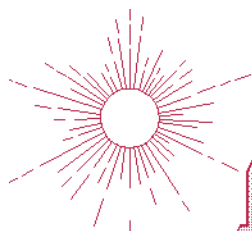


ADAW
4529 W. Park Place
Glendale, AZ 85306-1512



Happy Valentine's Day



ADAW

Arizona Desert Aire Waves

Vol 39, No 2

February 2014

ARE YOUR DUES CURRENT?

Check Your Club's Listing
on Page 2 & 3 for Information.

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

CLUB MEETINGS SCHEDULE

SARC
Feb 5th
Scottsdale Senior Center
7:00 PM

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

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

TBARC
Feb 20th
Thunderbird School
of Global Mgmt
7:00 PM

CARL
TBA
AZ Science Center

ARDG
Every Wednesday
Phoenix Country Day School
11:10 AM

QCWA
March
Tucson Area
12:00 PM

WVARC
Feb 3rd
St Clement Catholic Church
Social Hall
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. in the Red Cross Building, located at 6135 N. Black Canyon Hwy., Phoenix (N. of Bethany Home Rd., E. side of Freeway on frontage Rd.).

President	Gary Hamman	K7GH	602.996.8148
Vice President	George Cooney	KQ7C	
Secretary	Leslie Hickey	N5LDH	602.246.4303
Treasurer	Bob Hodges	K7JJT	602.274.1647
Red Cross Liason	Larry Penrod	AC7FC	602.955.0349
ARCA Liason	Dick Baum	NS7A	602.870.1135
Membership	Bob Hodges	K7JJT	602.274.1647

AARC c/o Bob Hodges, K7JJT, 1432 E Colter St., Phoenix, AZ 85014-3011. 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 147.78/1.18 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	Louis Schmitt	NQ7I	
	Alan Jensen	KE7FSD	
	Judy Jensen	KE7IXI	
	Stephen Thomas	KE7TLS	
	David Yee	N7AJR	

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.

QUARTER CENTURY WIRELESS ASSOCIATION CHAPTER 16 - BARRY M GOLDWATER ARIZONA CHAPTER

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.

President	Douglas Besemer, K0VPL
	motoman1@aol.com
Vice President	Bill Martin, AI0D ai0d@hotmail.com
Sec/Treasurer	Robert McCuskey, W7BV
	mccuskey@email.arizona.edu
Webmaster	Robert Smith, WB6ODR
	lrsmith@cableone.net

AZ QCWA, Robert S. McCuskey, W7BV, Email: mccuskey@email.arizona.edu. DUES: \$7.00/year and current national QCWA membership. Web Site: <http://azqcwa.org>

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

ADAW MEMBER CLUBS

THUNDERBIRD AMATEUR RADIO CLUB

The Thunderbird Amateur Radio Club meets the **THIRD THURSDAY** of each month at 7:00 p.m. at Thunderbird School of Global Management located near 59th Ave. and West Greenway Rd. (Enter at the light at Country Gables and 59th Ave. The meeting is held in Building 107, Lecture Hall 54. Map may be found on the web site at www.w7tbc.org.)

President	Gary Duffield	WK7B	602.843.7724
Vice President	Chris Johnson	K6OZY	623.866.2777
Secretary	Jack York	KE7VOU	602.318.7530
Treasurer	Warren Gaspar	NU7R	602.796.6319
Directors:	Andrew Cornwall	KF7CCC	
	Brian Stembridge	N7BES	
	Rick Tejera	K7TEJ	
	Jim Moore	WB7ENX	
Past President	Walt Reinert	N7GDP	602.938.8219

For further information about the ThunderBird Amateur Radio Club, send an e-mail to: info@w7tbc.org or call 602.843.7724..

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	KG7EBO	602.614.0850
Vice-President	Will Weiss	KG7FFV	480.789.9932
Secretary	Nathan DeRueda	KG7GLB	480.582.8575
Treasurer	Sahil Rawal	Pending	623.606.0258
Chief, Emergency Communications	Sarah Dailey	KG7GJI	480.286.3026
Chief, Research and Development	Sage Druch	KG7EQB	602.256.7997
Sponsor	Jesse Munch		

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

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 Denney's, 1121 Grand Ave., in Youngtown. Club nets are held on 147.300 (tone 162.2) at 9:00 AM daily and Monday - Thursday at 8:00 PM. A weekly breakfast is held on Thursdays at Lou's Trivoli Gardens, 12535 W Bell Rd., at 7:00 AM.

President	Ken Peloquin	N7PHO	623.980.7282
Vice-President	Ted Walker	KB5OF	623.910.9275
Secretary	Verdamae Cutitta	KF7UJB	623.872.3844
Treasurer	John Siepmann	N9NA	623.544.5295
Membership	Ted Walker	KB5OF	623.584.9113
Club Directors:	Rosemary Kydd	N7PLN	623.980.7282
	Robert Fairfield	K7RQN	623.566.2320
	Joe Cutitta	W0SLI	623.215.2226
	Ken Jenkins	WB6MMV	623.584.9113

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>.

