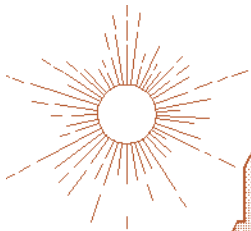


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 39, No 5

May 2014

ARE YOUR DUES CURRENT?

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

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

CLUB MEETINGS SCHEDULE

SARC

May 7th
Scottsdale Senior Center
7:00 PM

AARC

May 8th
Red Cross Bldg. - Phx
7:30 PM

OPRC

May 14th
Marshall Conference Ctr
at Tucson Medical Ctr
7:15 PM

TBARC

May 15th
Thunderbird School
of Global Mgmt
7:00 PM

CARL

TBD
AZ Science Center
10:00 AM

ARDG

Every Wednesday
Phoenix Country Day School
11:10 AM

QCWA

Jun 21st
Stone Ridge Golf Course & Grill
Prescott
12:00 PM

WVARC

May 5th
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	602.278.6212
Secretary	Rosemary Kydd	N7LPN	623.980.7282
Treasurer	Bob Hodges	K7JTT	602.274.1647
Acctivities Mgr	Joe Cutitta	W0SLI	623.215.2226
Membership	Bob Hodges	K7JTT	602.274.1647

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 Burlison	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 Burlison, 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	Dreux Jacques	W7EMU	
	Louis Schmitt	NQ7I	
	Judy Jensen	KE7IXI	
	David Yee	N7AJR	
	Paul Jorgensen	KE7HR	
	Kelly Law	KE7ZVL	

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	
	Bryan 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 602.938.8219.

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	480.789.932
Secretary	Nathan DeRueda	KG7GLB	480.582.8575
Treasurer	Sahil Rawal	Pending	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.

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>.

ADAW

From the Editor's Desk

Hi All,

This month's edition of ADAW is full of news from all our clubs. Lots of activities have been going on and more are being planned. There's a hamfest a month for the next three months (that's May, June and July), and the fall hamfest schedule is starting to fill up too. Public Service events will be taking a siesta over the hot summer months, but that calendar is rapidly filling up for the fall and winter.

Did you make it to the April Hamfest at DeVry? If you didn't, you lost out on a really good event. Lots of vendors, lots of prizes and of course, lots of great camaraderie. The April Hamfest at DeVry is held about the same time every year, so mark your calendars for April 11, 2015 and plan to attend.

With the temperatures heating up in the desert climes, it's time to look ahead for the 2014 ARRL AZ State Convention/ARCA-Williams Hamfest and Swapmeet. Dates are July 18 - 20, with grounds opening at noon on July 17. Lots of activities are being planned at this year's event. For complete up-to-the-minute listings of activities, visit the ARCA web site at www.arca-az.org and click on the July Hamfest link. New activities, seminars, talks and goings on are posted as soon as they are scheduled and confirmed.

A reminder to all our ADAW readers. Please keep your address (both email and USPS mailing addresses) current with your club. This will ensure that you receive your copy of ADAW each and every month. If you are receiving your copy by USPS and can receive email, we encourage you to get your email address to your club so that you can begin enjoying the benefits of the emailed version of ADAW. The mailed version is cut down, by necessity, and does not include all the information and colorful pictures that the email version does.

Space is at a premium this month, so that's all from me. Enjoy this month's edition and have a really great day!

ADAW STAFF

PUBLISHER/EDITOR

Christine Kesauer N7PVL 602.843.0960

AARC EDITOR

Lori Cripps WA7EDI 602.955.7517

SARC EDITOR

Ed Nickerson WU7S 480.949.5162

CARL EDITOR

Jean Jolkovski W4CIH 480.664.7353

OPRC EDITOR

Ron Kalish N7SPW 520.207.3852

QCWA EDITOR

Robert McCuskey W7BV mccuskey@email.arizona.edu

TBARCEDITOR

Jim Moore WB7ENX

ARDGEDITOR

Daniel Bashir

WVARC

Robert Paul KG7FIL kg7fil@cox.net

DISTRIBUTION

Mark Kesauer N7KKQ 602.843.0960

ADAW EMAIL

adawaz@arca-az.org

ADAW WEB SITE

www.adaw.org

SCOTTSDALE AMATEUR RADIO CLUB, INC.



