625  
No Walk-Ins - Limited Space - Please contact prior to exam.

**Apr 16th** - W7GAA -- 10:00 AM

Suddenlink Community Center, 2380 3rd St, Bullhead City  
Contact - Keith Bruecker 928.719.8433

**Apr 16th** - Coconino ARC -- 9:00 AM

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

**Apr 16th** - Central Phoenix VE Team -- 9:00 AM

Gilbert Farmers Market, 222 N Ash Dr, Gilbert  
Contact - Bill Martin 480.205.3625  
No Walk-Ins - Call Ahead for important details/instructions



#### CHAPTER 16

#### BARRY M. GOLDWATER ARIZONA CHAPTER

The next meeting will be March 26 at Casa Del Rio Mexican Restaurant in Tucson at 11:00 AM. Hope to see you there.  
Watch next month for a report on the meeting.

ADAW

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#### Test Sessions Continued from Previous Column

**Apr 16th** - Unsponsored -- 10:00 AM

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

**Apr 18th** - East Valley VE Team -- 6:00 PM

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

**Apr 19th** - Boy Scout Troop 127 -- 8:00 PM

St Francis Xavier School, 4715 N Central Ave, Phoenix  
Contact - John Kelley 602.264.6854

**Apr 20th** - Thunderbird ARC -- 6:00 PM

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

**Apr 23rd** - Arizona ARC -- 7:00 PM

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

*Continued Next Column*

**SCOTTSDALE AMATEUR RADIO CLUB, INC.**



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

*SARC Continued from Previous Column*

At the writing of this column, our Spring Fest has not yet occurred. There are extensive plans for a great event and I hope the weather cooperates. I will have plenty of pictures next month to show all of the events and great bargains that were there.

Our program for the March general club meeting was all about the upcoming Spring Fest. Paul Jorgenson, KE7HR, moderated the discussion. He requested and received many volunteers for the various stations at the hamfest. All of the hamfest prizes were discussed in detail. An overview of the operation was discussed primarily for the new hams that have not participated in a hamfest before. Everyone was eager to attend and help at the biggest event of the year.



Paul Jorgenson, KE7HR, on the computer

It has been several years since the club has had an activities committee and now we have a good one. Charlie Brown, NJ7V, is the chairman for the activities committee and he has been hard at work surveying the membership for ideas. Of course, he will be working on the club's main events, such as Field Day, the Ice Cream Social, and the annual Christmas Banquet. But he will work in some new activities for us all to participate in. At the club meeting he had a survey for the membership and he received a lot of really good ideas. This is shaping up to be a really fun year for the club. I am looking forward to more social activities.

HF work this month has been spotty with an occasional open band. I have been listening around the bands and they have not been very open. I have worked a few guys on 40 meters lately. Until I repair my tri-band yagi, I only have 40 meters to work with.

Since this has been the warmest winter on record quite a few of you out there have been enjoying hiking, bicycling, golfing and many other outdoor activities. Some club members have told me they are climbing Camelback Mountain every week or so. One ham has been hiking to the flat iron in the Superstition Mountains from the Superstition Park. Another ham has his HF rig in his truck and on a nice week end he goes to the rim to have some fun. Parts of the rim still have snow but he loves it. I have requested pictures from these guys but so far nothing.

We have a 2-meter/ 70 cm net every Tuesday evening at 7:00 P.M.. The frequencies are 147.18 MHz with a tone of 162.2 and 440.00 MHz with a tone of 100. A bunch of guys get on the air and tell us what they have been up to lately. It is a lot of fun to get on the air especially since the HF bands have been so bad. If you check into the net once in a while, we know you are still alive.

Well that's all I have for now. Be well and keep on hamming.

73 Ed Nickerson WU7S  
[enickerson427@aol.com](mailto:enickerson427@aol.com)



Jerry Jacques, KD7GYM, showing the hamfest site

**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 Gerald Jacques, W7EMU at 480.239.8679. Please send address change requests to Gerald no later than the 7th of the month in which you would like the change to occur.**



*Continued Next Column*



# Old Pueblo Radio Club INTERMOD

## President's Column

Around this time last year, I spent several hours creating an April Fool's joke to post on the 4x4 Ham web site. I completed it, many people read it, and I'm fairly certain nobody laughed at it. It wasn't that convincing or funny. I spent less than 3 minutes typing the following paragraph before emailing it out.

"April 1, 2015. Within the next month, the ARA will be replacing all of the Micor radios at our repeater sites with the new Baofeng digital repeaters. They can be purchased for VHF or UHF usage and have a built in controller and filters. Similar to the Yaesu System Fusion, the Baofeng digital repeater will work with Yaesu CDMA digital or backwards compatible to analog. What makes these radios a perfect fit for the ARA is they are also compatible with Icom D-Star and Motorola DMR. Any digital mobile or handheld radio can operate using digital transmissions using the Baofeng digital repeater."