From the Editor's Desk

Wow, can't believe it's already going into the second month of 2014. Time certainly moves quickly.

Did you get to attend the Thunderbird Hamfest? It was great! The weather was a little chilly early in the morning, but it warmed up nicely with the sun. The parking lot where they held the event was nearly full. Coffee, tea, hot chocolate, sodas, donuts, and breakfast burritos were available for all the hungry participants. There was a myriad of tailgaters, vendors, exhibitors, clubs and organizations in attendance. What a wonderful event. If you missed it, you missed a really good one.

Next year's Thunderbird Hamfest will be held at a new location according to club officials. Information on the date and location will be brought to you as soon as it is available. So, keep your eye on the ADAW Event Calendar.

The next hamfest in Arizona is the Yuma Hamfest held at the Yuma County Fairgrounds in - you guessed it - Yuma, AZ. The dates are February 14 & 15. There will be the usual tailgaters, vendors, seminars, talks etc. Their Buzzard Barbecue on Saturday night is one of the best around, so don't miss that. Unfortunately, tickets to the barbecue are not available early, so you need to get them at the event. For more information, visit the club web site at www.yumahamfest.com.

The West Valley Amateur Radio Club is holding their annual auction on February 3rd at St Clement Catholic Church on Del Webb Blvd in Sun City. See the Event Calendar of page 5 for more information on how to participate.

That's all for now. Hope everyone has a wonderful Valentine's Day!

73, Chris, N7PVL

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SCOTTSDALE AMATEUR RADIO CLUB, INC.



Club Station: WA7APE
Club Repeaters: 147.78/.18 & 445.00/440.00

Hi Everyone,

Our club meeting was held on the second Wednesday of January instead of the first, because of the Holiday conflict. We will have the same conflict this year with the Christmas and New Year's holidays. However, the meeting was well attended despite the date change. The program for the evening was a presentation by David Ray AC7UB on the Raspberry Pi computer. This very small computer is available at low cost and has great potential in many areas of ham radio. David gave us an overview of the operation of the unit and some of the possible uses. These small computers were designed as an educational element to teach school children about computers. This looks like a fun device to experiment with. Great program David.

It wasn't that long ago that I worked with my first computer. I was in the Navy in 1959 and we had an IBM computer on the ship to work with our new missile system. The memory system for this computer was housed in two 40-foot long trailers. The whole system probably weighed many tons. This miniature computer uses a SD card that probably has more storage than the entire system we had in 1959. This makes you wonder what the next 50 years will bring. Did I say 50 years? How about 5 years.

The February program has not been confirmed at this time, but we are working on a 2-meter portable EME program.

With all of this mild weather we are having I hope you are all taking advantage and repairing those rotors and other outside antenna malfunctions. My rotor needs a new cable. It has been on top of my tower since 1987 and the insulation on the old cable is crumbling. At least one of the wires has come loose and the rotor is locked in the East position. I am going to replace the old cable this week end and hope that is the only reason for it not to work. I will let you know if I guessed right.

There is a really good reason to get my equipment in top condition. This year is the 100th anniversary of the ARRL and they are sponsoring a Centennial QSO Party. This contest began January 1, 2014 and will end December 31, 2014. During this year, a portable W1AW will be on the air from every state at least twice. If you work W1AW operating portable from all 50 states, you will have earned a special W1AW WAS certificate and plaque. There is also an endorsement for working US Territories such as W1AW/KH2 or W1AW/KP2. This sounds like a lot of fun. The sun spots have been up lately and some of the guys have already made some W1AW contacts.

While I am on the subject of HF radio, I would like to mention something about the band propagation. Several times, while I have been listening around to see what the band conditions are

like, and the band is very quiet, I send out a QRL? to test the band. Low and behold someone comes back and we have a nice qso. Maybe a lot of you guys have done the same thing. If you are just listening, and so is everyone else, the band is going to be pretty quiet. Next time you are on and there doesn't seem to be anyone else on, you might try this and be surprised at what happens.

Our hamfest committee has been working on the arrangements for the Spring Fest which is coming up fast. The date for the hamfest is Saturday, March 15, 2014. This year it will be held at the Mountain Valley Community Church, 17800 North Perimeter Drive, Scottsdale, AZ 85255-5449. There will be all of the usual hamfest attractions, flea market, refreshments, door prizes and grand prize and VE testing. We are looking for a lot of help from you club members to make this the event of the year. If you can help for at least an hour or so, you can attend the hamfest for free. To sign up to help, be sure to sign the work sheet at the March club meeting.

We have our regular Tuesday night net at 7:00 P.M. on 147.18 (PL 162.2) and 440.00 (PL 100). This is a general conversation net and everyone is welcome. This would be a good time to try out that new HT you got for yourself at Christmas. The net control operator usually has some kind of question for the check-ins. You do not have to answer the question and they are never too technical. Even I can answer them. This is also a good place to let everyone know they are still alive and well. And if you would like to try your hand at being net control, we can surely accommodate you.

Well, that is all I have for now. I hope you are all well and looking forward to a great year of hamming.

