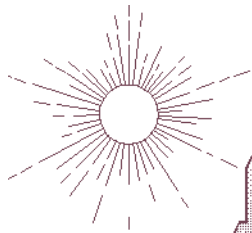


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 40, No 8

August 2015

CLUB MEETINGS SCHEDULE

SARC

Aug 5th
Scottsdale Community College
7:00 PM

AARC

Aug 13th
Red Cross Bldg. - Phx
7:30 PM

OPRC

Sep 9th
Marshall Conference Ctr
at Tucson Medical Ctr
7:15 PM

TBARC

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

CLUB MEETINGS SCHEDULE

CARL

TBD
AZ Science Center
10:00 AM

ARDG

Every Wednesday
Phoenix Country Day School
11:10 AM

QCWA

October
TBA
Phoenix
12:00 PM

WVARC

Aug 3rd
St Clement Catholic Church
Social Hall
7:00 PM

SuperstitionARC

Aug 18th
Mesa Utilities Building
7:00 PM

ARA

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

MARCA

Aug 18th
Denny's Restaurant - Tempe
6:30 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. Visit web site at www.W7IO.org for location and more info.

President	Gary Hamman	K7GH	602.996.8148
Vice President	Joe Cutitta	W0SLI	623.215.2226
Secretary	Rosemary Kydd	N7PLN	623.980.7282
Treasurer	Bob Hodges	K7JTT	480.802.1158
Activities Mgr	Lori Cripps	WA7EDI	
Membership	Bob Hodges	K7JTT	480.802.1158

AARC c/o Bob Hodges, K7JTT, 9508 E Riggs Rd, #A117, Sun Lake, AZ 85248-7532. DUES: \$15.0500/YR, Prorated (\$18.00 Family, \$9.00 Student), MEMBERSHIP YEAR BEGINS FEB. 1.

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	Tom Salt	AD7PM	480.926.0348
Secretary	John O'Neal	K7JP	480.345.7800
Treasurer	Roger Buel	W9NCQ	602.493.7242
Board Members	Ray Waddoups	KE7FUM	480.654.9883
	David Zinder	W7PMD	602.358.7826
	Ken McLeod	KM3N	

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

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

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

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.

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	David Hanson, W7BJ	602.615.3444
Webmaster	John Marshall, WA7BSR	623.334.2583

Web Site: <http://azqcwa.org> Email: 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.

ADAW Member Clubs

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	Jack York	KE7VOU	602.318.7530
Treasurer	Darren Johnson	AF7CO	
Directors:	Andrew Cornwall	KF7CCC	
	Rick Tejera	K7TEJ	
	Jim Moore	WB7ENX	
	Bill Jordan	KG7NBE	
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 or call 602.938.8219. Mailing address: PO Box 83615, Phoenix, AZ 85071-3615.

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	KD7GJI	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.

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.

President	Virgil Silhanek, K7VZ	k7vz@w7ara.net
Vice-President	Dennis Bietry, KE7EJF	ke7ejf@w7ara.net
Treasurer	Erv Heimbeck, K0OTZ	k0otz@w7ara.net
Secretary	Jim Hoff, N7XXX	n7xxx@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 www.w7ara.org/mbr/ Dues are \$18/yr. (Jan. 1 through Dec. 31) with a one-time initiation fee of \$10. Life and family memberships are available.

SUPERSTITION AMATEUR RADIO CLUB

The Superstition Amateur Radio Club (SuperstitionARC) meets at 7:00 p.m. on the **THIRD TUESDAY** of each month (except December) at the Mesa Utilities Building, 640 N. Mesa Drive, Mesa (use the glass door on your left at the main entrance). Visitors are welcome. Board meetings are at 6:30 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	Larry Kuck	WB7C
Treasurer	Douglas Mitchell	W7ADD
Club Directors:	Ed Taggard	K7EDT
	J.D. Smaylis	KF7VOX
	Brian Betz	W7JET
	Steve Bowen	N7CPU
	John Groseclose	WX4LTG
	Dale Schmidt	N7QJK
	Jan Werner	KA7ISV

SuperstitionARC, P.O. Box 21522, Mesa, AZ 85277-1522. Web Site: wb7tjd.org. The Superstition Amateur Radio Club is a 501(c)(3) non-profit organization. For club information, please send email to: 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, Cun 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	Verdemae Cutita, KF7UJB	
Treasurer	John Siepmann, N9NA	623.544.5295
Membership		
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>.



ADAW Member Clubs

4X4 HAM

4X4 Ham is an online interest group for amateur radio operators interested in off-road recreation, and dedicated to promoting amateur radio in all outdoor activities. While 4x4 Ham started in the Phoenix metro area, it has grown to become an international forum. Weekly VHF nets are held on Wednesdays at 8:15 p.m. on the Arizona Repeater Association's Metrolink repeater system and HF nets are hosted from El Paso, TX and are held on Mondays at 6:00 p.m. MST/MDT on 7.236 MHz (+/- QRM). For more information, visit us online at <http://www.4x4ham.com>.

President	Richard Moore, N7IYT
Vice President	Randy Taylor, K7NNT
Secretary	Todd Ewing, KF7NLX
Treasurer	Virgil Silhanek, K7VZ

Online Basic Membership: Free. Advanced Membership: \$15/year.
Premium Membership: \$30/year.

MARCA, Inc. / W7MOT

MARCA is an Arizona 501(c)(3) Non-Profit organization. The club call sign is 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	
Board Directors:	Bill Hosking, W7JSW	
Board Directors:	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.

ADAW

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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SARC EDITOR		
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FROM THE EDITOR'S DESK

QST from Thomas Boza, NE7X ARRL AZ Section Government Liaison

Lots of things are happening in the world of Amateur Radio right now. There are bills before both houses of Congress which are essentially identical - H.R. 1301 for the US House and S. 1685 for the Senate. These bills require private land-use restrictions (HMOs, CC&Rs, deed restrictions, etc.) to follow the “reasonable accommodation” of Amateur Radio antennas allowing for Amateur Radio Communications.

In the ARRL Letter of July 16th, ARRL President Kay Craigie, N3KN stated in part:

“. . . The Amateur Radio Parity Act of 2015 is aimed at helping to ensure the future of Amateur Radio, as more and more neighborhoods impose deed restrictions that prohibit Amateur Radio antennas and keep today’s youngsters from becoming active radio amateurs.