Little did I know, I was throwing gasoline on the fire. Yaesu was selling System Fusion repeaters cheaper than the mobile radios required to talk on them. Many Icom D-Star and Motorola DMR users are itching for more of those systems to be installed. Baofeng? Could there actually be a cheap digital radio on the market? I recently, 9-10 months later, heard 2 stations talking about my email on Metrolink.

What are the ARA's long term plans for the repeater system? Lance KW7LH recently answered the this question.

"The Motorola Micor radios that are used are already 30+ years old, but their reliability is generally better than much of

*Continued Next Column*

The Old Pueblo Radio Club will hold its 13 April 2016 Meeting at the usual site at Tucson Medical Center. Extensive construction has resumed in the East Parking lot, but some parking is available.

Hope to see the gang there.

73 de

Ron Kalish, N7PW

President, OPRC

### *OPRC Repeaters*

146.66 - PL 110.9	wide coverage	W7GV
146.82 - PL 110.9	wide coverage	W7GV
147.22 - 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



### *ARA Continued from Previous Column*

the new stuff costing hundreds/thousands of dollars per radio. They are also repairable by our tech committee. Most of the newer radios have become "factory service" only or simply disposable. We will probably stay with the old ANALOG MICORS for the foreseeable future, but we are considering available replacement models that are a little newer, but still serviceable. Considering we have around 70 radios in service, their track record has been excellent."

The ARA's primary mission is to provide repeaters for disaster and emergency use. These need to be systems that the greatest number of hams can access. For now, the Baofeng repeaters are not cut out for the task. Maybe next year.

Virgil K7VZ

ARA President







## OVARC Continued from Previous Column

makes for a pleasant day without the sunlight beating on your head. A log fun and some darn good deals, plus several seminars during the morning hours, with some great Raffle Prizes. Plenty of parking is available. Watch our website for the announcements starting about August.

We do Field Day at the Oro Valley PD EOC, and usually score pretty well. More importantly, we have a lot of fun and some really good food. Last year we had a timeout while a heavy thunderstorm passed through, with some pretty high winds and lots of heavy rain. But no hardware failures, no antenna failures, and dinner was excellent. We ran three stations for the entire 24 hours. A few software issues arose, but were solved. The volunteers who organize and conduct the event are the real backbone of our club, and they do a fantastic job.

Finally, we hold our board meeting as an open meeting usually on the first Saturday of each month starting at 09:00, followed by a VE session at 10:30, again at the Oro Valley PD EOC in the Oro Valley Marketplace.

If you wish to contact us, the current newsletter has email links you can use or email us at [info@tucsonhamradio.org](mailto:info@tucsonhamradio.org). On the website under Contacts, you will find more links.

Ron Herring, W7HD  
Newsletter Editor OVARC  
[newsletter@tucsonhamradio.org](mailto:newsletter@tucsonhamradio.org)

The Oro Valley Amateur Radio Club is very active in public service. We are also doing at least one NPOTA event per month from various parks within a couple of hours drive. We did Saguaro West National Park on January 1-3. Then February 6th, we were at Jaun Bautista de Anza National Historic Trail TR13, On March 19, we will be at Tumacacori National Historic Park HP45 starting about 09:00 and ending around 16:00.

All are welcome to attend our Saturday morning breakfast at the Village Inn on Oracle just south of Orange Grove at 07:30. We usually have 15-20 attendees and a large amount of fun and conversation. No serious business happens here!

We currently operate four analog repeaters and three D-Star repeaters. The analog repeaters are all linked, and are on 146.620 on Keystone Peak west of Green Valley at 7300 feet, 147.320 at the Golder Ranch Fire station in Catalina City, 444.100 at the Oro Valley PD south of Tangerine Road at Naranja, and our newest 447.525 will be going into its final home in the very near future. These all use the W7AI call. We also have a D-star repeater adjacent to the 444.100 on 445.800 operating as W7AI B. Also, we have a 445.1375 KG7PJV B on the north side of Tucson in the Foothills area, and a 440.7625 KG7RWN B near Camino Seco and 22nd St. In addition we are on Echolink node 99946 as W7AI-L.

Our monthly club meeting is held the third Friday of each month at the Ascension Lutheran Church and School on 1220 W Magee Rd. in Tucson. See our website at <http://tucsonhamradio.org> for details. We have some of the best presentations in Arizona! Steve, W1SR, does a great job of attracting some top talent for our meetings. The March 18th meeting will be All About MESH Networks by Mike Boger K7BUM.

Also on our website, under the Newsletter tab, you will find PDF copies of all our newsletters. These are published monthly and typically run 20-30 pages with lots of technical articles as well as some fun stuff. All content in these newsletters may be freely shared as long as credit is given to OVARC as the source.