73 Ed WU7S
enickerson427@aol.com

ADAW

SARC CONSTANTS:

SARC is a 501 (c)-3 club. That means all donations are fully tax deductible. Contact Paul Finnell, 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.

To field check QSL cards for most ARRL awards, call Ed Nickerson, WU7S at 480.949.5162.



Event Calendar

3 February 2014 - **WVARC Annual Auction** - hosted by the West Valley Amateur Radio Club will be held at St Clement Catholic Church Social Hall, 15800 Del Webb Blvd in Sun City. Bring items between 4:30 and 6:00 PM. View items from 6:00 PM - 7:00 PM. Auction begins at 7:00 PM. For information, call Ted Walker, KJ7V at 623.910.9275.

14 - 15 February 2014 - **Yuma Hamfest** - hosted by the Yuma Amateur Radio Hamfest Organization will be held at the Yuma County Fairgrounds in Yuma. For more information, visit the website at www.yumahamfest.com.

15 March 2014 - **SpringFest** - hosted by the Scottsdale Amateur Radio Club will be held at Mountain Valley Community Church, 17800 N Perimeter Drive in Scottsdale. Hours are 6:00 AM till 12:00 PM. Overnight RV's are welcome. Refreshments and VE Testing will be available. Web Site: <http://scottsdalearc.org>. Watch for updates

29 March 2014 - **RST Spring Hamfest** - hosted by the Radio Society of Tucson will be held at the Golden Corral Restaurant, 4380 E 22nd Street in Tucson. Hours: 6:00 AM to 1:00 PM. RV Parking, Vendors, Grand Prize, VE Testing. Free Admission - Vendors \$10 per parking space. Donuts, coffee and tea available. Restaurant opens at 9:00 AM. Talk-In: 146.80- PI 156.7. For more information, visit www.k7rst.org.

12 April 2014 - **April Hamfest at DeVry** - hosted by the Arizona Amateur Radio Club and the Amateur Radio Council of Arizona. Date and location tentative until confirmed. Watch for updates.

3 May 2014 - **Cochise Hamfest and 7th Region Communications Exercise** - hosted by the Cochise Amateur Radio Club will be held at the club site, 2756 Moson Road in Sierra Vista. Hours are 6:00 AM until 1:00 PM. Watch for more details.

7 June 2014 - **White Mountain Hamfest and Swap Meet** - hosted by the Kachina Amateur Radio Club will be held at Show Low City Hall, 180 N 9th Street in Show Low. Hours are 8:00 AM - 12:00 PM. Prizes, ARRL Booth (with card checking), VE Testing, Arts & Crafts, Demo's & Displays. Vendors/tailgaters - \$5.00 per space. Free dry on-site camping on Friday, June 6 after 5:30 PM. Talk-in 145.310 PI 110.9. For more information, contact Jim Mortensen at W7AZY@arrl.net

18 - 20 July 2014 - **ARCA/Williams Hamfest and ARRLAZ State Convention** - hosted by the Amateur Radio Council of Arizona will be held at the Williams Rodeo Grounds, 800 Rodeo Road in Williams. Gates open at 5:00 PM on Thursday, 17 July for set-up and camping. Event runs from dawn to dusk Friday, 18 July and dawn to 3:00 PM Saturday, 19 July. Trip aboard the Grand Canyon railroad on Sunday, 20 July. Watch for updates.

12 - 14 September 2014 - **2014 ARRL Southwestern Division Convention** - hosted by SANDARC will be at the Sheraton Four Points Hotel, 8110 Aero Drive in San Diego, CA. Talk-In: 146.32 (PI 107.3). Web Site: <http://sandarc.net/convention2014>. Contact: Paul Rios, KC6QLS at 619.334.0441 (email - kc6qls@cox.net).

Public Service Calendar

EVENT	LOCATION	DATE
Xterra Trail Run	McDowell Mt Park	02/02/14
Runner's Den 10K	East Phoenix	02/09/14
	Paradise Valley Mall	
Black Canyon Trail 100K	Mayer to New River	02/15/14
Lost Dutchman Marathon	Apache Junction	02/16/14
Ragnar Relay	Multiple Teams	02/21-22/14
	Multiple Routes	
JROTC First Water	North of Apache Junction	03/01/14
ADA Tour de Cure	N Phoenix	03/22/14
	Cave Creek Rd to Loop 101	
Mesquite Canyon Trail Run		03/22/14
	White Tanks Park	
Xterra Trail Run	Black Canyon City	03/23/14
Crown King Scramble	Lake Pleasant	04/05/14
	to Crown King	
Tour de Mesa	Mesa - East Valley	04/05/14
March of Dimes for Babies		04/12/14
	Wesley-Bolin Park, Downtown Phoenix	
Cave Creek Trail Run	Cave Creek	04/19/14
Highline Trail Run	Payson	04/26/14
Barn Burner Mtn Bike Race		09/06/14
	N of Flagstaff on the Kaibab & Coconino NF	
Mogollon Monster	Payson Rim Area	09/27/14
Javalina Jundred	McDowell Mtn Park	11/01/14
Javalina Jundred	McDowell Mtn Park	11/02/14

To sign up send email to: mcecg@yahoo.com
 MCECG on the Web MCECG.ORG for event sign up
 For information on events, join - azhamserve@egroups.com

Jim Pierce, N7QVW - 623.551.1204 - jim@n7qvw.net
 Brian McCarthy, N7TUQ - 623.486.0507 - n7tuq@arrl.net

ADAW



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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, or locations may change. Call test session contact to confirm information. Walk-ins are permitted unless otherwise specified.