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

The program for the April club meeting was a very nice presentation by Bob Johnsen, K7TR, and Larry Foster, KCOJON, on their adventures to Honduras. Both Bob and Larry travel to Honduras each year to help medical missionaries by providing radio communication for them. The medical teams are providing a valuable compassionate service to the less fortunate people of Honduras. They provide badly needed medical and dental services. Bob and Larry provide radio communications that are necessary for the medical teams to do their job. They are to be commended for their help with amateur radio. Great work, guys!

The program for the May club meeting will be a presentation by Marty Woll, N6VL, ARRL Vice-Director Southwest Division. The presentation will be on Field Day-Strategies, Tactics, and Techniques. With Field Day coming up fast, this will be a very good program for us. Our club has been going to Chino Valley for a few years now and enjoying the field day week end. I am looking forward to this presentation. The HF bands have really been jumping lately. Maybe that is because of the ARRL Centennial QSO Party that is going right now on all bands and all modes. Many club members have been logging multiple contacts with them in different modes on the same band. Maybe the fact the sun spot count is up could account for busy frequencies. I personally don't care why the bands are so busy. I am just loving the moment trying to find more time to be on the radio. If you have not tried it lately, now is a good time to do so. The ARRL has a great plaque and certificate for you if you can contact their mobile stations in all 50 states. Even if you are not into wall paper, the fun of making contacts is what ham radio is all about. Besides contacting the ARRL station, there are a lot of other stations out there to contact. This is very enjoyable.

We have been enjoying the best weather in the country this winter and now that spring has arrived the temperatures are beginning to climb. Our grand daughter has been in the pool almost every day since the temperature hit 80 degrees. When she gets home from school, she stays with us until her mother gets off work. She hurries through home work and then she wants to swim. It is hard to say no. The pool temperature is not too bad at 75 degrees, but I will not be going for a dip until it hits 90+ degrees. I have temporarily set up my station in the back yard near the pool so I can watch her swim and play radio at the same time. There are dangers when you are working on the rig surf side and the mermaid is diving into the pool. I simply moved the table a little further away from the pool and that did the trick. This is really better than being in the ham shack with no windows. This reminds me, if you have some pictures of your ham shack and you would like the rest of us to see you in action, please give me a call or e-mail. I would love to put it into this column.

This is the start of a great camping and hiking season and right now the weather is perfect for both. There are some great in-town hiking spots like Camelback Mountain or Piestewa Peak. If you go up there, be sure to take your HT with you. You can hit every repeater in town and some in Tucson with 1 watt.

Be sure to take a lot of water with you, but I am sure you already know that. Of course, if you want a little cooler hike, you head for the mountains. There are great places on the rim, Flagstaff, and around Prescott. There are terrific camping spots to enjoy all over the high country. And be sure to take a radio. A 2-meter HT and you are in business. I also like to take my fishing pole.

We have a radio net on Tuesday evening at 7:00 P.M. on 147.18 MHz (P1 162.2) and 440.00 MHz (PL 100). Everyone is welcome to check in. We get into the most interesting discussions and this is a great opportunity to try that new HT you got at the hamfest. We will give you a signal report and the benefit of our vast knowledge! Ha!

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

SARC CONSTANTS:

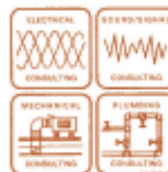
SARC is a 501 (c)-3 club. That means all donations are fully tax deductible. Contact Paul Finnell, W7EFQ at 602.741.6563 for information on estate donations and equipment pick-up.

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.



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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.

Want Ads

Wanted - Rohn 25/45 gin pole.

Contact Ray, W7GNE - Home: 480.998.1893

Event Calendar

3 May 2014 - **Cochise Hamfest and 7th Region communications Exercise** - hosted by the Cochise Amateur Radio Association will be held on the club site at 2756 Moson Road in Sierra Vista, AZ. Hours are 7:00 AM to 12:00 Noon. Ve testing, Prizes, Breakfast, Lunch. Contact Charles Campbell, K4AFN at k4afn@arrl.net for more information.