“What if their parents have bought houses in neighborhoods with deed restrictions prohibiting antennas?” she speculated. “Those kids’ interest in ham radio gained from school, Scouts, or family friends will have no way to blossom into the life-changing experience of being radio amateurs.”

It’s time for all of us to get involved by writing letters to our representatives, if you haven’t already done so. Take copies of a letter addressed to each of your representatives to a club meeting and have everyone put their names, addresses and signatures on letters to each member of Congress. Then put them all together and send to the ARRL (c/o The Amateur Radio Parity Act, ARRL, 225 Main St, Newington, CT 0611) and they will hand deliver them to Capitol Hill.

They are listening. Let’s really overwhelm them.

In other news for Arizona, Thomas Boza, NE7X is working with Senator Jeff Dial on getting \$17 of the license fee for Amateur Radio license plates returned to the Amateur Radio community. See his article on this page for more details and what you can do to help.

As I write this, it is one week until the ARCA/Williams Hamfest. It’s looking to be exciting with the DX Store, RF Gear to Go, and RF Stuff all being in attendance. There will even be someone with event T-shirts this year. Seminars, meeting, talks, and a T-Hunt are scheduled for both Friday and Saturday. There will be an on-site Hospitality Suite Friday evening, and on Saturday, there will be a Balloon Launch and VE testing in the morning and the Annual Barbecue Dinner in the evening. Of course, there will be the usual tailgaters both days and food provided by the Williams Kiwanis Club.

Then the culmination of the weekend is the trip to the Grand Canyon aboard the Grand Canyon Railroad on Sunday. It is a fun trip for all.

If you get this in time, come join us for a great weekend. If you can’t make it, plan on checking it out next year.

Have a great month.
Chris, N7PVL

On June 24, 2015, Thomas Boza, NE7X, ARRL Arizona Section Government Liaison, met with Arizona State Senator Jeff Dial, Republican from District 18, at his office in the Arizona State Senate building, to discuss the process for acquiring \$17 from each Arizona Amateur Radio auto license plate fee, money to be used for college scholarships. Senator Dial, who is not an Amateur Radio operator himself, was very supportive and provided suggestions on the process to use in order to make this happen.

After going back to the relevant statute and confirming with John Carlson this morning, the reason the amateur radio special plates do not have a fund set up to receive money for college scholarships, is because current Arizona Amateur Radio auto license plates were among the earliest (possibly “the” earliest) to be created by statute—and the motivation behind them was, at that time, not yet for a source of revenue.

Whether or not to alter this is a matter of policy for the legislature to determine. But the way the newer ones are usually set up is that the organization receiving the money for distribution will pay an up-front payment of \$32,000 to cover the design/creation process and other costs. ADOT (Arizona Department Of Transportation) would want to be able to recover said costs, but given that the extensive design and creation process was already done when the plate was created, we don’t imagine that would be anywhere near \$32,000 for this specific plate. Most likely the money required to design/create the amateur plates will probably not be needed since the plate printing/stamping has already been done.

We are starting the process now for the plate issue so it will introduced in January when the State Session comes back in session. **MORE INFORMATION WILL FOLLOW.** For now, please wait, we will let you know what you as an amateur will need to do in the near future concerning letters, emails and phone calls to your state representatives. Once the issue has been resolved, all money received from this would go to ARCA (Amateur Radio Council of Arizona) for scholarship distribution.



Thomas Boza NE7X (on left) with Senator Jeff Dial (on right)



NEWS OF, AND FROM, THE STATION

C.A.R.L. has a shiny new logo, thanks to Josh WX7JM. He created the design in order to make it clear, to any observer, that C.A.R.L. and the Arizona Science Center have been together for 20 years. This new logo should appear both in the ADAW opening page and on this newsletter as well.

Field Day 2015 may be ancient history as you read this newsletter, but it is pretty fresh in the mind of Ye Humble Editor as this is being typed. It was a great Event at W7ASC. There were about 14 Volunteers entertaining the guests. There was a Morse code station on every floor of the Center. Few visitors left without one of those "I Sent My Name in Morse Code" stickers being displayed on a shirt.

In the Station itself, a steady stream of contacts were made on HF. If there is room in this ADAW letter, you might see a few pictures of the action.

The Arizona Science Center management helped to make this a memorable event. Ham Licensees, whether Volunteers or not, had free General admission on Saturday 6/27 when Field day started, officially. About ten Hams accepted the offer and joined the action.

Those of you, who read this newsletter, know that the activity at the Station is not all about air time, or even Morse code. The Volunteers are there to talk to the guests. These guests fall into a few broad categories, all interesting.

There are those who have no idea what they see, as they stand at the Shack entrance. Where do we start that conversation? These days, when virtually every person, regardless of age, carries a cell phone, we can start by pointing out that they have a two-way radio. Some will actually reject that statement! Nope. This is a phone. Well, it is a bit difficult to get into the groove with that one. But we persist.

There is the person who looks around and you can see the light go on. There is a large banner over the Shack that reads, in large letters, "HARKIN'S HAM SHACK" so it is hard not to smile when that person asks if this is "some kind of Ham radio." OK – at least they know the term. Sometimes they ask "is this some kind of CB?" We try to correct them and show the difference.

Teachers are the best. You can almost hear the wheels going round as they try to see if there is something here that will work with students. We do not wish to create an overload, but we need a link. What do they teach, and to which grade? History?

Continued Next Column

CARL Continued from Previous Column

That makes it a natural introduction to the telegraph, civil war and President Lincoln's use of telegraph in the White House. If time permits, we can follow that thread into Ham radio and emergency communications. The teacher leaves with a cubic yard of flyers and other information. An old QST perhaps, and a copy of the ADAW Newsletter!

There are some anecdotes from Field Day, but they will never grow old. They will appear in future issues of your W7ASC Newsletter. Do you have a tale that would appeal to the many readers? Send it in to W4CIH and we will try to fit it in.

73 de W4CIH jeanjol@hotmail.com

Jean Jolkovski - Phoenix, AZ

PS: Tech License classes are planned to start mid October. More info in the next ADAW!

