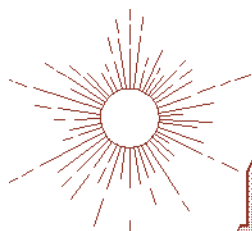


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



Happy New Year!



ADAW

Arizona Desert Aire Waves

Vol 36, No 1

January 2011

CLUB MEETINGS SCHEDULE

SARC

Jan 5th
Scottsdale Community College
Culinary Arts
5:30 PM

AARC

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

OPRC

Jan 12th
AZ Bldg at Tucson Medical Ctr
7:15 PM

CARL

TBA
AZ Science Center
TBA

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.

QCWA

Apr 2nd
Tucson Area
12:00 Noon

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	Bob Milburn	KB7TWF	480.991.1702
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: \$15.00/YR, Prorated (\$18.00 Family, \$9.00 Student), MEMBERSHIP YEAR BEGINS FEB. 1.

SCOTTSDALE AMATEUR RADIO CLUB, INC.

The Scottsdale Amateur Radio Club meets the **FIRST WEDNESDAY** of each month at 7:30 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	Paul Finell	W7EFQ	602.741.6563
Vice President	Bob Johnsen	K7TR	480.946.1427
Secretary	Ed Nickerson	NU7S	480.949.5162
Treasurer	Tom Barry	W7UF	480.998.8494
Past President	Bob Johnsen	K7TR	480.946.1427
Membership	Gerald Jacques	KE7GYM	480.239.8679
Board Members	Jerry Jacques	KE7GYM	480.239.8679
At-Large	Paula Jones	KD7TNB	
	Dreux Jacques	KB8YYA	
	Louis Schmitt	NQ7I	
	Skip Moretti	K7OAH	602.952.2649
	Alan Jensen	KE7FSD	
	Judy Jensen	KE7IXI	
	Stephen Thomas	KE7TLS	

SARC, P. O. Box 10878, Scottsdale, AZ 85271-0878. Phone: 602.735.3988. DUES: \$20.00/YR, (\$10.00/Add'l Family Member).

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	Larry Foster	KC0JON	480.767.0593
Board Members	Ray Waddoups	KE7FUM	480.654.9883
	David Zinder	W7PMD	602.358.7826
	Jordan Snell	KC7CWX	480.844.3744

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>

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 Arizona Building at Tucson Medical Center. Visitors are welcome.

President	Ron Kalish	N7SPW	520.207.3852
Vice President	Alan Drexler	WB9TSU	520.885.9910
Treasurer	George Devich	N9IUK	520.760.0125
Board of Directors:			
	Dave Brown	KC7CQY	520.908.0805
	Art Mills	KD7HZP	
	Bill Price	N7GUO	
	Ivan Settle	KB7USM	
	Cliff Hauser	KD6XH	
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	Jean Jolkovski, W4CIH	
		jeanjol@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**

From the Editor's Desk

Happy New Year everyone! Hope your holidays were wonderful.

The Thunderbird Amateur Radio Club will usher in the new year of hamfest events with their Thunderbird Hamfest 2011 on January 8. It will again be held at the Thunderbird School of Global Management in Glendale. It's all indoors, so no matter what the weather is like in the Phoenix Valley, you are sure to have a dry, warm good time.

Quartzfest 2011 will be held January 23 through 29 on Hwy. 95 at La Paz Valley Road - seven miles south of Quartzsite. This week long event is a favorite for Rvers and features a full schedule of activities for all. Camping on BLM land is free of charge, but you must be self-container. There's no power, restrooms or water. If you enjoy "boondocking," this is the event for you.

The Desert Radio Amateur Transmitting Society of Palm Springs and the Palm Springs DX Club is inviting all amateurs to their 2nd Annual Palm Springs Hamfest/Winter Field Day event on January 29. It will be held at the BARN at the "Boskovich's Estate." They offer a big swap meet (more than 40 vendors last year), gourmet food, and raffles every hour. This year ICOM, Yaesu, HRO, the DX Store, Byonics, RF Stuff, Alpine Antennas and more are scheduled to be in attendance. Dry camping will be available, but you need to register at sboskovitch@dc.rr.com. For complete information, visit their web site at <http://www.desertrats.am>.

Carl Foster, KB7AZ has been selected to be the new ARRL Arizona Technical Coordinator. Carl, who is from Tucson, is a RF expert, pilot and technical specialist. Larry Brown, W7LB (former Technical Coordinator) will remain a Technical Specialist for AMSAT and EMI issues. Welcome, Carl and thank you for your dedication.