February Test Sessions

Feb 1st - OVARC -- 1:00 PM

Oro Valley Police Sub-Station, 1920 Tangerine Rd, Oro Valley
 Contact - James Garrity licensing@tucsonhamfest.com

Feb 1st - Kachina ARC -- 9:00 AM

Linden Fire Department, 6884 AZ Highway 260, Show Low
 Contact - Patrick Sipes 928.242.9757
 No Walk-Ins - Must Pre-Register

Feb 8th - Independent -- 10:00 AM

Maricopa County Sheriff Dept, 3325 W Durango St, Phoenix
 Contact - James Skinnell 602.826.1949
 No Walk-Ins

Feb 8th -- Yavapai ARC -- 9:00 AM

Jeep Posse Bldg in Pioneer Park, 1800 Commerce Dr, Prescott
 Contact - Donald Bauer 602.775.4690
 No Walk-Ins - Pre-Register on-line at www.w7yrc.org

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

Hardesty Multi-Service Center, 1100 S Alvernon Way, Tucson
 Contact - Diane Zimmerman 520.219.0452

Feb 12th - Central Phoenix VE Team -- 6:30 PM

South Mountain Community College, 7050 S 24th St, Phoenix
 Contact - Bill Martin 480.205.3625
 Limited Space, please contact prior to exam

Feb 14th - Yuma ARC -- 9:00 AM

Yuma County Fairgrounds, 2520 E 32nd St, Yuma
 Contact - Robert Spencer revrobert@roadrunner.com
 No Walk-Ins - Must Pre-Register

Feb 15th - Yuma ARC -- 9:00 AM

Yuma County Fairgrounds, 2520 E 32nd St, Yuma
 Contact - Robert Spencer revrobert@roadrunner.com
 No Walk-Ins - Must Pre-Register

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

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

Feb 18th - Boy Scout Troop 127 -- 8:00 PM

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

Old Pueblo Radio Club INTERMOD

President's Column

No Report This Month.



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



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 (480) 945-7020 (FAX)

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.



CHAPTER 16
BARRY M. GOLDWATER ARIZONA CHAPTER

No Report This Month.

ADAW

The Thunderbird Amateur Radio Club is an active club.

2014 began with a new executive board for the club that had some new faces and some old faces:

- President - Gary Duffield, WK7B
- Vice President - Chris Johnson, K6OZY
- Treasurer - Warren Gaspar, NU7R
- Secretary - Jack York, KE7VOU
- Director at Large (2014-2016) - Bryan Stembridge, N7BES
- Director at Large (2014-2016) - Andrew Cornwall, KF7CCC
- Director at Large (2014-2015) - Rick Tejera, K7TEJ
- Director at Large (2014-2015) - Jim Moore, WB7ENX
- Immediate Past President - Walt Reinert, N7GDP

We had our annual Ham Fest on Saturday, January 18 in the parking lot at the Northwest Community Church in northwest Phoenix. We had over 50 vendors and more than 900 attendees, so it was well attended and we've received some very positive feedback - so we count this most recent past Ham Fest as a big success. Additionally, we ran a VE testing session and sixteen applicants walked out with new and upgraded licenses - 7 Technician, 6 General and 3 Extra class licenses were earned.

We had our Monthly General Meeting (third Thursday of the month) on January 16 at the American Graduate School of International Management (Thunderbird) where Steve Scoggins gave us a presentation on installing a Steppir Dream Beam antenna at his home. We learned a lot about both the Steppir antennas, but also about installing an antenna tower at one's home. The January meeting was well attended with over 50 members, new members and guests there. Guests are always welcome at our meetings.

Again, we are an active club. Some of our upcoming activities in the short run are:

1) We have just installed a new repeater at the new John C Lincoln Sonoran site in north Phoenix. We are in the process of linking it to our other two repeaters at John C. Lincoln Hospital North Mountain and John C. Lincoln Deer Valley Hospital.

2) We are running a General Class License Course. Classes will be held Saturday mornings 9:00 a.m. to noon, March 1st through April 26th, 2014, at Thunderbird School of Global Management, 59th Ave & Greenway, Glendale, Arizona. The last session is VE Test.

3) As an ARRL affiliated club TBARC members will get the chance in March to operate as W1AW/7 from their home (or field) QTH during the ARRL's Centennial Year QSO Party. We will get the chance

Continued next column

TBARC Continued . . .

to see what it feels like to be on the hot side of a pile-up!