Thanks to all the Hams that helped out for W7ASC/CARL Field Day:

Karen, NO7D	Tom, AD7PM
Dale, AF7JK	Stuart, KG7CQR
Chris, KG7FEG	John, KG7KJZ
Mike, KG7OSR	Bob, KG7QJ
Roger, KG7SWD	Gary, N4WU
Jim, N7BBS	Sam, N7INV
Jean, W4CIH	Dave, W7PMD
Roger, W9NCQ	Rusty, WA8ZID
Josh, WX7JM	

73 Bob Burleson KG7QJ

480-961-1109 kg7qj@cox.net



Adjusting the "Bug"

ADAW



The Morse "Fork" key



Jean W4CIH at the VHF/UHF station



Josh WX7JM & Eric K7EAL at HF station



Sam N7INV at the information table



Josh at the HF station



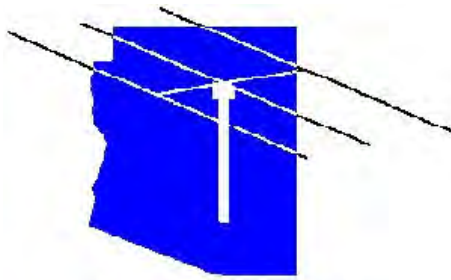
Mike KG7OSR at the information table



Tom AD7PM, Jim N7BBS at the CW table



Karen NO7D in the W7ASC shack



MARCA INC.

MARCA Continued from Previous Column

At 11:00 A.M. Saturday, all radios begin 50% duty cycle for the next 24 hours. We work two man operating teams at each station setup and continue rotating every three to four hours. Everyone gets to operate contest stations.



The GOTA station was designated to operate on 10M. 10M was up one moment and dead the next. There were several youths and a few inactive hams that operated for hours.



Sunday morning a warm breakfast is ready for all the operators and those just waking up from a few hour



nap. Operators are relieved for breakfast, too. With the closing hours of Field Day, the sprint begins and continues with frantic voices and fists.

11:00 A.M. Sunday and all is quiet. Radios are off, logs collected, and

orderly tear down of stations, antennas, and station infrastructure begins. Within a few hours, all was neatly packed and stored for the journey back home. Tired and worn, we all slowly had lunch, extended a great job to each other, a quick group picture, and departed.



Ready for some sleep and to begin preparations for next year.

Norm Johnson, aa7oo
Secretary MARCA

Follow-up on W7MOT-14 (UHF) 442.975 MHz and W7MOT-15 (900 MHz) 927.4375 MHz. Repeaters are fully operational atop Chandler Regional Hospital. Site Mgr is TD Kennard, N7ISR.

The August meeting presentation will be Ron Peters, WB9EXL, speaking about the latest developments for Fusion and the W7MOT Fusion for General Dynamics.

Field Day 2015. MARCA operated 2A from Gentry Fire Tower Camp ground, located on the Mogollon Rim at an elevation of 7400 ft, east of Forest Lakes overlooking Black Canyon Lake. Operations included 80 thru 6 meters using SSB, CW and digital PSK31 modes. Power was provided by batteries and solar chargers. The GOTA had both non-ham and inactive ham operators.

A lightning storm passed through the area Saturday afternoon and initiated safety shutdown of all station activity for a few hours. Cooler temps accompanying the storm had everyone scrambling for winter jackets.

Friday began with a small advance antenna team who launched antennas into the tall Ponderosa pines. Antennas are wire dipoles cut for 80M, 40M, 20M, 15M, and 10M. A 6M five element beam mounted on a 20ft pole with manual rotational pull rope.



The station team arrives late Friday afternoon to setup station infrastructure, shelters, batteries, and solar.



Saturday morning starts with breakfast first. Nothing like a warm meal of eggs, bacon, & pancakes with all the fixin's to start the day.

Work focuses on the set up of two main HF stations, one 6-meter, and a GOT station. Both paper and computers are used for logging QSOs.



Continued Next Column



Reminder: There are no ARA meetings in July. The next Technical/Board meeting is August 6th and the General meeting is August 27th. With that, I'll keep this month's column short with just a few updates.

There will be an Arizona Repeater Association table inside the main building at the ARCA Williams Hamfest July 24-26. Stop by and say "Hi." Lance and Virgil will also be doing a presentation Saturday afternoon in one of the seminar tents.

Our new repeater installation on Mingus Mtn. has been delayed by back ordered parts. The antennas we wanted are not available until late July. At the current time, we are looking at an install date in August sometime.

We've had great presentations at our General meetings this year with the last two months focusing on balloons and ham radio. May's presentation was by Paul KE7HR on his involvement with the world record manned balloon flight over the Pacific Ocean. June's presentation by Stephen KE7TLS documented many of the aspects of what the Arizona Near Space Research group does with their balloon flights involving grade school and college kids. The August presentation will be from Ed K7EDT on Public Service Training in Action, Kearny River Fire.

Remember to check www.w7ara.org for ARA updates as well as repeater status and information. If you ever hear problems or interference on ARA repeaters, please help us by filling out the Interference Form with as much information as you can collect. <http://w7ara.org/public/InterferForm.aspx>

Our membership numbers are strong this year. Thank you everyone for your support of the Arizona Repeater Association. You can now check your membership status and join/renew online. <http://w7ara.org/mbr/Membership.aspx>

Virgil, K7VZ
ARA President



Amateur Radio Development Group

No Report 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.



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AARC FIELD DAY 2015

The Arizona Amateur Radio Club operated Field Day in Scottsdale this year at an office complex near Hayden Road and McDowell. Behind the scenes planning began several days in advance of the June 27th FD date, with a reorganization of the office area as a first step on the 25th. Friday, the 26th found several of the members working diligently to set up a logging program on three of our computers, assembling the 10-15-20 meter beam which was no small job, and filling the gas tank on the generator on the tower trailer which had been brought to the FD site that afternoon. Some strenuous work was involved that evening, but teamwork made it possible to see the huge tri-band beam mounted atop the tower before we went home after dark.

Saturday morning after our traditional Field Day breakfast at Denny's, the REAL work began. Our bravest climber, Reinhard Geissler, DL1UF, found himself at the top of a ladder more than once after having been the tower climber on Friday. This time he was mounting a dipole on top of a tall light pole in the area. Member John Adams, K6JWA, once again saved the day by shooting the ends of another dipole over tall light poles with his bow and arrow, a trick he used successfully in past Field Day events. At 11:00 A.M., the AARC was on the air!!