7 June 2014 - **White Mountain Hamfest and Swap Meet** - hosted by the Kachina Amateur Radio Club will be held at the Show Low City Hall, 180 N 9th Stree, Show Low, AZ. Hours are 8:00 AM to 12:00 Noon. Prizes, ARRL Booth (with card checking), VE Testing, Arts & Crafts, Demos and Displays. Vendors/tailgaters - \$5 per space. Free Dry On-Site Camping on Friday, June 6 after 5:30 P.M. Talk-in - 145.310 Pl 110.9. Contact Jim Mortensen at w7azy@arrl.net for more information

18 - 20 July 2014 - **2014 ARRL Arizona State Convention / ARCA/ Williams Hamfest** - hosted by the Amateur Radio Council of Arizona will be held at the Williams Rodeo Grounds, 800 Rodeo Road in Williams, AZ. Gates open at 12:00 Noon 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. For more information, visit the ARCA website at www.arca-az.org.

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 (Pl 107.3). Web Site: <http://sandarc.net/convention2014>. Contact: Paul Rios, KC6QLS at 619.334.0441 (email - kc6qls@cox.net).

11 October 2014 - **8th Annual Kingman Hamfest** - hosted by the Mohave Amateur Radio Club will be held in Kingman, AZ. Location to be announced. For more information, contact Bill Smith at 928.303.9857 (bill021@gmail.com) or Kevin Walsh at 928.514.4237 (kd7hve@msn.com). Watch for updates.

8 November 2014 - **Tucson Hamfest 2014** - hosted by the Oro Valley Amateur Radio Club will be held at Marana Middle School, 11279 West Grier Road in Marana, AZ. Gates open at 7:00 AM (5:00 AM for sellers) and close at 1:00 PM. \$5.00 admission includes a bottle of water and 1 free raffle ticket. Children under 12 and students with school ID are free. Commercial Venders - \$30.00, Tailgaters - \$10.00 (includes 1 admission ticket). VE Session at 11:00 AM - Interesting Seminars - ARRL Award Card Checking - Great Fun - Great Food - Great Prizes!



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.

Public Service Calendar

EVENT	LOCATION	DATE
Barn Burner Mtn Bike Race	N of Flagstaff on the Kaibab & Coconino NF	09/06/14
Mogollon Monster	Payson Rim Area	09/27/14
Xterra Estrella Mtn Trail Run	Estrella Mountain Park	10/05/14
ADA Walk for the Cure	N Cnetral Phoenix	10/11/14
Tour de Scottsdale	N Valley/Fountain Hills	10/12/14
JROTC First Water	N of Apache Junction	10/25/14
Heart of Arizona	Congress	11/01/14
Javalina Jundred	McDowell Mtn Park	11/01-02/14
MS Walk on the Wildside	Phoenix Zoo/Papago Park	11/01/14
Javalina Jundred	McDowell Mtn Park	11/02/14
JROTC Lake Pleasent	W of Lake Pleasent	12/13/14
Fiesta Bowl Half Marathon	Scottsdale Civic Center	12/14/14
Xterra - White Tanks	Waddell	01/04/15
JROTC Lake Pleasent	W of Lake Pleasent	01/31/15
Xterra - McDowell Mtn	Fountain Hills	02/01/15
Runners Den Pancake Run	E Phoenix, Paradise Valley Mall	02/08/15
JROTC First Water	First Water Trailhead Apache Junction Area	03/07/15
Xterra - Blanck Canyon City	Table Mesa Rd - Black Canyon City	03/22/15
Cave Creek Trail Run	Cave Creek	04/05/15

To sign up send email to: mcecg@yahoogroups.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



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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, 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.

May Test Sessions

May 1st - CARBA -- 7:00 PM

Lighthouse YMCA, 2900 N Columbus Boulevard, Tucson
 Contact - Matthew Grossman 520.750.7189
 Pre-Reg by email preferred - veregistration@rstclub.org

May 3rd - OVARC -- 10:30 AM

Oro Valley Police Sub-Station, Oro Valley Marketplace, Oro Valley
 Contact - James Garrity licensing@tucsonhamradio.com

May 3rd - DeVry ARC & West Valley ARC -- 9:00 AM

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

May 3rd - Yavapai ARC -- 9:00 AM

Jeep Possee Bldg in Pioneer Park, 1800 Commerce Dr, Prescott
 Contact - Donald Bauer 928.775.4690
 Pre-Reg online: www.w7yrc.org

May 3rd - Cochise AR Assn -- 10:00 AM

Club Site, 2756 Moson Rd, Sierra Vista
 Contact - Juanita Portz kk7wa@cox.net
 No Walk-Ins