4) We will continue our practice of having speakers at our monthly meetings giving presentations on various topics of interest in amateur radio. The February meeting will feature Kevin Jacobson, KD7OI, talking about the Ham Microwave World - 10 GHz and Beyond, and March's meeting will feature Mike Logan, KB7IUUV, talking Multi-Band Resonant Antennas in Your Attic. Guests are always welcome at our meetings.

Again, we are an active growing club and we welcome guests at all of our events (hopefully you might consider becoming a member). If you want to learn more about our upcoming activities please visit our web site at <http://www.w7tbc.org>.

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What ham gear or other electronics did Santa bring you this Christmas? That was the question that AARC President Gary Hamman, K7GH, requested members to answer as they introduced themselves at this first meeting of 2014. A few lucky members were able to admit to receiving some electronics, and I proudly displayed my new Heil Gold Elite microphone with which I expect to catch some great DX this year on ten or fifteen meters since one of the switch positions features the HC-5.1 dynamic element which will take my signal out of the bottom of the DX pileups.

After introductions, we approved donating \$500 to the American Red Cross, which has provided a meeting place for our club functions. After our business meeting, we had election of AARC officers for the year 2014. The 2014 slate of officers is as follows:

- President — Gary Hamman, K7GH
- Vice-President — George Cooney, KQ7C
- Secretary — Rosemary Kydd, N7PLN
- Treasurer — Bob Hodges, K7JJT

After the election process we saw some of the photos from the December Christmas party, and that was followed by an excellent program. The program began with excerpts from Bob Heil's video "The Science of Audio." It's one that every amateur radio operator should see. In the video we learned how the human ear "hears" sound and how microphone audio shaping can be adapted to improve the intelligibility of our amateur radio's signal. Bob Heil explains and demonstrates phase and demonstrates how to improve transmitted and received signals with proper connections and equalization. His demonstrations are enlightening because we actually are able to see and hear differences which would not be easily achieved without the setup Bob Heil had at his disposal.

Following the Bob Heil video, President Hamman used an audio generator which had been programmed into his computer to test our ears. How high a frequency can our ears hear? Some stopped working at 5 kHz. Others could hear up to 10 kHz. This demonstration with the audio generator inspired a great deal of discussion, and questions were generated by several members and answered by others in the group. The entire interchange was both interesting and thought provoking. It was a profitable evening for all.

Continued next column



Amateur Radio Development Group

We don't have much to announce this month, but I do have something that I want all radio amateurs to hear.

Ham radio is a tight-knit community and we all have to remember that we are on the same side. For the most part, hams are kind, forgiving and eager to help out. Unfortunately, we sometimes come across those who are unwilling to show courtesy and respect to other hams. I implore all hams to go out of their way to be extra friendly, especially to new hams. We wouldn't be where we are today without a lot of old hams helping a lot of new hams. In general, amateur radio is one of the most welcoming communities there are; let's try to keep it that way.

73,

Benjamin Lee, KG7EBO

ADAW

AARC Continued . . .

We're off to a good start. Top on our list is establishing the exact date for the April hamfest. Traditionally DeVry does not do this before the first of the year, so by the next ADAW we should have that information. We're looking forward to another excellent hamfest followed by a great 2014 Field Day. Happy New Year to all!

73,

Lori Cripps, WA7EDI
(602)955-7517
cripps@cybertrails.com

ADAW



★ West Valley Amateur Radio Club Annual Auction ★

The West Valley Amateur Radio Club's annual auction will be Mon. Feb 3, 2014. It will be at St. Clement of Rome social hall, 15800 Del Web Blvd., Sun City, AZ

Sellers - Please bring your Ham or Ham Related Equipment to the church between 4:30 to 6:00 P.M.

The equipment Inspection is at 6:00 P.M. Auction Begins at 7:00 P.M.

Questions? Call Ted Walker, KJ7V at 623-910-9275

ADAW

TIME TO GET ORGANIZED – AGAIN

A new year - and we wish you a happy, prosperous and Ham-filled 2014. May the propagation Gods smile on us all.

Take the time to pull out your license and check the date. Will your license expire - this year? If so, note the date, count back three months and mark your calendar as the date on which you can enter the FCC web site and ask for a renewal. Sure! You have two years AFTER expiration to do this, BUT, you may not operate during that period. No big deal, but something to watch. And how about checking on a friend or relative. Nice gift to help another Ham who might be a bit forgetful. While you are at it, are you a Technician? This might be the year to move up a grade or two. Big time awaits.

By the time that you are reading this, the C.A.R.L. a.k.a. W7ASC, general meeting will be in the history books. Who knows what great stuff was decided this year? Remind us to cover it in the next News Letter. Perhaps they decided to petition the State for a law requiring all HOA's to waive fees for resident Hams. Skip the issue about antennas and go for the Gold. Or perhaps they became really creative and voted to petition Congress to waive all taxes for licensed Hams whose license is current. How about a law that would require all members of Congress to hold at least a General class license prior to being sworn in. And let's add a Morse proficiency mandate just for Congress. If we have a productive and bipartisan Volunteers' meeting, there is no limit to what can be achieved.