Visiting ham radio operator Eric Landau, K7EAL, brought wife Eileen to see Field Day in action and couldn't resist the opportunity to operate our W7IO station, adding 16 contacts on 15 meters. Our most active FD operator was AARC member Steve Tolnai, W7WSV, who made 319 contacts. The Geissler family, Reinhard (DL1UF) and Ingrid (W7ISG) were 2nd and 3rd in activity. DL1UF logged 102

Continued Next Column

AARC Continued from Previous Column

contacts; W7ISG logged 97. I was next on the activity list. I logged a measly 66 contacts and spent two hours of sleep on the hard floor in the middle of the night.

The data for 2015 shows that the AARC did better this year than any year on record since 2008. This year we had 409 CW QSOs; the highest number of CW QSOs prior to this year (since 2008) was 287 in 2012. Our total Field Day score for 2015 far surpassed any year back to 2008!!

Field Day was, as always, very enjoyable. Eleven amateur radio operators and two non-hams spent time together, working, talking, operating, and eating delicious taco salad, crab salad, and other special dishes prepared by members and their spouses. This was a great experience and probably our number one activity of the year – Field Day 2015.

—Lori Cripps, WA7EDI

FIELD DAY ADVANCE PREPARATIONS THE TOWER TRAILER



THE 10-15-20 METER BEAM and ROTATOR



THE DIPOLES



**AARC
2015**

**STEVE W7WSV
319 CONTACTS**



**REINHARD DL1UF
102 CONTACTS**



**INGRID W7ISG
97 CONTACTS**



**JOHN K8JWA
46 CONTACTS**



**LORI WA7EDI
66 CONTACTS**



AARC FIELD DAY 2015

**ERIC K7EAL
16 CONTACTS**



**JOE W0SLL
27 CONTACTS**



**GARY K7GH
31 CONTACTS**



**BOB KB7ZAB
15 CONTACTS**





The 7th annual pilgrimage of 4x4 Hams to the Mogollon Rim for ARRL Field Day 2015 took place in June. A few arrived Thursday afternoon, but most of the crew rolled in Friday afternoon or Saturday morning. At 7250 ft. elevation, the high temperatures are 40-50 degrees less than Phoenix. An abundance of rain this year also resulted in no fire restrictions on the Coconino National Forest.

On Friday evening, we tied a heavy tent stake to a rope and tossed it over the branches in the pine trees approximately 40ft up. The 102' G5RV we used was hoisted into place and coax run over to where the operating canopy was erected. Except for a few minutes to connect radios on Saturday morning, we were ready to go.

Saturday morning saw several more hams pull into camp. At 9:00 a.m., we gathered around several tables and held a VE testing session. At the conclusion of the session, we welcomed a new Technician to the ranks as well as one member who upgraded to General.

Next, the radios were set up and Field Day was underway. As in previous years, we elected to operate as a 1A to keep the radio as active as possible and allow everyone to rotate around and get on the microphone. We normally operate as two-man teams to allow one person to use the radio while the other works the laptop making log entries. Each team rotated after an hour or so on the air. This system has worked well in the past, and didn't disappoint this year either. The radio was kept active throughout the afternoon.

Around 6:00 p.m. on Saturday, it was time to eat! The campfire was started and food set up on a table. Radio? What radio? The entire party circled the campfire and roasted hot dogs. Pasta, chips, beans, and all kinds of delicious homemade side dishes were served. We even had cookies and cheesecake for desert.

Around 8:00 p.m., a few intrepid hams headed back over to the radio. Not long after, a rainstorm blew in and we packed up the electronics vs. risking getting them wet. As I went to sleep around 9:00 p.m., a very close and loud crack of lightning hit. Good thing the radios were stowed!

Overall, we made 146 contacts on 20m and 40m, working mostly West Coast stations. There were twenty-six 4x4 Hams who attended this year with about half camping out the whole weekend. This year, we had much fewer contacts than in years past, but it was also the first year since 2009 that we were allowed to have a campfire. In keeping with the intent of Field Day, we set up a provisional station and had a great time operating under improvised conditions. More importantly, we also enjoyed friendship and ham radio fellowship around the campfire.

Virgil, K7VZ



Nice day Friday up on the Rim

ADAW



Antenna is hung and operating station set up.

ADAW



Glenn copies the W1AW bulletin on PSK31 while Lloyd studies for element 3.



July 11, 2015 was cleanup day at the Mingus Mountain MMRG repeater site. It was a comfortably cool day, a good one for working at the repeater site at the top of Mingus at 7900 feet. It was also a day to see what dedicated members and hard workers the MMRG has. The event actually started with a brown bag lunch in the parking lot at the summit of AZ 89-A at 7,000 feet of elevation. After lunch the group caravanned up forest service road 104 to the repeater site. That's when the work began!! It involved raking up broken limbs, pine needles and various other litter. There was a tremendous amount of work involved which is obvious from the photo of Dave's (W7BJ's) trailer which is absolutely loaded with black bags full of debris. After the work was done, the group took a short hike to the edge looking over Verde Valley for a picture session. Rumor has it that Erica Simpson, KF7MAU, kept telling the group to step back a little further. Some members were curious as to whether she has a big insurance policy on husband Dan, AE7IH. Obviously she merely has a good eye for visualizing a scene. That is a prize photo(see below). Thanks, Erica, for helping to position the participants.

These are the people (and canine) involved in the cleanup on July 11:

Bob Sitterley, K7POF	David Hanson, W7BJ
Bob Miner, KA7NPQ	Michael Miner, KA7RGW
Vince Carr, KF7OTB	Dan Simpson, AE7IH
Erica Simpson, KF7MAU	David Arntz, N7NRE
Savannah Arntz, No call sign	Mike Damiani, W7MJD
Sedona The Weimeraner, K9WOF	

An interesting fact: Two of the participants in the Mingus Repeater work detail on July 11, Bob Miner WA7NPQ, and his son Michael Miner KA7RGW, were part of the crew that installed MMRG's second building on the site in the 1980's

Thanks to all who did so much to support the MMRG in this cleanup.



The Mingus Site



The work begins.



A very full trailer and a much cleaner MMRG site!