May 4th - Green Valley ARC -- 2:00 PM

Sheriff's Aux Vol Bldg (SAV), 601 N La Canada, Green Valley
 Contact - Carolyn Miller 520.648.2834
 No Walk-Ins

May 10th - Yuma ARC -- 9:00 AM

Yuma County Sheriff's Office, 141 S 3rd Ave, Yuma
 Contact - Robert Spencer revrobert@roadrunner.com
 No Walk-Ins - Must Pre-Register

May 12th - Radio Society of Tucson -- 7:00 PM

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

May 14th - 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

Continued next column

Old Pueblo Radio Club INTERMOD

President's Column

The OPRC general members' meeting was held Wednesday, 9 April, as scheduled. As summer is coming on, members appear to be heading to cooler locations, so attendance was a bit below normal. Nonetheless, members present attempted to solve the world's problems, electromagnetic or otherwise.

Our final meeting before summer recess will be held on 14 May, 2014. The club will then go into its usual period of estivation like many other sensible desert denizens, until the second Wednesday in September.

73 de
 Ron Kalish, N7SPW
 President, OPRC



OPRC Repeaters

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

RACES Repeaters

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



May Test Sessions continued . . .

May 19th - East Valley VE Team -- 6:00 PM

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

May 24th - Arizona ARC -- 7:00 PM

American Red Cross, 6135 N Black Canyon Hwy, Phoenix
 Contact - Gary Hamman 602.996.8148
 No Walk-Ins - Pre-Registration Required by Friday Night



SPRING HAS SPRUNG!

BUSY TIMES AT THE STATION: HAMFESTS, SPRING BREAK, a continuing stream of visitors. School field day delivering bus loads of eager cherubs. In other words, pretty much normal. What was not normal was a shortage of volunteers. Various factors diminished the ranks of available Hams. If you were considering joining the volunteer Hams at W7ASC, this would be a good time to get started. Call Bob, KG7QJ@COX.NET and he will find a way to work around your availability.

If you were not on the air, you missed a fun event. On Saturday, 22 March, the Cochise county Boy Scouts put on a major educational event. This took place in Sierra Vista and the objective was Merit Badges. Two Ham stations were in operation. One station was on HF – they were heard, though not worked, at W7ASC on the ten-meter band.

The other station was on VHF, using the EAARS repeaters system. In order to obtain the Communication Merit badge, a candidate Scout must engage in a QSO for ten minutes. WE had been advised to expect 200 Scouts! Panic attack at the Shack. They forecast on-air activities from 0900 to 1700. MST. Their station, K2BSA/7, was a busy place, but they did NOT have 200 visiting Scouts all trying to get ten minutes air time.

There might have been that number at the total event, but there were other classes and demonstrations aimed at other badges. As a result, W7ASC, together with other on-air stations, was able to provide all of the support that was needed. At the station there were extra volunteers on duty. Special volunteers Thomas, KG7FXT, and Bob, KG7FXU, provided the extra help that made it possible to attend to the normal flow of Science Center visitors in addition to the on-air activity. And there was even a local Scout who came along in order to complete his ten-minute QSO as required for his Merit badge application. Thomas, KG7FXT, is a relatively new Ham, but he has his General, is 13 years old, and he worked the contacts as if he were much more experienced.

The Sierra Vista Scouts took a break for lunch. This gave the W7ASC crew a chance to catch a breath, grab a bite and complete the log entries that had fallen behind. While there was this short lull, another Ham got on the network and made an IRLP link into New Zealand. Three ZL1 stations were in QSO with the Arizona Ham while Volunteers and visitors read the mail. 73's were exchanged just in time to catch those Scouts returning from lunch.

A tip of the hat is due to the EAARS network that was used for most of the day. If you have not experienced this network, give it a try. Go to their web site and note all of the locations, frequencies and modes. This connects South East Arizona and western New Mexico. Great coverage, excellent audio and

very nice people can be found on the network. No problem reaching Deming in order to get the latest word on the annual duck race.

Did you imagine that you have heard it all? Well – you have not.

W7ASC received three new(er) computers from a local company that is changing their internal system. Once these are installed, W7ASC will be able to install and demonstrate even more Ham-oriented programs. Drop by the station in order to see the change.