We do a hamfest the 2nd Saturday of November at the Marana Middle School just off I-10 at the Marana exit. This usually has about 400-500 attendees and 60-90 vendors. A shaded area for the vendors courtesy of the solar panel arrays

ADAW

## Club Badges by N7KKQ

Custom CNC Milled Badges and Nametags  
Fine Detail - Many Styles and Colors  
Club Logo Artwork Included  
Pin or Magnetic Clasp



Mark, N7KKQ - 937-424-9069  
[markk.tec-paq.com](http://markk.tec-paq.com)

*Continued Next Column*



Preparations are well underway for the Prescott Hamfest 2016. YARC and the Eagle Amateur Radio Club of Embry-Riddle Aeronautical University will host the event on the campus of ERAU in Prescott, AZ. We look forward to seeing you on Friday afternoon and all day Saturday, June 10 and 11, 2016. General admission to the hamfest is only \$5.00. Non-commercial tailgate spaces are only \$10.

The hamfest will include seminars for beginners, intermediate and advanced attendees. There will be an antenna contest, transmitter (fox) hunt, DXCC card checking, license exams, prizes, and much more.

The year 2016 marks Yavapai Amateur Radio Club's 25th Anniversary. Come join us for one of our monthly club meetings. Upcoming meeting night programs include: Printed Circuit Prototyping (April), Transmitter Hunting (May), "Journey to the Edge" the VP8 DXpedition (June) and "Fun of CW Operating (August).

As YARC strives to meet the needs of new hams and those wishing to upgrade their licenses, we are beginning a General Class license study on Friday evenings. Contact Frank K8FB for more information, [president@w7yrc.org](mailto:president@w7yrc.org)



*Amateur Radio Development Group*

***No news this month.***

The Amateur Radio Development Group at Phoenix Country Day School is looking for donations for their club ham shack. If you can help, please contact one of the club officers listed on page 3. Thanks for your help.

### ***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)*

## ***Want Ads***

### **WANTED:**

I am looking to purchase a (WT3) Programmed 33cm (927 MHz) Radio. If you have one to sell, please contact:

Larry Stafford, N7WBU  
3527 S Chesin Drive  
Tucson, AZ 85730-2319  
email: [TFDFFF@cox.net](mailto:TFDFFF@cox.net)

## ***Upcoming Classes***

### **Free Technician Class License Class**

A free Technician Class license class will be held at the Tucson Police Department located at 1100 S Alvernon Way in Tucson beginning Sunday, April 17. The class will be held for 8 - 10 weeks from 6:30 to 8:30 PM. There is no charge for the class. The book can be purchased for approximately \$20 at the class. No charge license exams will be conducted by the Radio Society of Tucson. Call Ken at 520.572.3766 or email to [kg7khy@gmail.com](mailto:kg7khy@gmail.com) to reserve a place.

## Hamfest Calendar

9 April 2016 - **April Hamfest at DeVry** - hosted by the Arizona Amateur Radio Club and the Amateur Radio Council of Arizona will be held at DeVry University, 2149 W Dunlap Avenue in Phoenix. Hours are 6:00 AM to 11:00 AM. Admission Donation: \$2.00. Tailgate Spaces: \$10.00 each. VE Testing in school library at 9:00 AM. DX QSL Card Checking from 9:00 to 10:00 AM. Commercial Vendors - Tailgaters - Prizes - Coffee - Doughnuts - Sodas. Talk-In on 147.060 (+) PL 162.2 Hz. Contact Gary Hamman at [k7gh@arrl.net](mailto:k7gh@arrl.net) or 602.996.8148 for information or to reserve a space.

7 May 2016 - **Cochise Hamfest** - hosted by the Cochise Amateur Radio Association will be held at the club site, 2756 S Moson Road in Sierra Vista. Hours are 7:00 AM until 12:00 Noon. An Open House demonstration of amateur radio communications will be held. VE Testing Available. Prizes. Breakfast and Lunch will be for sale for a reasonable price. Contact Lee Ilse, KD7OED at [kd7oed@arrl.net](mailto:kd7oed@arrl.net) for more information.

4 June 2016 - **White Mountain Hamfest** - hosted by the Kachina Amateur Radio Club will be held in the Show Low City Hall parking lot, 180 N 9th Street in Show Low. Hours are 6:00 AM to Noon. Overnight RV camping permitted after 5:30 PM Friday. Tailgaters \$5.00 per space. VE testing at 9:00 AM. Prizes. Refreshments Available. Contact K-K at 480.586.6303 (email:[kb9si@yahoo.com](mailto:kb9si@yahoo.com)) for more information.