Your faithful scribe learned something new during a recent coordinating meeting with Science Center staff. Some local companies actually contribute to the Science Center based on the Volunteer hours spent there by employees and retirees! This increases the value of every Volunteer hour. These companies are to be commended for having such a great community spirit. This is not the place to name names. But, since you are currently Volunteering, or are surely considering spending some time at W7ASC as an operator, check with your employer (Human Resources Dept.) to determine if they are a part of that group who support W7ASC and the Science Center. Have fun, explain and demonstrate Amateur Radio and contribute to the Science Center budget, all at the same time. Now there is an offer that you can hardly refuse. Call Bob

Continued next column

CARL Continued . . .

(KG7QJ@cox.net) so that you can get in on the fun. And there are benefits that come with all of the above. Bob will explain them. Or visit the Station and discuss all of that in person. Looking for a New Year's resolution that is easy to keep? Here you have it. No diet, no suffering and no remorse. Just good old Ham radio operation and demonstration. AS an added bonus, once you are a Volunteer at the station, you have a voice in all of the details. Want a new Ham hardware or software to be on display and in operation at the Station? Is there an aspect of Ham radio that you love to demonstrate for large groups? If it makes sense at the Station, talk to the Board.

Hope to report on the exciting stuff that was decided at the January General meeting.

73 de Jean Jolkovski W4CIH

And, Yes! I did renew my license. (On line for free!)

WANTED

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.

Wanted - Rohn 25/45 gin pole.

Contact Ray, W7GNE - Home: 480.998.1893

ADAW



Antenna Testing at Wickenburg, AZ

The hospital's Chief Nursing Officer Linda Brockwell has wanted to set up an emergency communications link with Del Webb hospital and Boswell hospital for some time now. On December 19, 2013, a group of amateur radio hams went up to Wickenburg and set up a 10-element 2-meter beam on a temporary hand supported mast aimed SE to Del Webb Hospital and made 5-9 signal after many adjustments to height and direction.

In the coming weeks, we will make another trip to test out a 440 beam antenna.



Ken, WB6MMV front center, Ted, KB5OF rear center
Bob WA6MI on right

Prez Says:

Hope all enjoyed Christmas and the New Year. May it be better than last year?

Remember the West Valley ARC annual auction February 03, 2014 at **St. Clement Catholic Church Social Hall** 15800 Del Webb Blvd, Sun City, AZ

If you know of any programs or speakers that you think would be of interest to the club, please let me know.

Thank you to all new board members, thank you Ted Walker for taking the job of Membership Chairmen.

President, Ken Peloquin, N7PHO



Rich, K7RQN testing a 2-meter J-pole

Test Session Results

Ten candidates took tests at the January 4th VE test session at DeVry.

6 Earned Technician Class license
1 Earned General Class license
3 Earned Extra Class license

Administering VE's were:
David Morrill, N7TWT - Liaison

VE Team:
Robert Gormley, KS7U
Robert Miner, KA7NPQ
James Skinnell, K7EOG
Robert Fairfield, K7RQN
Dan Ford, K2LH
Bill Martin, AI0D
Joe Cutitta, W0SLI
Verdamae Cutitta, KF7UJB
Ken Peloquin, N7PHO
Michael Richards, KI7S
Paul Jorgenson, KE7HR

NEW MEMBERS

Steven Kaplan, no call yet
Russ Kowalski, KG7DWK
Stewart Romain, KF4WC
Bella Romain, N4ILQ
Gene McIntosh, KC9QBS

Welcome to the
new members.

NOTE: Ted Walker changed
his call sign back to his original
call, KB6OF



For Sale

There are radios and ALL kinds of supplies available through the club. Request a listing from Ted by sending an email to kb5of@cox.net. We get some old equipment that won't sell that I will be adding to the items for free. Ted Walker KB5OF

General Class License Course

Upgrade from Technician to General and work HF DX before the current excellent propagation conditions end.

Classes will be held Saturday mornings 9 am to noon, March 1st through April 26th, 2014, at Thunderbird School of Global Management, 59th Ave & Greenway, Glendale, Arizona. Last session is VE Test.

Sponsored by Thunderbird Amateur Radio Club, fee \$10.00. Text is ARRL General Class License Manual 7th Edition, available at HRO (discounted price for course students) and at ARRL. Test fee, set by ARRL, is \$15.00. A minimum of 10 students needed to hold the course. Sign up now!

Email course@w7tbc.org to register. Please include full name, phone, and callsign (if any).

GO KIT EMERGENCY COMMUNICATIONS GEAR IDEAS??