Speaking of programs, here is one that you might find useful. Most of us use QRZ when looking for the name behind a call sign. Great site! But if you want information that does not come with the QRZ report, try WWW.HAM.MASHMAP.COM which allows you to sort by ZIP or call sign.

The Amateur Technician class had its first session of 2014 and will be completed by the time that you read this. It was conducted, as it has been for many years, by (Professor) Bob KG7QJ. One of the students felt, after three classes, that he was sufficiently prepared to take the test. Why wait? He was correct, as he passed, got his call sign, but still came back to the class. When asked, he responded that he was still learning. The more that he learned, the better Ham he would become.

The secret C.A.R.L. BOD committee met in January, as required, selecting and announcing the C.A.R.L. Ham of the year. This meeting, held behind closed doors in a windowless room at an undisclosed location, has historically made a quick selection of that Volunteer who has logged the most hours at W7ASC. This year that same committee decided to recognize other activities that helped to operate the Station and perform all of the other duties required to meet the Station objectives. This is a more subjective approach, so it took more time. There was an eclectic slate of candidates, making the choice very close. The deciding factor was the ability to pipe Morse code on a Boson's pipe. That noosed KG7KJ into the top spot. The award ceremony was so touching that one could hardly observe a dry eye in the audience.

There is still some room for Volunteers on the W7ASC schedule, so do not delay. Call Bob KG7KJ at 480-961-1109, talk to the Ham of Year 2013 and get on the schedule. If you do not volunteer, you are unlikely to become a candidate for Ham of the Year 2015.

How did you get started (or re-started) in Ham Radio? Send your "How I became a Ham" stories to the editor, please.

73 de W4CIH editor jeanjol@hotmail.com

ADAW



and will soon be full of the information and photos you've been waiting for. Just type in the URL: www.W7IO.org. Thanks to Chris, N7PVL, for her persistence in getting it back and running.

The May 8 AARC meeting will be very special. Marty Woll, N6VI, the Vice-Director for the ARRL's Southwestern Division, will present a program, "Being DX – Tales of a Contest Expeditioner." Guests are welcome. Even non-hams would enjoy this interesting speaker.

73,
Lori, WA7EDI
cripps@cybertrails.com
(602) 955-7517

Who says that in this digital age amateurs no longer build equipment? At the April breakfast, the 4th Saturday of April, Paul Sharkey, AE7UH, showed us the field strength meter he built, one that would pick up low level transmitters like handy talkies and cell phones. Paul brought his completed project to the April AARC meeting, and Gary Hamman, K7GH, brought along some equipment to test Paul's project to see how sensitive it is. The results: the field strength meter has excellent sensitivity that was almost constant from 1.8 to 450 MHz.

Speaking of building amateur radio equipment, do you remember the Heathkit days? We all do if we are old enough. To some extent that kind of building-it-yourself can still be a part of today's amateur radio. If you can rob the sugar bowl for \$1,159.90, you can buy the Elecraft K2 100-watt transceiver kit, saving you about \$250 by assembling it yourself. Elecraft claims it is easy to build, and their ad reads:

"Building Your Own Gear is Half the Fun! Imagine the feeling you will get from your first QSO when you tell the other operator that you built it yourself!"

AARC member Bob Robb, KB7ZAB, who has accepted the challenge, finds it worth the effort to "do it yourself."

I'm sure there's more building of equipment going on that I haven't heard about. Please let me know what building you have been doing. We need to dispel this nasty rumor about amateurs being only operators.

Meanwhile the AARC, with the help of ARCA, just had a very successful Hamfest. The DeVry event has always been a highlight in the hamfest season, and 2014 was no different. Statistically, there were 51 vendors, and 136 doughnuts were sold along with many cups of coffee and cans of soda. The second prize, the TYT TH-9000 2M Mobile, was won by AARC member Steve Tolnai, W7WSV. The VE test session led by N7TWT produced 17 new technicians, 8 generals, and 3 extras. Reinhart Geissler, DL1UF, was there for QSL card checking. (I'm looking forward to the day when Reinhart will check my cards for my DXCC award.)

At the end of every hamfest, we ask the same question. Is it worth the huge amount of work, the immense number of man hours? YOU BET IT IS!! There is no better way to share the camaraderie with other amateur radio operators than a successful hamfest. We invite you to DeVry in April of 2015. Hope to see you there.