Looking ahead to February 2011, you will find the Yuma Hamfest on February 18 & 19. The 2011 ARRL Arizona State Convention will be held in conjunction with this year's Yuma Hamfest and Emergency Preparedness Show at the Yuma County Fairgrounds. This event gets bigger and better every year. Check it out!

Lori Cripps, WA7EDI of the Arizona Amateur Radio Club, sent some wonderful pictures of AARC's Christmas party. Looks like everyone had a good time and filled themselves with some delicious food, too. Thanks, Lori, for sharing.

Check out the new look of the radio station at the Arizona Science Center. Bob Burleson, KG7QJ included some snapshots of the station now in use as well as what it will look like when completed. Remember, CARL is always in need of volunteers to man the station and show visitors what Amateur Radio is all about. Consider spending just a little of your time in the new year helping.

Bob McCuskey, W7BV sent a photo of Paul Jorgenson, KE7HR operating his radio underground. For more

information on Paul's activity, see the QCWA column on page 8.

Hope you all had/have a wonderful, safe New Year's celebration and are looking forward to a year packed full of activities.

73 'til next month,
Chris, N7PVL



Happy New Year!

ADAW

ADAW STAFF

PUBLISHER/EDITOR

Christine Kesauer N7PVL 602.843.0960

AARC EDITOR

Lori Cripps WA7EDI 602.955.7517

SARC EDITOR

Ed Nickerson NU7S 480.949.5162

CARL EDITOR

Bob Burleson KJ7QJ 480.961.1109

OPRC EDITOR

Ron Kalish N7SPW 520.207.3852

QCWA EDITOR

Robert McCuskey W7BV mccuskey@email.arizona.edu

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

Hi Guys,

The annual Christmas Banquet at the Scottsdale Community College Culinary Arts dining room was a complete success. The Motorola Amateur Radio Club of Arizona joined us again this year and everyone had a great time. The program by Mr. Bruce Winter on Colorado River Rafting was very good. Bonnie and I have thought about taking that trip for years now and she informed me that this is the year. We are going to get in shape for the hiking the trip will require and maybe lose a few pounds. This trip will be a real adventure so if some of you out there want to join us, just give me a call and I can give you all the info I have.

For next month the program will be by Bill Munsil on ATV. I am interested in all aspects of ham radio and this is one area I know very little about. So I will be sure to pay close attention to this program. I would like to try it myself sometime and Bill will have all of the answers. It should be another great program.

This is the best time of the year for a lot of great reasons. First of all, it finally cooled off enough to turn off the AC. And it looks like we are in a warm weather pattern which I have mixed feeling about. Of course, this is better than getting snowed in like some other places. My old hometown is Jamestown, New York and they have been getting blasted with the white stuff and cold temperatures. Reminds me why we live here. We do like to go up to Flagstaff to enjoy a day or so of cold weather but then it is back to Scottsdale. We used to go skiing every winter, but my cardiologist does not want me to do that anymore. He says there is a great air ambulance from up there to cart me back to intensive care so I probably will take his advice and not try it anymore. The last few times I have been up to 7000 feet it takes me a day or so to acclimate to that altitude and the ski resorts are up at 9000 feet. But the view from there is spectacular. They also have half price lift tickets for us old guys. Darn!

By the time you all read this, Christmas and New Years will be over for another year. This year we put up our tree after Thanksgiving and of course the outside lights. Oh, those outside lights can surely be a nightmare. They have been sitting in storage for a year and when you go to plug them in, about half of them WILL NOT LIGHT. I have icicle lights and each string has three sections. I went through six strings of lights before I found one where all three sections would light. I even took a new one from last year out of the box and there was one section out. So, I put them up across the front porch. The rest went up across the garage and north end of the house. It looked bad so I went to find some more icicle lights

and no one has them anymore. Great! Then a funny thing happened. A few days later the lights all lit up for no reason at all. It must have been because of the Christmas Season and not because I am deserving. Or maybe some elves just wanted to help someone out. You never know. Putting up the inside tree is always great fun and I love to get the grand kids into the act. We make a party of trimming the tree and while they are doing that, yours truly is enjoying a Tom and Jerry or something similar. But the tree also had to take a few hits. Our daughter's dog decided the snow blanket beneath was his to chew and then he took a branch off of the tree itself. He didn't do anything like that last year. Oh well. The tree survived another year and so did we.

I never did get into the World Sweeps this year. There was just too much going on. Our grand daughter is 10 years old and she wants to get a license. She has been watching me in the ham shack and has become very interested. She has been talking it up with the girl scouts and maybe they can all get licensed. I am providing the latest material from ARRL and helping her. There is a lot of advanced stuff for a 10-year-old to learn and understand. I know she can do it.