Superstition SuperFest First Saturday in December

Plans are well underway for this December 5th's Superstition SuperFest hamfest at Mesa Community College in southwest Mesa. Online Main Prize ticket sales can be had by visiting our SuperFest website, which please see for details:

- http://www.superstitionsuperfest.org/sarc_tickets.html

The Main Prize tickets are good for these prizes, and you need not be present to win:

- First Prize - Icom IC-7100 mobile radio, HF/6m/2m/70.
- Second Prize - Kenwood TM-V71A dual-band, VHF/UHF.
- Third Prize - CS-750 UHF analog/digital DMR portable radio.
- Fourth Prize - Diamond X50A dual band UHF/VHF base antenna.

The Hourly drawing is on a different ticket, and you must be present to collect your prize. Full details, plus any updates, are on the site.

Club Meeting will be shortened

We will be offering the Minutes and Treasurer reports in printed form at the front of the meeting room, rather than taking up time to recite them in our General meeting, leaving time for us to discuss things and to go to an early break. There will be more time for guest presentations.

73,
Larry, WB7C

ADAW

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Superstition Field Day on the Rim

This account is taken from the club's July Communicator newsletter and oral reports of our operation on the Mogollon Rim, 30 miles north of Payson and a couple miles off the highway along FR300.

We had a great turnout, with 16 to 18 operators and some 35 people overall, according to the report given to the Communicator by President Steve, KB7KWK. Using the callsign K7K, we worked several phone and CW contacts, and I know Brian, W7JET was one of the CW operators.

It was more productive to hang out on one frequency, calling CQ than to tune around and answer others' calls. However, it requires someone to call CQ and someone else to be tuning around to answer them for this to work successfully! And it is important to keep that frequency busy, calling CQ, otherwise it's in use by someone else. We operated contest-style and turned in a log.

More information about our results will be heard in the July meeting. Come on out and learn more.



Photos courtesy Steve, KB7KWK.
Photography by Judy, K7JLF.

ADAW



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

No Report This Month.



Public Service Calendar

EVENT	LOCATION	DATE
Barn Burner Mtn Bike Race	N of Flagstaff / Kaibab & Coconino NF	08/29/15
Mogollon Monster	Payson Rim Area	09/26/15
Tour de Scottsdale	Scottsdale	10/11/15
Y Race Phoenix (YMCA Half Marathon)	Phoenix South Mountain Park	10/17/15
Javalina Jundred	McDowell Mountain Park	10/31-11/1/15
JROTC Lake Pleasant	West of Lake Pleasant	10/31/15
ADA Step Out for the Cure	N Phoenix Baptist Church, Central & Bethany	11/07/15
Heart of Arizona	Congress	11/07/15
Xterra San Tan Park	San Tan Regional Park	11/08/15
JROTC First Water	N of Apache Junction	12/05/15
Fiesta Bowl Half Marathon	Scottsdale Civic Center	12/13/15
XTERRA - White Tanks	Waddell	01/10/16
JROTC Lake Pleasant	W of Lake Pleasant	01/30/16
Runner's Den Pancake Run	E Phoenix, Paradise Valley Mall	02/07/16
XTERRA - McDowell Mountain	Fort McDowell Regional Park (Fountain Hills)	02/07/16
Black Canyon 100K	Dewey to New River	02/13/16
Lost Dutchman Marathon	Apache Junction	02/14/16
JROTC First Water	N of Apache Junction	02/27/16
Mesquite Canyon Trail Run	White Tanks Regional Park (Waddell)	03/12/16
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 Park, Downtown Phoenix	04/09/16
Zane Grey 50 Highline Trail Run	Payson Area	04/23/16

Superstition ARC Repeaters

47.120 MHz (+) (162.2 Hz) Usery Pass (NE Mesa)
 Links EchoLink
 448.275 MHz () (100.0 Hz) Usery Pass (NE Mesa)
 (NEW, 2015!)
 449.600 MHz () (100.0 Hz) Local (NE Mesa)
 EchoLink: KB7KWK-L node #538499 - 147.120
 Usery Pass full time

Club Nets

On the 147.120 & KB7KWK L Echolink or 449.600
 (147.120 and 449.600 will be linked when move to Usery is complete)
 Drive Time Net: MF, 7:00-8:00 a.m. (Featuring Trivia)
 Club Net: Wednesday, 8:00 p.m. (Featuring club information and AR Newslines)
 East Valley Swap Net: Thursday, 7:30 p.m.
 National History Net: Thursday at 8:30 p.m. (Quizzes you on National History)
 Independence Day Net: Every July 4, Noon (Reading the Declaration of Independence)
 10-Meter Net: Thursday 8:00 p.m., 28.465 MHz USB

Club Membership is open to anyone with an interest in Amateur Radio. Send email to: membership@SuperstitionARC.org

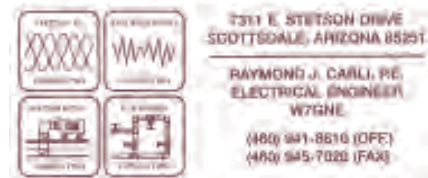
Hamfest

The club Hamfest is the first Saturday every December. See SuperstitionSuperFest.org for the latest updates.

To sign up for Public Service Event: www.mcecg.net

For information, contact Dennis Bietry - KE7EJF at 602.274.3732 - email, ke7ejf@cox.net, or contact the Event Coordinator for the event.

R.J. CARLI ENGINEERING CORP



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

License Testing Information

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

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

August Test Sessions

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

Oro Valley Police Sub-Station, Walmart Shopping Ctr Park Rear,
Oro Valley
Contact - James Garrity licensing@tucsonhamradio.com

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

DeVry University, 2149 Dunlap Ave, Phoenix
Contact - David Morrill 923.680.5011

Aug 3rd - AARC & WVARC -- 8:00 PM

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

Aug 6th - CARBA -- 7:00 PM

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

Aug 7th - Yavapai ARC -- 9:00 AM

Jeep Possee Bldg in Pioneer Park, 1800 Commerce Dr, Prescott
Contact - Donald Bauer 928.775.4690
Must Pre-Register Online at www.w7yrc.org

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

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

Aug 12th - 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.