We thank ARCA, which always seems to be there when we need a little extra help. Just this past week, they assisted us by getting our website back up and operating. It is still in its beginning stage of reconstruction, but it is there and working



Paul Sharkey, AE7UH, and Gary Hamman, K7GH, test the sensitivity of Paul's home brew field strength meter

ADAW



The members of the Amateur Radio Development Group

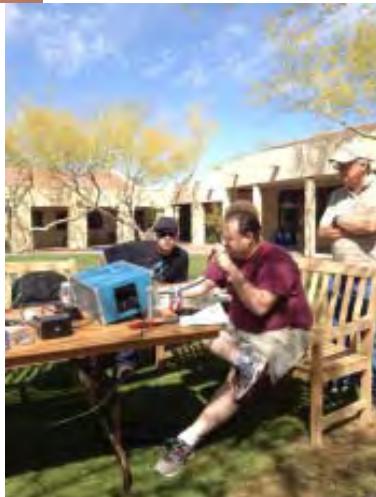


Amateur Radio Development Group

Hi,

This is Daniel Bashir (KG7GDL) reporting again for Phoenix Country Day School's Amateur Radio Development Group. After a fairly long hiatus, we reconvened to have a Radio in the Park on Saturday, April 12. Here, we hosted the Mesa Amateur Radio Club. We operated a radio on the HF bands, something new to the majority of us. An exciting climax of the day was our making our first DX contact with HA5AGS from Budapest, Hungary.

As before, we are still working on a station setup. We're hoping to set up an Army MARS program at our school. If any MARS hams could contact our group's president at Benjamin.Lee@pcds.org to help us figure out how to design a station, we would really appreciate it!



ADAW



CHAPTER 16 BARRYM.GOLDWATERARIZONA CHAPTER

The Arizona Chapter QCWA held its Spring meeting at Old Pueblo Grill in Tucson on March 29th with 22 members and guests attending. The meeting began with introductions around the room and then lunch was served at 12:00.

After lunch, President Doug Besemer, KØVPL entertained us with a talk about his recent European trip which included return to the USA on an ocean liner. His talk was entitled, "The Voyage of the Vikings." Following Doug's interesting presentation and a good question and answer period, a brief business meeting was held during which QCWA anniversary awards were presented to members licensed 50 or more years. Those receiving awards include: Herb Ash, K7ARR - 80 yrs; Tony Cipolla, W2QL - 75 yrs; Gerry Higgins, W7ES - 65 yrs; Tony Ribeiro, K7AMR - 60 yrs; Roy Hejhall, K7QWR - 60 yrs; Doug Besemer, KØVPL - 55 yrs; Dave Hanson, W7BJ - 55 yrs; and Harvey Zilm, AB7UT - 55 yrs. Those not in attendance were mailed their award. The meeting adjourned at 2:45PM.

The next meeting of the AZ Chapter QCWA will be held in Prescott on June 21st at the Stone Ridge Golf Course and Grill. The speaker will be Tom Fagan, K7DF, who will talk to us about "Stealth Antennas."

73,

Bob McCuskey, W7BV
Sec./Treas., QCWA -AZ Chapter
mccuskey@email.arizona.edu



Herb Ash, K7ARR, receiving his 80th QCWA Anniversary Award



Emergency Communications Since 1961

SHORT SKIP

Thunderbird Amateur Radio Club is an active club.

Our April General Meeting had more than fifty folks in attendance including four new members and five guests visiting. During the April General Meeting Kevin Jacobson, AD7OI, gave a presentation on “Adventures at 10 Ghz and up: Fun with the Microwave bands” where he talked about his equipment and contesting in the microwave bands. Our General License class ended in April with portable operations set up on Saturday, April 19 at noon outside of the classroom after the VE testing session. Our new AGs, Acting Generals, got a chance to try some HF operations with several of the state QSO parties that were scheduled on the 19th.

Upcoming activities for the Thunderbird Amateur Radio Club include:

A Technician’s License class starting in June. The class will meet Tuesday evenings, beginning June 10 and will meet at the LDS Church near 39th Avenue and Greenway Road.

We are co-sponsoring an EComm (Emergency Communications) message handling class that will meet for two hours on Saturday morning June 21. We will be working with Maricopa County Emergency Action Network and the Salvation Army in setting up this class.