10-11 June 2016 - **Prescott Hamfest** - hosted by the Eagle Amateur Radio Club and the Yavapai Amateur Radio Club will be held on the campus of Embry Riddle Aeronautical University, 3700 Willow Creek Road in Prescott. General Admission \$5.00 for both days. ERAU Students with ID, Commercial Vendors and Information Booth/Tables Free Admission. Tailgate Swap \$10.00 per space for both days. Consignment Sales, Transmitter Hunt, Seminars and more. VE Testing and DXCC Card Checking will be available. Food Trucks will be on grounds. Sorry, NO RV Camping on Campus. Contact Chuck Zappalo, KE7SA at [czappala@cableone.net](mailto:czappala@cableone.net) or Bill Noe, W7PVA at [w7pva@arrl.net](mailto:w7pva@arrl.net) for more information

22 - 24 July 2016 - **ARCA/Williams Hamfest** - hosted by the Amateur Radio Council of Arizona will be held at the Williams Rodeo Grounds, Rodeo Road in Williams. Hamfest hours are Dawn to Dusk Friday and Saturday. Trip to the Grand Canyon aboard the Grand Canyon Railroad on Sunday, 24 July. Hospitality Suite on Friday - Barbecue Dinner at Railside RV Ranch on Saturday. Breakfast and Lunch served by the Kiwanis Club of Williams on Friday and Saturday. Prizes, VE Testing, Seminars and more. For complete up-to-date information, visit the ARCA Website at [www.arca-az.org](http://www.arca-az.org) and click on the "ARCA/Williams Hamfest" link at the left of the screen.

21 - 22 October 2016 - **2016 Arizona State Convention/CopaFest 2016** - hosted by the Maricopa Amateur Radio Association will be held at the Ultra Star Center at Harrah's Ak-Chin Casino, 16000 Maricopa Road in Maricopa. Talk-In: 449.125- (PI 136.5) & 145.210- (PI 162.2). Contact Bob Howard at 520.222.7311 or email to [w8rh@live.com](mailto:w8rh@live.com) for more information.

5 November 2016 - **Cochise Fall Swapmeet & Communications Exercise** - hosted by the Cochise Amateur Radio Association will be held at the Green Acres club facility located at 2756 S Moson Rd in Sierra Vista. Date to be confirmed. Contact Lee Ilse, KD7OED at [kd7oed@arrl.net](mailto:kd7oed@arrl.net) for more information.

12 November 2016 - **Oro Valley ARC Hamfest** - hosted by the Oro Valley Amateur Radio Club will be held at Marana Middle School, 11279 W Grier Road in Marana. Talk-In: 146.620(-), 444.100(+), and 147.32(+)- all PI 156.7. Contact Steve Wood, W1SR at 520.906.1204 or email to [nauet2222@yahoo.com](mailto:nauet2222@yahoo.com) for more information.



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Emergency Communications Since 1961

**SHORT SKIP**

## West Valley ARC Club Elections

New Officers were elected as follows:

Mike Corder K7MJC - President.  
Alex Munro K7AEM - Vice President.  
Sharon Blaylock - Secretary.  
Tom Connor W7TLC - Treasurer.

The following members were elected to the Board:

Tom Connor W7TLC - Board Member  
John Siepmann N9NA - Board Member

## Silent Key



We are sorry to report that Ron Rasmussen, K6OP became a silent key. Ron suffered a brain aneurism and was hospitalized. He was under sedation and was in and out of conscious for nearly five weeks before succumbing to the damage done by the aneurism.

Please keep his family in your thoughts and prayers as they go through this difficult time.

Rest in Peace, Ron. You will be missed by all who knew you.

## Emergency Communications Class

Our March 21st meeting was held at Boswell Hospital in the Juniper Room at 7:00 p.m. We went over fldigi setup. There were two A/V presentations - one on fldigi, and the other on handling emergency traffic.

## Test Sessions Report

### Special Session

A special VE test session was held for a group from the LDS Church at Deer Valley Road and 83rd Avenue on March 3, 2016. Thirty-six candidates were examined with thirty-three Technician Class and three General Class licenses being earned.

Administering VEs were:

David Morrill N7TWT Liaison, Daniel Ford K2LH, Robert Miner KA7NPQ, Robert Fairfield K7RQN, Robert Gormley KS7U, and Joe W0SLI and Verdamae KF7UJB Cutitta.

### West Valley ARC License Exams

Test sessions are held on the first Monday of each month, after the club's monthly meeting from 8:00 p.m. to 9:15 p.m. at St. Clements' Church Social Hall located at 15800 N. Del Webb Blvd. in Sun City. Walk-ins are always welcome.

Please bring photo identification, \$15.00 test fee in exact change, original and copies of any current license, any Certificates of Successful Completion of Examination (CSCE) you might have, and a pen and pencil.

For more information, please call Joe Cutitta W0SLI at 623.337.0040 or 623.215.2226.

Five candidates were examined at the March 7th session with four Technician Class and one General Class license being earned.