Aug 17th - East Valley VE Team -- 6:00 PM

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

Aug 22nd - Arizona ARC -- 7:00 PM

Call for location and directions
Contact - Gary Hamman 602.996.8148
No Walk-Ins - Pre-Registration Required by Friday Night

Event Calendar

11 - 13 September 2015 - **HAMCON 2015 - 2015 ARRL Southwestern Division Convention** will be held at the Torrance Marriott South Bay Hotel located at 3635 Fashion Way in Torrance, CA. See flyer for details.

17 October 2015 - **CopaFest** - hosted by the Maricopa Amateur Radio Association will be held at 16000 Maricopa Road in Maricopa. Hours are 7:00 AM to 3:00 PM. Set up at 5:00 AM. Free admission. Commercial Spaces - \$10 for 2 spaces (additional space \$5 each). Commercial Vendors Pre-Register at fest@copahams.org. ANSR Balloon Launch, GOTA Station, VE Testing, Seminars, ARRL Card Checking, Hourly & Grand Prizes. Food, Drinks and Entertainment at UltraStar Center. Special Event Station - W7M. Talk-In: 145.210 -600 (162.2 Pl) or 449.125 -5 (136.5 Pl). For more information, visit the website at <http://www.copahams.com>.

23 - 24 October 2015 - **2015 Arizona State Convention/ Mohave ARC Hamfest** - hosted by the Mohave Amateur Radio Club will be held at the Mohave County Fairgrounds, 2600 Fairgrounds Blvd in Kingman. Vendors & Exhibitors - Tailgating & Swap Meet - License Testing - DXCC Card Checking - Prizes - On-Site RV Camping. Admission: \$5.00. Talk-In: 147.240 (Pl 123.0). Contact Bill Smith at 9283303.9857 (email bill_1021@gmail.com) or Kevin Walsh at 928.514.4237 (email kd7hve@msn.com).

7 November 2015 - **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.

7 November 2015 - **Oro Valley ARC Hamfest** - Hosted by the Oro Valley Amateur Radio Club will be held at the Marana Middle School located at 11285 W Grier Rd in Marana. Visit the web site at www.tucsonhamradio.com/hamfest for more details.

14 November 2015 - **HARKFEST Tailgate Hamfest** - hosted by the Hassayampa Amateur Radio Klub will be held at the North Ranch Escapees RV Park, 30625 S Highway 89 in Congress. Hours are 8:00 AM until 12:00 Noon. Free Admission - Free Tailgate Space (pre-registration required) - Overnight Camping with Full Hook-Up or Dry (pre-registration required at www.escapees.com/parking/congress) - Free VE Testing - Prizes - Arts & Crafts Show - Lunch Available beginning at 10:30 AM.

5 December 2015 - **Superstition SuperFest 2015** - hosted by the Superstition Amateur Radio Club will be held at Mesa Community College located at W Southern Ave in Mesa. Hours are 7:00 AM until 2:00 PM. Activities include: VE Testing - Register at 8:00 AM, Testing at 9:00 AM. ARRL Card Checking. Special Event Station commemorating the USS Arizona. GOTA Station, Fox Hunts, Food, and Drinks will also be available. Admission is \$5 with under 12 free. Tailgate - \$10 per space (includes 2 admission tickets). Visit the web site at www.superstitionsuperfest.org for all the details.

SCOTTSDALE AMATEUR RADIO CLUB, INC.



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

Field day is over for another year and I am already looking forward to next year. We had a terrific time this year with a lot of participation. At least four new club members made their very first HF contacts. We were operating four delta at an air-conditioned ham shack with plenty of food and beverage. We had an R7 and R9 vertical antennas, two multi band dipoles and a special 20-meter dipole for Terry's PSK-31. Everything worked well and everyone had a ball. Here are a few pictures and there are many more on our web site. scottsdalearc.org



This is the ham shack where the event took place. The time is almost 11:00 on Saturday. In the foreground is Nick Perysian KG7EQC, at the PSK 31 station. From left to right, Ed Nickerson WU7S at the CW station, Myrna Cross, KN7M, Judy Jensen, KE7IXI, Alan Jensen, KE7FSD at the 40 meter phone station and in the middle is Erv Heimbeck, K00TZ, at the 20-meter phone station.

During the course of the event many others occupied these stations and had a great deal of fun. For the newer hams it can be a little scary the first few contacts but that quickly disappears and they become old hands at it. There is always one of the "OLD" guys around to ask questions and to offer advice and, of course, accolades.

SARC CONSTANTS:

SARC is a 501 (c)(3) club. That means all donations are fully tax deductible. Contact Paul Finell, W7EFQ at 602.741.6563 for information on estate donations and equipment pick-up.

For membership information, call Gerald Jacques, KE7GYM 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

SARC Continued from Previous Column



Here we have Walt Schuknect, N7IZM at the phone station and in the back is David Yee, N7AJR and Myrna Cross, KN7M



And what would Field Day be without a master Chef like Jerry Jacques, KE7GYM? We all had a terrific time this year thanks to the many guys and gals that helped with the antennas, the food and the operating.

That's all I have for now. Keep hamming and be well.

73, Ed WU7S
Secretary

ADAW

Want Ads

Wanted - Rohn 25/45 gin pole.

Contact Ray, W7GNE - Home: 480.998.1893



Emergency Communications Since 1961

SHORT SKIP

EMERGENCY PREPAREDNESS NET

Date Line May 29, 2015.

Ed, WA6PNJ, lead us through an interesting and informative net. Topics included:

- Emergency 12 volt swamp cooler.
- How EMC affects generator, electronic equipment and the grid.
- Water reuse and power conservation
- Various battery types on the market

Along with regular gang we welcomed some new voices on the net or new to me. Don, KG7SUV might demo his home made low voltage portable swap cooler at this Monday's meeting. Dave, KG7NCV and Chuck, KF7MZP shared their successes in water and electrical power conservation. Someone (sorry missed the call) explained how he slowly upgraded his solar and battery storage system by upgrading the system with the money saved on his power bill, making it priceless and painless. Great idea, I can afford that!

73 de Ray, W0IVB.

The Emergency Preparedness meeting is at the Boswell

New Members

Roxanne Grona N6XCA
Stephen Zedalis



Hanging out on the HF bands

HF is alive and well with the summertime propagation with us again. Twenty meter Gray Line (the sunrise and sunset lines as they cross the globe) seem to be the best bet for propagation into Europe and the South Pacific from here. Europe in the mornings and the South Pacific in the evenings and even into the later hours. But other openings are happening as well. So don't be shy about turning on the HF rig and take a listen.