Finally, we will participate in ARRL’s annual Field Day exercises during the last full weekend in June. We have a cool location up near Flagstaff and time-slots available for those who want to give Field Day a try.

In addition to these activities we have our monthly General Meetings where we always have a guest speaker giving a presentation on different aspects of Amateur Radio. During the months of May, June and July the scheduled topics will include: Field Day, The Magic of 50 MHz openings, and Caving with Weak Modes. Archived notes from past presentations are available for downloading on our club’s website.

Our General Meetings are held on the 3rd Thursday of every month on the campus of the Thunderbird School of Global Management. Feel free to come to any of our meetings or events. Visitors are always welcome! For more details on locations and times of all of our events please consult our web page: www.w7tbc.org

Prez Says:

Well it looks like spring is gone and the hot weather is on the way, temps this week to be 95° to 100°, this is the last chance to do repairs on towers, antennas or core repairs. Remember it is a dry heat. Hi Hi, 73 to all the snow birds that will be leaving the valley for cooler places. We look forward to see you when you return, God Bless.

Ken Peloquin N7PHO 73s President

For Sale

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

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Time and Space

Robert Fairfield, K7RQN

A continuation of "Satellites" from the Short Skip, April 2004 - October 2007. Interesting accounts of world space accomplishments.

The United States successfully launched Explorer 1 on January 31, 1958, which was the beginning of NASA and the "Space Race."

May 05, 1961 Alan Sheppard - First American in Space aboard the Mercury spacecraft "Freedom 7."

May 07, 1963 Telstar 2 - The world's first active communication satellite.

May 15, 1963 - First live T.V. Pictures from space Mercury U.S. Spacecraft (Faith 7) - L.Gordon Cooper, Jr. 22 orbits

May 28, 1971 - Mars 3 Orbiter and Lander sent back to Earth a large volume of data which revealed mountains as high as 13 miles, hydrogen and oxygen in the upper atmosphere, and surface temperatures ranging from -230' F to 55' F.

SO-50 (Saudi-Oscar 50) Amateur Radio Satellite - Launched December 20, 2002

Period 97.95 min. Mode: FM Status: Operational. Uplink 145.850 MHZ w/67.0 HZ PL tone. Downlink 436.800 MHZ. Speed: 16,828 mph. Altitude: 417 miles. Satellite orbit data can be obtained from Heavens-Above.com

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Test Session Results

The April 5th session at DeVry - 14 candidates were examined

- 12 Earned Technician Class license
- 1 Failed Technician Class license
- 1 Earned General Class license

VE Liaison - David Morrill N7TWT

VE Team:

Robert Gormley KS7U

James Skinnell K7EOG

Dan Ford K2LH

Ken Peloquin N7PHO

Robert Miner KA7NPQ

Robert Fairfield K7RQN

Bill Martin AI0D

Michael Richards KI7S

The Sun City Amateur Radio Club (now the West Valley Amateur Radio Club) was started in October 1961. There were seven charter members: Sam Davenport, W7RHT; Bob Hill, W7VZA; John Ingwerson, W7CS; Graham Maconomy, K7BUR (now W6BUK); George Mezey, K7NIY; Georgianna Mezey, K7NOA; and Bill Poehls, K7RDC.

At the start of the club, the monthly meetings were held in the homes of the various members. In 1965, more members from Sun City, and several from Youngtown, were recruited and the meetings were held at the town hall center. The name of the club was changed to Youngtown-Sun City Amateur Radio Club.

Fifteen years later, in 1976, the membership had grown from the seven charter members to 125 on the roster. Today, 2014, we have 215 members.

Submitted by Robert Fairfield K7RQN Historian - West Valley ARC

Please join us on the Heathkit Net every Sunday at 12:00 noon (19:00 Z) following the Vintage Single Sideband Net 14.292.5 MHZ +/-, QRM and preceding the Swan Users Net. Enjoy several hours of antique radios! Open to all.

Listen for my beacon on 10 Meters - Frequency 28.294.2 MHZ - daily from 8:00 A.M. thru 2:00 P.M.. Signal reports are welcome. Thank-you - Robert, K7RQN



GO KIT EMERGENCY COMMUNICATIONS GEAR IDEAS??



March 21 and 22 we had our GO KIT event at Surprise Lake, quite a few hams had shown up and also passersby. One even wanted to join the club!