We are going to have a go-kit contest? Who has some ideas suggestions? Want to get involved?
Don't know what a go-kit is, google *ham radio go kit*
Please send emails to Bob KG7FIL@arrl.net

Real Estate

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

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Jon, K6WV, Mgr.
So. from Hwy. 101
sunnyvale@hamradio.com

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RT.13 1/4 mi. So. I-295
newcastle@hamradio.com

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Tigard 99W exit
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Doraville, 1 mi. no. of I-285
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2014 Arizona Section Convention

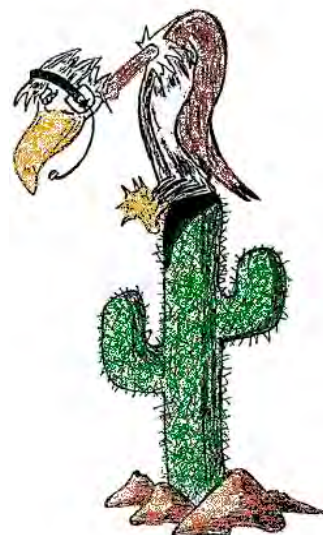
10th Annual

Yuma Hamfest

Yuma, Arizona

Feb. 14 & 15, 2014

Yuma County Fairgrounds
2520 East 32nd Street, Yuma, Arizona



www.yumahamfest.org

Check the Website for Additional Information

Gates Open for Camping Thursday, 2 pm Vendor Setup Friday, 7 am - Noon	Event Hours Friday, Noon - 5 pm Saturday, 8 am - 5 pm	Buzzard BBQ & Grand Prize Drawing Saturday Night 6:00 - 8:00 pm
---	---	--

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“Near Space” Balloon Launch
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Hamfest Talk-In Frequency: 146.840 (-) PL 88.5 Hz

Email Contact: ***info@yumahamfest.org***



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

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



Presented by the Yuma Amateur Radio Hamfest Organization

SCOTTSDALE SPRING HAMFEST

SPONSORED BY ARCA AND
THE SCOTTSDALE AMATEUR RADIO CLUB

SATURDAY MARCH 15, 2014

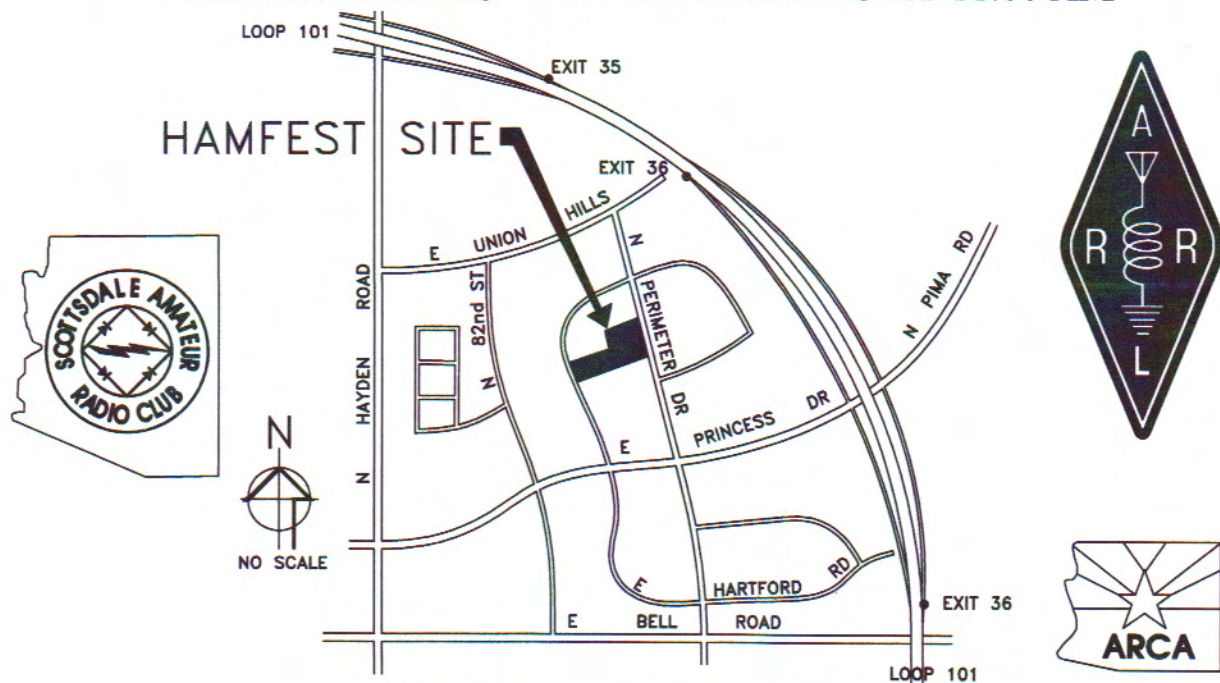
6:00 AM to 12:00 NOON

RV PARKING AND VENDORS - 2 SPACES FOR \$15

ENTRANCE FEE \$4 PER PERSON - KIDS UNDER 12 FREE

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REFRESHMENTS ARCA MEETING AT 11:00 AM



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Some of the vendors expected to exhibit and demonstrate:

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Aquaponics & Hydroponics

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SURVIVAL

Wilderness Survival Gear
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GUEST SPEAKERS



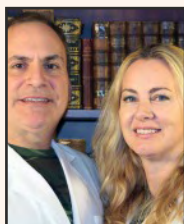
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TUCSON SPRING HAMFEST