I like late evenings best (after 9:00 p.m.) as the east coast stations are in bed, which gives us here a better chance of being heard. I find DX stations calling for west coast stations quite a bit (they seem to consider "7's" as west coast). I use a DX spotting network (www.dxwatch.com) to help with spots and it comes in handy when the bands are crowded.

Last week, I became involved in a three way round table with a W7 in Washington State and some friends of his in New Zealand. I got a 59 from the Washington station and from the ZL2 station as well. With an attic beam pointed north and my 500 watts, if I can do it, almost anyone can. Longer wire antennas with modest power levels are getting good reports from DX stations as well, so that may be worth a try if you don't have a tower and beam.

Have fun.

Richard, W7MDQ



Test Sessions Report

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.

DeVry University Test Sessions

The next exam session is Saturday, July 4th, 2015. Exams start at 9:00 AM and all tests must be concluded by 11:00 AM.

Ten candidates were examined at the June 6th session at DeVry with six Technician Class, three General Class, and one Extra Class licenses being earned.

Administering VEs were:

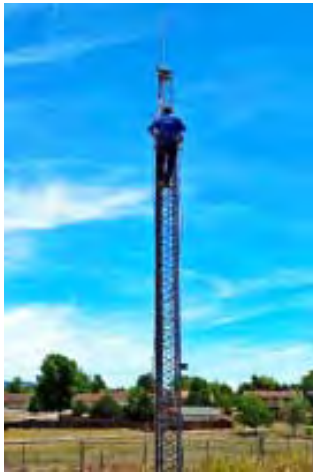
David Morrill N7TWT Liaison, Bill Martin AI0D, Robert Miner KA7NPQ, Daniel Ford K2LH, Michael Miner, KA7RGW, and Joe W0SLI and Verdamae KF7UJB Cutitta.

Antenna Project in Prescott Valley, AZ

We still have a problem and have to go back. Hopefully this should be our last trip. This is a four element Steppir with a 32 foot boom.

73,
Jerry W7JIF

Pictures of Lou W7HX antenna project in Prescott Valley, AZ



We are ready to hoist it up.



After a lot of huffing and grunting we have it up.



Lou W7HX, Ken WB6MMV, Jerry W7JIF
All finished. Time to relax.

WVARC Upcoming Club Programs

September

We will have the section manager involved with the State ECO.

October

We will have talk about MARS (Military Auxiliary Radio System) and Vietnam.



Coming in November – Code Talkers

We are scheduling a special guest speaker, Laura Tohe, daughter of Code Talker Benson Tohe, has compiled an insightful oral history with many stories never previously told.

Laura Tohe is Diné (Navajo). She was born in Fort Defiance, AZ, is Tsenabahi nii (Sleepy Water People clan) and born for the Tódíich'íinii (Bitter Water clan). She grew up near the Chuska Mountains on the eastern border of the Navajo Reservation and attended both boarding schools and public schools in Albuquerque.

You can read more at:

<http://indiancountrytodaymedianetwork.com/2014/07/04/code-talker-stories-penned-daughter-love-155311>

ADAW

Real Estate

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

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



Old Pueblo Radio Club INTERMOD

President's Column

On Summer Break. See you in September!

TBARC had great participation for Field Day. At least 35 members and guests took the trip up to Flagstaff. We were hoping for cooler weather, but the humidity kicked up a little bit. That didn't slow us down! Once again we ran an all-Flex Field Day operation. Chris K6OZY was even able to score us some cool Flex swag to take home as a souvenir.

Band conditions were not amazing, but our antennas were! This year we operated as 4E, so we could make use of the antennas already installed in Jack's cottage. Right as we started, Rick K7TEJ got on top of 20 meters and called CQ for at least an hour straight. By the end of Saturday we were missing possibly 15 sections - the rest were in the log. Warren NU7R, our erstwhile treasurer came down from Colorado; it was great to see him again as well. All in all, Field Day was a blast!

The TBARC Tuesday Night net may be seeing some changes. Wayne W6IZK has stepped up as net manager, and he's got some ideas on how to improve the format. Look for him to start in September (he's avoiding the Phoenix heat in July and August). In the meantime, why not see what it's like? Join the net on Tuesday nights at 19:30 on any TBARC repeater.

The CW class that Chuck Adams K7QO was teaching has finished. Another group of hams has been studying their dit-dah, dah-di-di-dit, dah-di-dah-dit. Thanks again Chuck for keeping CW alive and passing the skills on!

One of our board members, Bill Jordan KG7NBE unfortunately had so much come at him that he felt he couldn't give his full attention to the TBARC board. The executive regretfully accepted his resignation. Luckily, Joe Arnold AD0X was able to step in to fill the position. Thanks, Joe! Best wishes to Bill, and thanks from all of us for the contributions you have made to the club!

Have you been to a TBARC meeting? Even in the heat of the summer, we stay active! 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.

For August, we're talking Test Equipment. Darren AF7CO will present his favorite test gear, and Dave AD7JT will introduce the SNAT. What's the SNAT? Join us and find out!

Andrew Cornwall
KF7CCC
kf7ccc@arrl.net

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
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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.

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- V+U/V+V/U+U operation • V+U full duplex • Cross Band repeater function • 50W 2M 35W UHF • 1000+ memory channels • WIRES ready

Call Now For Low 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 mem per band

FT1DR C4FM FDMA 144/430 5W Digital Xcvr

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Also Available in Silver!

VX-6R 2M/220/440 HT

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New Low Price!



VX-8DR

- 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

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September 11-13, 2015

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See what's new under the Sun at the largest ham radio convention in the Southwestern United States:

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- Emergency Communication
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- Technical Topics
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65-booth Vendor/Exhibitor Hall

See and purchase the latest in ham radio equipment, speak directly with many manufacturers and retailers.

MEET
FELLOW HAMS
FROM ACROSS THE
SOUTHWEST.

Early-bird registrations get free patch or pin with distinctive convention logo, shown above.

Other things you can do at HAMCON 2015:

Operate ARRL station W1AW/6, participate in a "Fox Hunt," get initiated in the ARRL Wouff Hong, inspect emergency communication vehicles of area government-affiliated amateur radio groups, ARRL QSL checking, get licensed or upgrade at VE session.