### DeVry University Test Sessions

The next exam session is Saturday, April 2, 2016. Exams start at 9:00 AM and all tests must be concluded by 11:00 AM. Check in at the library, second floor, southeast corner. Bring photo ID, original and photocopy of your Amateur License (if you have one) and any CSCEs, a pen and a pencil. Exam fee is \$15 - exact fee, examiners cannot make change. An additional fee applies for a retest of any element and is at the option of the VE's.

Seven candidates were examined at the March 5th session at DeVry with four Technician Class, one General Class, and two Extra Class licenses being earned.

Administering VEs were:

David Morrill N7TWT Liaison, Bill Martin AI0D, Daniel Ford K2LH, Robert Miner KA7NPQ, Jim Skinnell K7EOG, Harry Scholz, AF7UT, Brian McCarthy N7TUQ, and Joe W0SLI and Verdamae KF7UJB Cutitta.



## 2016 ARRL Southwestern Division Convention/Yuma Hamfest

Another memorable Yuma Hamfest, the ARRL Southwest Division Convention, took place on February 19 and 20, 2016. I counted 18 seminars on the schedule, and as usual, the seminars were varied covering everything – contesting, kit building, MARS, antennas, power line interference – you name it! There was something for everyone, and sometimes prioritizing was necessary. For me, Lori, WA7EDI, it was especially valuable to hear Dennis Vernacchia, N6KI, tell about MARS in Vietnam. My late father operated as a volunteer in Barry Goldwater’s station, phone patching to U.S. families of military members stationed in Vietnam. Dennis was then in Vietnam, handling the patches at that end. As a teacher, I was able to spend some time in the summer at the Goldwater station logging for Dad, but I had only a vague picture of the Vietnam environment until Dennis’s Yuma presentation, so this was definitely a highlight of the Yuma hamfest for me! Thanks to all the seminar presenters. DEFINITELY there was something for everyone!

Of course Dick Norton’s (N6AA) ARRL forum was an excellent place to get updated on the latest developments at the ARRL. Marty Woll, N6VI, joined Dick in the forum. Dick stressed the need for us to work toward involving young members in amateur radio. He also discussed the reapportionment of the 15 ARRL divisions. A study committee has been appointed to make a report on reapportionment at the July ARRL board meeting. Dick also mentioned the fact that the Arizona section is very large and causes the section manager to travel long distances. However, the idea of breaking Arizona into smaller sections is an unpopular one. The new president of the ARRL is Rick Roderick, K5UR, and the newly elected CEO is Tom Gallagher, NY2RF.

Other events at the Yuma hamfest included the country store, an antenna clinic and transmitter hunt, tail gating, the balloon launch that went to about 98,000 feet, and, of course, the delicious Buzzard Barbecue, catered by the Texas Roadhouse. Director Dick Norton presented the Division Volunteer of the Year Award to Jim Zimmerman, N6KZ, of Prescott. He is one of several DXCC card checkers in Arizona. Many RV’s were seen at the event, and there were plenty of commercial vendors, including Flex and Elecraft. Of special note was an extensive list of grand prizes, sixteen of them amateur radios, including a FLEX-6500 won by K7GGG of Payson, an Elecraft K3S, an Icom IC-9100, a Kenwood TS-590SG, a Yaesu FTDX1200, an Elecraft KX3, a Kenwood TS-480SAT, an Icom IC-7200, a Yaesu FT-817ND, a Kenwood TM-D710G, an Icom ID-5100A Deluxe, and a Yaesu FTM-400XD, a Yaesu FT-2DR, an Icom ID-51A+, an Icom IC-2730A, and a Yaesu FT-7900R. What an impressive list of grand prizes!!

The Yuma hamfest is a topnotch event. Put it on your list for 2017!



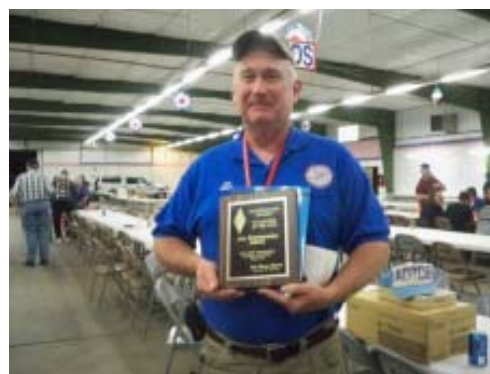
Marty Woll N6VI, Dick Norton N6AA, and Robert Spencer KE8DM at the ARRL booth



Jim Zimmerman, N6KZ checks QSL cards at the ARRL booth



Clara Woll, KJ6CNO and Reinhard Geissler, K7RGG look at antique QSL cards



Jim Zimmerman, N6KZ was named the ARRL Southwestern Division Volunteer of the Year