We had a card board box portable, a brief case portable, a self-contained and battery powered portable. We need to have another event and some portables for a winning prize.

Please send an email if you want be involved to Bob KG7FIL@arrl.net

Wickenburg Hospital Antenna Project

Last week the West Valley ARC technical team finished the installation of a two meter yagi on the roof of the Wickenburg Community Hospital. This project arose from the hospital's desire to have a direct emergency link to the Del Webb hospital repeater.

A communications disruption in Wickenburg illustrated the danger of not having a link to the Del Webb hospital. As a result, the West Valley ARC team went up to the hospital and conducted an experiment to see if a direct link could be established between the Wickenburg Hospital and the Del Webb hospital repeater which is operated by the West Valley ARC. The test was successful and a suitable antenna, mast and installation protocol was established.

The week of March 23rd saw the team installing a 12 element 2 meter Yagi on a 20 foot pole using a fiberglass insulating section to allow vertical polarization. With help from the Wickenburg Hospital maintenance operation installing mounting brackets, we were able to connect up the antenna, pole, and coax hardline to the antenna.

It was critical to aim the beam directly at the Del Webb Hospital (33 miles away) to get a solid signal. Previous testing provided the proper direction and as a result, we finalized the installation and went down to the office to test the results. Using 25 watts, we were able to raise the Del Webb repeater, although not at full quieting. Increasing the output to 50 watts gave almost full quieting. Now the hospital has a direct link to Del Webb hospital should there be a widespread power failure or communications link failure in the Wickenburg area.

West Valley ARC members contributed antennas, hardline and regular coax, masts and expertise to assemble and install the antenna for the hospital.

The following people participated from the Wickenburg Community Hospital participated in the project: Linda Brockwell KG7IKT (Chief Nursing Officer, Wickenburg Community Hospital), Roy Earls (Plant Operations Supervisor, Wickenburg Regional Health Center) and Al Gustin (Hospital Maintenance). The West Valley ARC technical team consisted of: Ted Walker KB5OF, Robert Fairfield K7RQN, Tim Hayes KF7XY, Bob Kettler WA6MIO, Bob Paul KG7FIL, Ken Jenkins WB6MMV, Patrick Blaylock W6SPS, Dave Porta WA0ZVM, and Randy Helfrich KD7ZAA.



West Valley ARC Preparedness Exercise

The West Valley Amateur Radio Club conducted an Emergency Preparedness Exercise at the Surprise Park Friday - March 21, 2014 from 2:00 P.M. - 6:00 P.M. Saturday - March 22, 2014 from 6:00 A.M. to 2:00 P.M. at Ramada #2, Surprise, Arizona.



Rich Haworth W7MDQ, Chrls Deshaies KE7IBG, Lou Caldwell W7HX, and John Siepmann N9NA participated.

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Roy Earls, Ted Walker KB5OF, Robert Fairfield K7RQN and Robert Ken Jenkins WB6MMV (behind)

Ted Walker KB5OF, Robert Fairfield K7RQN and Ken Jenkins WB6MMV



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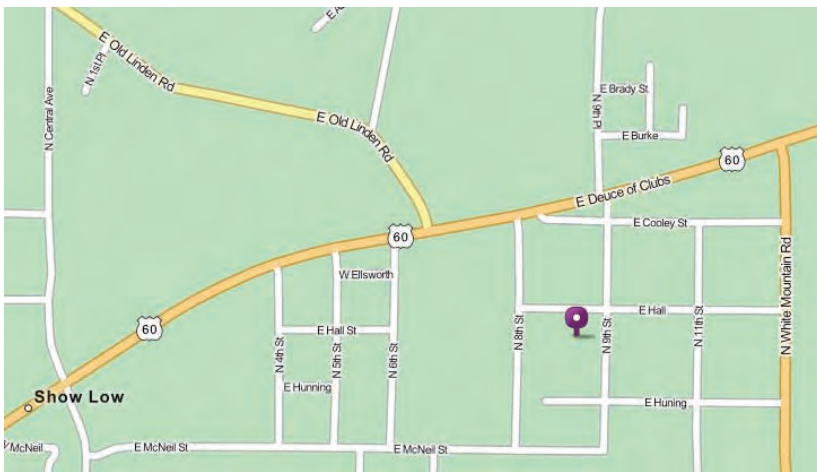


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2014 ARRL Southwestern Division Convention.



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.