Visit <http://www.hamconinc.org/> to register online, download a registration form, make special-rate hotel reservations, or get updated convention program information. Early-bird registration ends August 1, 2015.

HOTEL INFORMATION



The Torrance Marriott South Bay Hotel

3635 Fashion Way, Torrance, CA 90503

Our convention site is one of the area's top hotels. A special discounted \$119 per night rate (including free in-room high-speed internet and discounted \$5 per night parking) is available to HAMCON 2015 attendees. Online reservations at this special rate can only be made through Marriott's link on HAMCON's website, www.hamconinc.org then click on Hotel Reservations in the Main Menu. Or call Marriott at 1-800-228-9290 and say, "HAMCON Convention." Act now: This special rate is only available for reservations made by Aug.15, 2015.



17 October 2015

CopaFest 2015

Hosted by the Maricopa Amateur Radio Association, Inc.
16000 Maricopa Road, Maricopa AZ

Click [HERE](#) for map

Hours: 7:00 AM to 3:00 PM

Admission - Free

Spaces - Commercial \$10.00 for 2 spaces (additional space \$5.00 each)
Commercial Vendors Pre-Register by Emailing fest@copahams.org
Set up at 5:00 AM Saturday

Talk-In: 145.210 – 600 KHz (162.2 PI) or 449.125 – 5 MHz (136.5 PI)

Special Event Station – W7M,

ANSR Balloon launch, GOTA Station, Interesting seminars, VE Testing, ARRL
Card Checking, Hourly and Grand Prizes, Food, drinks & entertainment available
on site at UltraStar Center.

Visit the Web Site at <http://www.copahams.com>
520-222-7311
voice or text

2015 Arizona State Convention



Kingman Hamfest Kingman, Arizona Oct 23rd & 24th, 2015

Mohave County Fairgrounds
2600 Fairgrounds Blvd, Kingman, Arizona

www.kingmanhamfest.com

Check the Website for Additional Information

Vendors & Exhibitors

Tailgating / Swap Meet

License Testing

DXCC Card Checking

Door Prizes

Raffle for Grand Prizes

On-Site RV Camping

\$5.00 Admission

More info to be announced soon!



The Kingman Hamfest is an American Radio Relay League (ARRL) sanctioned event.

We are proud to have the Amateur Radio Council of Arizona (ARCA) as a sponsor of our event.



Presented by the Mohave Amateur Radio Club

Contact: Bill Smith bill_1021@gmail.com 928-303-9857

Kevin Walsh kd7hve@msn.com 928-514-4237

ORO VALLEY ARC



HAMFEST

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

Great Fun!
Great Food Truck!
Great Raffle Prizes!
VE Session
Interesting Seminars!

November 7, 2015
Marana Middle School
11285 West Grier Road
Marana Arizona 85653

Mark your calendars.
Details to be announced

Send questions to hamfest@tucsonhamradio.org This email address is being protected from spambots. You need JavaScript enabled to view it.

Talk in on the [OVARC Repeater System](#)

Per AZ State Law, no smoking or firearms are permitted on school property including parking areas.



HARKFEST Tailgate Hamfest

Presented by HARK (Hassayampa Amateur Radio Klub)

Sponsored by RFStuff

Nov. 14, 2015

8 am - Noon

North Ranch Escapees RV Park

30625 S. HWY 89, Congress, AZ 85332

(GPS 34 06.292 112 49.880) MM 263.8

ARRL Card Checking

Free Admission, Free Tailgate Sites (pre-registration required)

Register at n0daj1950@gmail.com

Overnight camping (full hook-up or dry camping) available

(pre-registration required at www.escapees.com/parking/congress)

Tailgating allowed at campsite

LARC (free) VE Testing, 9am in the Club House (Blue Room)

Main Prizes: Grand Prize, Kenwood TM-V71A Dual Band Transceiver

Second Prize, Tram 1480 8ft Dual Band Antenna

(supplied by RFStuff)

Tickets \$1 each, 6 for \$5, 15 for \$10

Drawing at Noon

Door Prizes

Vendors

Talk in on 146.620 (pl. 162.2) or 146.580 (simplex)

Arts & Crafts show(Activity Center) 9 am - 2 pm

Lunch available, served by the "North Ranch Busy Bakers"

(beginning at 10:30 am)

Superstition Amateur Radio Club SuperFest 2015



DECEMBER 5, 2015 - 7:00AM - 2:00PM
MESA COMMUNITY COLLEGE
1833 W Southern Ave, Mesa, AZ 85202



GRAND PRIZE RAFFLE



- 1ST Prize - Icom IC-7100 HF/6m/2m/70!
- 2ND Prize - Kenwood TM-V71A!
- 3RD Prize - CS-750 DMR/UHF HT!
- 4TH Prize - Diamond X50A UHF/VHF base antenna!

- Tickets \$2.00 each / 3 FOR \$5.00
- Presale Tickets Online @ http://www.superstitionsuperfest.org/sarc_tickets.html
** Need not be present to win **

HOURLY PRIZE RAFFLE

- Tickets \$1.00 each or 6 for \$5.00
- Available on the day of the event only, ** Must be present to win **

ACTIVITIES

- VE Testing - \$15.00 Fee, Registration 8:00 - 9:00, Testing Starts @ 9:00AM
 - Participants Must Pre-Register for testing at the times listed
 - Bring The Appropriate Information With You For Testing, Information May Be Found On The ARRL Web Site @ <http://www.arrl.org/what-to-bring-to-an-exam-session>
 - For Additional Information or Questions Contact Fred Bollinger, AB7JF @ 480-242-8606
- ARRL Card Checking Available
- Special Events Station - K7A Commemorating The USS Arizona
- Gota Station - Make Contacts Around The World With An Experienced Extra Class Operator
- Fox Hunt
- Food and Drinks Available

Tailgaters/Commercial Vendors

- **Tailgate** - \$10.00 includes 2 spaces and 2 paid admissions, set up time 5:00 am Saturday morning
- **Commercial Vendors** – Set up time begins 6:00 pm Friday evening. Contact our committee chairman @ chairman@superstitionsuperfest.org for more information

Event Admission

- \$5.00 per person, children 12 and under free includes one hourly drawing ticket.