# HAM RADIO OUTLET

14 STORE BUYING POWER!



**FTDX5000MP Limited** | 200W HF + 6M Transceiver

- Internal Power Supply • Two Totally Independent Receivers • Super Sharp "Roofing" Filters • High Performance Yaesu Custom-designed 32-bit Floating Point DSP • True Analog Meter Precision



**FT-450D** | 100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift **Call For Pricing!**



**FTM-400DR** | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band



**FTDX3000** | 100W HF + 6M Transceiver

- 100 Watt HF/6 Meters • Large and wide color LCD display • High Speed Spectrum Scope built-in • 32 bit high speed DSP /Down Conversion 1st IF **Call For Low Pricing!**



**FT-857D** | Ultra Compact HF/VHF/UHF

- 100w HF/6M, 50W 2M, 20W UHF • DSP included • 32 color display • 200 memo • Detachable front panel (YSK-857 required) **Call For Our Low Price!**



**FT1DR** | 144/430 5W Digital Transceiver

- C4FM/FDMA • 1200/9600bps AX.25 APRS & GPS Recvr Built-in • Dual Band Operation w/Dual Receivers (V-V/U-V/V-U) • Wideband Receiver/AM Bar Antenna/Aircraft Receive • 1266 Memory Channels w/16 Char Alpha Tagging **Also Available in Silver!**



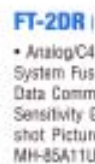
**FT-991** | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz - 55B/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/4440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP • 160-6 meter high speed automatic antenna tuner



**FT-2900R** | Heavy-Duty 75W 2M FM Transceiver

- Massive heatsink guarantees 75 watts of solid RF power • Loud 3 watts of audio output for noisy environments • Large 6 digit backlit LCD display for excellent visibility • 200 memory channels for serious users



**FT-2DR** | C4FM/FM 144/430 MHz Transceiver

- Analog/C4FM Dual Monitor (V-V/U-U/V-U) • System Fusion compatible • 1200/9600 APRS Data Communications • Integrated 66ch High Sensitivity GPS • Wide Band Receiver • Snapshot Picture Taking Capability With Optional MH-85A11U



**VX-8DR** | 50/144/220/440

- 50/144/220/440 • 5W (1W 222 MHz) • Bluetooth optional • Waterproof/ submersible (3' for 30 min) • GPS APRS operation optional • Li-Ion Hi-capacity battery • Wide band Rx



**FTDX1200** | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



**FTM-100DR** | C4FM FDMA/FM 144/430 MHz Transceiver

- Power Packed System Fusion Transceiver • High Audio Output Power • Rugged Powerful Transmitter • Integrated 66ch High Sensitivity GPS • 1200/9600 APRS Data Communications • Voice Guide and Recording Function \*Optional FVS-2 Required • Digital Group Monitor (GM) Function • Digital Clock & Timer Functions



**FT-60R** | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



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

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The radio



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BURBANK, CA (877) 892-1748	SAN DIEGO, CA (877) 520-9623	NEW CASTLE, DE (800) 844-4476	DENVER, CO (800) 444-9476	ATLANTA, GA (800) 444-7927	SALEM, NH (800) 444-0047	ONLINE STORE WWW.HAMRADIO.COM

\*Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HFD 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, TX, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.



The Arizona Amateur Radio Club and  
The Amateur Radio Council of Arizona present the

# April Hamfest at DeVry

## April 9, 2016

DeVry University - South Parking Lot  
2149 W Dunlap Ave.  
Phoenix, AZ

Hours: 6:00 AM to 11:00 AM

Commercial Vendors - Tailgaters

Admission Donation - \$2.00

VE Testing - 9:00 AM in Library

Tailgate Spaces - \$10.00 each

DX QSL Card Checking - 9 to 10 AM

Prizes - Coffee - Doughnuts - Sodas

### Tentative Main Prizes List

Grand Prize - Icom IC-2730A UHF/VHF Mobile

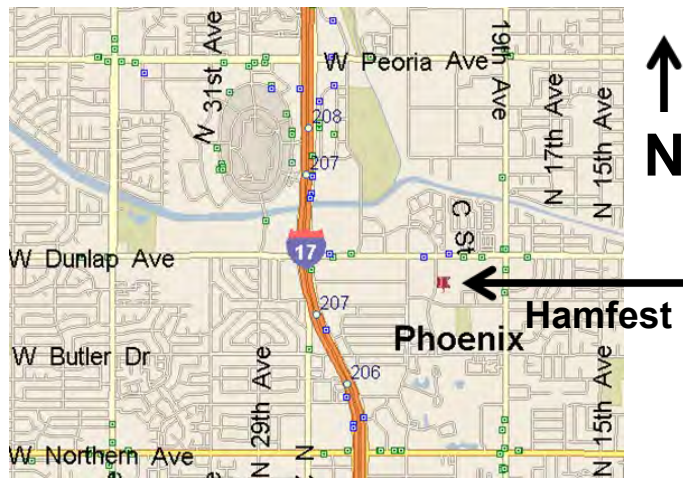
Second Prize - Kenwood TM-281 VHF Mobile