Saturday, March 29, 2014

7 A.M. - Noon



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Radio Society of Tucson



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Map and information: www.k7rst.org

- Seller set-up starts at 6:00 A.M.
- Vendors/Tailgaters pay \$10 per space
- Free Overnight Parking after 6:00 P.M. Friday

- ★ **PRIZES: (1st) 50W Dual-band Mobile Transceiver**
(2nd) Dual-band Hand-held Transceiver
- ★ **Raffle Tickets: \$2 each... 3 for \$5... 7 for \$10!**
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- ★ **GOTA Station (demo fun – Get on the Air!)**
- ★ **Hot Coffee, Tea & Donuts Available**

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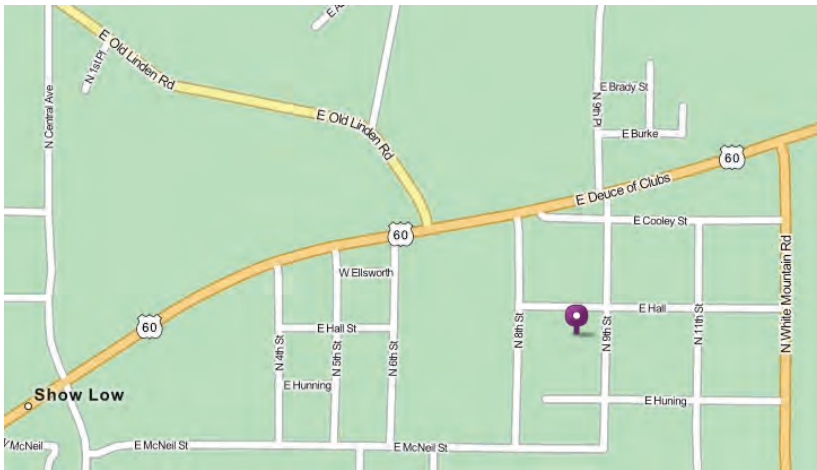


**13th
ANNUAL**

WHITE MOUNTAIN HAMFEST & SWAP MEET

**VENDORS / TAILGATERS
\$5.00 PER SPACE**

**FREE DRY ON SITE CAMPING
FRIDAY JUNE 6TH AFTER 5:30 pm**



SHOW LOW CITY HALL
180 N 9th Street
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**TALK IN
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ARRL Booth
(card checking available)
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(See www.kachina-arc.org for details)
Arts & Crafts
Demo's & Displays

HOURLY DOOR PRIZES

Tickets \$1.00 each / 6 for \$5.00

GRAND PRIZE

Tickets \$5.00 each / 5 for \$20.00

For more information: Contact Jim Mortensen at W7AZY@arrrl.net



The White Mountain Hamfest is sponsored by the Kachina Amateur Radio Club and is sanctioned by the American Radio Relay League and the Amateur Radio Council of Arizona





2014 ARCA / WILLIAMS HAMFEST & ARRL Arizona State Convention JULY 18 & 19, 2014



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



ADVANCED NOTICE

ADVANCED NOTICE

WILLIAMS RODEO GROUNDS, 800 RODEO ROAD, WILLIAMS, AZ
GATES OPEN AT 5 P.M. THURSDAY, JULY 17 FOR SET-UP.
HAMFEST OPENS AT DAWN FRIDAY, JULY 18.

FREE ADMISSION!

JULY 20, 2014 - GRAND CANYON TRAIN TRIP

MEETINGS, SEMINARS, ACTIVITIES,
COMMERCIAL VENDORS,
HUGE SWAP, VE TESTS

SATURDAY NIGHT BBQ DINNER
AT RAILSIDE RV RANCH

SUNDAY GRAND CANYON TRAIN
TRIP

PRIZES

DOOR PRIZES EVERY HOUR
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RESERVATION INFORMATION
available soon

Visit the ARCA Web Site
www.arca-az.org

On-Line Reservation Available on Web Site
Or Call - 602.881.ARCA (2722)

Talk-In - 146.78 - (91.5 PI)



2014 ARRL Southwestern Division Convention.



Dates: September 12 - 14, 2014

The ARRL SW Division Convention sponsored by SANDARC will be held at the Sheraton Four Points hotel located on Aero Drive near the Montgomery Field airport which is the same location of the 2010 convention.

Admission tickets will be on sale on 1 September 2013. Download the admission forms when they become available. Ticket prices will be listed starting as “early bird”, “pre-registration” and “door price.” Please check for the upcoming dates. Our convention will feature tech forums, vendor’s exhibits, on site radio station, grand banquet, flea market and many more activities. Check this site often to get the latest news regarding our ongoing convention events.

Future vendors please check with Paul Rios at kc6qls@cox.net. Check with Ann Rios, KC6TBG at kc6tbg@cox.net if wish to conduct a tech forum. Our keynote speaker for the grand banquet has not been selected. If you wish to be the keynote speaker, please contact Michael Maston, N6OPH at mastroleo@mindspring.com.

Airport shuttle service and free parking during the course of the convention will also be available.