Third Prize - Astron RS-35A 13.8 VDC Power Supply

Fourth Prize - Baofeng UV-82 UHF/VHF HT

BROWSE - BUY SELL - TRADE

SPEND THE DAY WITH FRIENDS



Talk-In on 147.060 (+) PL 162.2 Hz

Google Earth View

For more information or to Reserve a Space -  
Contact Gary Hamman at [k7gh@arrl.net](mailto:k7gh@arrl.net) or 602.996.8148



*The Cochise Amateur Radio Association Presents*

# *The Cochise Hamfest*

*And 7<sup>th</sup> Region Communications Exercise*

**SATURDAY, MAY 7th 2016**

2756 South Moson Road, Sierra Vista, AZ

**Hamfest Gate Opens at 0700**



**PARKING AND ADMISSION DONATION: \$3**

**TAILGATE FEE: \$5 INSIDE TABLE FEE: \$10**

**AMATEUR RADIO LICENSE TESTING: 0900 to 1130**

**COFFEE, PASTRY, HAMBURGERS, & DRINKS AVAILABLE**

**MAIN PRIZE DRAWING @ 1200 NOON**

**TALK IN: 146.76(-) PL 162.2**



**1<sup>st</sup> Prize: Yaesu  
VX8-DR 6/2/440  
Bluetooth Enabled**



**2<sup>nd</sup> Prizes (2 each)  
Gap Hear-It  
Speaker**



**3<sup>rd</sup> Prize: Heil  
Boom Headset  
BM-10-2YN**

**Other prizes include: Alinco DJ-500T Dual-bander, Baofeng UV-5R V2+ HT, HT carry bags, station wall and desk clocks, LED flashlights, and many more.**

**CHECK OUT THE COCHISE COUNTY MOBILE COMMUNICATION UNIT  
Local Sierra Vista Accommodations and Shopping Within 15 Minutes**

**VISIT US ON THE WEB AT <http://www.k7rdg.org>**

For More Info Contact: Ken/KX6X at (520) 255-4817 or [KX6X@ARRL.NET](mailto:KX6X@ARRL.NET)

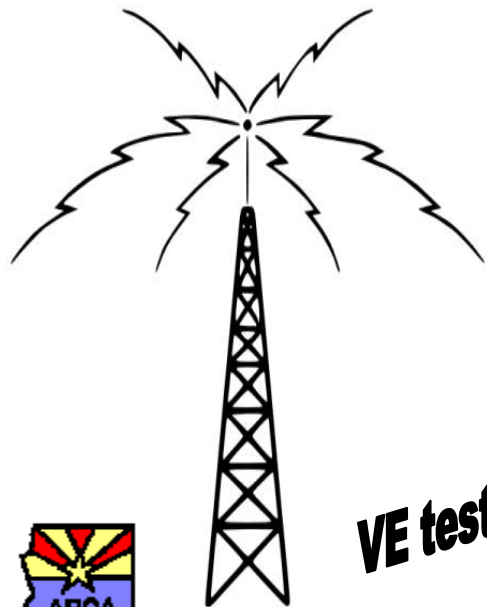


# JUNE 4, 2016

6 AM - Noonish



Contact: K-K  
kb9si@yahoo.com  
480-586-6303



**VE testing 9AM**



**Tailgaters**  
**\$5/space**



## WHITE MOUNTAIN

# HAMFEST

## SHOW LOW, AZ

### CITY HALL PARKING LOT

### 180 N. 9<sup>TH</sup> ST

**Talk-in frequency**  
**145.31 - pl 110.9**



**Overnight RV camping**  
**available after 5:30PM Friday**

**Refreshments Available**



sanctioned event

## **Prize Drawings**

## **hourly and GRAND**

# Prescott Hamfest 2016



**At Embry Riddle Aeronautical University**

3700 Willow Creek Road Prescott, AZ 86301

*Hosted by*

**Eagle Amateur Radio Club at ERAU and Yavapai Amateur Radio Club**



**Friday, June 10, Noon to 5 PM and Saturday, June 11, 8 AM to 5PM**

For the latest information, schedule, maps and details watch [www.w7yrc.org/prescott-hamfest](http://www.w7yrc.org/prescott-hamfest)

**Come Celebrate the 25th Anniversary of the Yavapai ARC!**

- Tailgate Swap Meet
- Consignment Sales
- Test Bench
- Commercial Vendors
- Transmitter Hunt
- Antenna Range
- ARRL Booth
- DXCC Card Checking
- VE License Exams
- Socializing Area
- Seminars for Beginners, Intermediate, Advanced
- Free Informational Booths and Tables for Clubs
- ARES/RACES & MARC Comm Vans
- Yavapai Jeep Posse Vehicles
- Eagle Amateur Radio Club Station Tour
- Food Trucks
- Prize and Raffle Drawings
- Sorry, No RV Camping on Campus
- RV Camping with Hook-Ups Near By (See Map)
- Limited RV Camping for Commercial Vendors on Campus

**General Admission \$5.00 for both days**

**Tailgate Swap each lot space \$10.00 for both days**

**ERAU Students with ID FREE**

**Commercial Vendors FREE**

**Information Booths and Tables FREE**

**Car Pooling Highly Recommended**

Watch [www.w7yrc.org/prescott-hamfest](http://www.w7yrc.org/prescott-hamfest) for Updates



An ARRL Sanctioned and ARCA Co-Sponsored Event  
This Event will occur Rain, Wind or Shine. Come prepared!

**Want to set up an informational booth or present a seminar?  
Contact one of the Hamfest co-chairs below.**



Contacts:

Co-Chairs Bill Noe W7PVA [w7pva@arrl.net](mailto:w7pva@arrl.net) or Chuck Zappala KE7SA [czappala@cableone.net](mailto:czappala@cableone.net)

Talk-In W7YRC FM Frequencies: 146.88 (-) MHz PL 100 Hz and 447.650 (-) MHz 100 Hz

**NO GUNS, DRUGS, ALCOHOL, SMOKING, VAPING, FIREWORKS OR PETS PER ERAU.**



# 2016 ARCA / WILLIAMS HAMFEST JULY 22, 23 & 24, 2016



*Presented by the Amateur Radio Council of Arizona  
and the City of Williams*

WILLIAMS RODEO GROUNDS, 800 RODEO ROAD  
WILLIAMS, AZ



GATES OPEN AT NOON THURSDAY, JULY 21 FOR SET-UP.  
HAMFEST OPENS AT DAWN FRIDAY, JULY 22.

## FREE ADMISSION!

### MAIN PRIZES

- Grand Prize - ICOM IC-7100 HF/VHF/UHF Mobile
- Second Prize - Yaesu FT-8900R QuadBand
- Third Prize - Kenwood TM-281A 2M Mobile
- Fourth Prize - Yaesu FT-2900R 2M Mobile
- Fifth Prize - Baofeng UV-5R
- Early Bird - Tigertronics Signalink USB

### ALL OUTSIDE SPACES

\$20 per Space before June 25  
Selling and/or Camping  
INSIDE SPACES - \$85 per Space

## PRIZES

DOOR PRIZES EVERY HOUR  
RAFFLE TICKETS  
12 for \$20, or 3 for \$5.00



### Advance Reservation Closes June 25

After June 25 - On-Site Reservation Only  
\$25 per Space  
(all prices are for entire weekend)

### FOR RESERVATION INFORMATION

Visit the ARCA Web Site

[www.arca-az.org](http://www.arca-az.org)

On-Line Reservation Available on Web Site

### Commercial Vendors

- Huge Swap, Meetings, Seminars, Activities
- VE Tests, ARRL Card Checking
- Hospitality Suite, Saturday Night BBQ Dinner

Call - 602-881-ARCA (2722) for info

Talk-In - 146.78 - (91.5 PI)

**SPECIAL EVENT STATION!** Sunday, July 24 - Grand Canyon Train Trip

NO FOOD OR BEVERAGE SALES WITHOUT WRITTEN PERMISSION & HEALTH PERMITS  
NO DRUGS or ALCOHOL PERMITTED on GROUNDS

# WELCOME TO COPAFEST 2016

**Maricopa Amateur Radio Association, Inc.**



**ARRL  
2016  
Arizona  
State  
Convention**

**Maricopa, Arizona - October 21-22, 2016**

## *Arizona State Convention in the Desert* *October 21 & 22, 2016*

16000 Maricopa Road, Maricopa AZ  
Click [HERE](#) for map

Hamfest setup Saturday 5:00 am, Event opens at 7:00 am

Indoor Spaces - Prices to be announced.

Outdoor Spaces - Prices to be announced.

Vendors Pre-Register

[HERE](#)

[Fest@Copahams.Org](mailto:Fest@Copahams.Org)

Friday evening event to be announced.

Special Event Station – W7M,

ANSR Balloon Launch, Interesting Seminars, VE Testing, Hourly Prizes, Food, Drinks & Entertainment Available On Site At UltraStar Center.

# ORO VALLEY ARC



# HAMFEST

An ARRL Sanctioned Event Presented by the Oro Valley Amateur Radio Club

**November 12, 2016**

**Marana Middle School  
11285 West Grier Road  
Marana Arizona 85653**

Mark your calendars.

Send questions to [hamfest@tucsonhamradio.org](mailto:hamfest@tucsonhamradio.org)