The club has a weekly net on 147.18 with a PL of 162.2. The net is 7:00 P.M. on Tuesday evening. It is a great chance for you to try out your 2 meter or 440 radio. This month we will have guest net controllers so check in and make them feel needed!

Well, that is all I have for now. Until next month, keep on hamming and enjoying life.

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 602.998.7024 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 Nick Sues, W7ZMD at 602.992.4133.



Event Calendar

January 8, 2011 - **Thunderbird Hamfest 2011** - hosted by the Thunderbird Amateur Radio Club will be held at the Thunderbird School of Global Management, Greenway Road and 59th Avenue, Glendale. All indoor event - no tailgating. Overnight RV parking in special area with prior approval. Hours: 7:00 A.M. to noon. Seller set-up opens at 5:30 A.M. No firearms or alcohol on campus. Contact Jack Lunsford, KD7RCJ (j.lunsford@cox.net) or Roger Buel, W9NCQ (w9ncq@cox.net) for information. Web Site: <http://w7tbc.org>.

February 18 - 19, 2011 - **ARRL Arizona State Convention / Yuma Hamfest & Emergency Preparedness Show** - hosted by the Yuma Amateur Radio Hamfest Organization will be held at the Yuma County Fairgrounds, 2520 E 32nd Street, Yuma. Event hours: Friday, noon - 5:00 PM and Saturday, 8:00 AM - 5:00 PM. Gates open Thursday, 2:00 PM for camping. VE testing, hourly door prizes, grand prizes, seminars, and hospitality area. ARCA meeting at 11:00 AM Saturday. Admission \$1.00 - Free parking. Contact email - info@yumahamfest.org. Web site - www.yumahamfest.org

March, 2011 - **SpringFest** - hosted by the Scottsdale Amateur Radio Club. Watch for updates.

April, 2011 - **AARC Hamfest** - hosted by the Arizona Amateur Radio Club. Watch for details

May 7, 2011 - **Larry Warren Memorial Hamfest** - hosted by the Cochise Amateur Radio Association will be held at Green Acres, 2756 Moson Road, Sierra Vista. Watch for details.

June 4, 2011 - **White Mountain Hamfest** - hosted by the Kachina Amateur Radio Club will be held at Show Low Junior High School at 4th Avenue and Old Linden Road in Show Low. Hours are 7:00 A.M. to 1:00 P.M. Talk-In - 145.310 P1 110.9. Contact Jim Mortensen at jmmules@frontiernet.net or 928.358.8761.

July 15 - 17, 2011 - **ARCA/Williams Hamfest** - hosted by the Amateur Radio Council of Arizona will be held at the Williams Rodeo Grounds, 800 Rodeo Rd, Williams. ARCA meeting at 4:00 PM on July 16. Watch for updates.



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PATCHES - DECALS



As I write this, the Arizona Amateur Radio Club just left the American Red Cross Building where we had another successful Christmas party. Again we are convinced that there are some marvelous cooks in this organization, and our secretary suggested that we have dinners like this more often than just at Christmas time. Once again the highlight as far as entertainment goes was Bingo. We traditionally play four Bingo games, and George Cooney, KQ7C, is our Bingo Master. It's not the Bingo that is fun; it's George's presentation. His adlibs are sensational! Winners this time were Rosemary Kydd, N7PLN; Florence Baum, XYL of Dick Baum, NS7A; Jerry Weikert, WB7CLL; and Gary Hamman, K7GH. Prizes were monetary awards ranging from \$5 - \$25. Twenty-six people were in attendance, and I'm sure everyone will agree that it is nice to get together with not only members but with some of the families of those we see at monthly meetings and amateur radio events.

At the party I tried to get a little insight into New Year's resolutions that were being made with regard to amateur radio. I found that often it isn't a good idea to ask the amateur about that while in the presence of his wife, since several wives seemed to have a different opinion about what that New Year's resolution should be. Spouses seemed to be concerned about the mess extraneous antennae made in the yard and about messy desks, whereas the amateurs themselves had deeper goals. John Hainrath, K7JHK, has decided that he needs to read more technical literature in 2011. Leslie Hickey, N7LDH, has resolved to get her antennas, which were damaged by the recent hail storm, back in working condition, and George Cooney, KQ7C, has resolved to get the Echo Link setup working well. Bob Sitterley, K7POF, has decided he needs to stop buying so much equipment, having invested in two Yaesu units this year, whereas Gary Hamman, K7GH, feels that he needs to update his outdated equipment this year. Joe Cutitta, W7SLL, has resolved to get his antenna system working better and also to help a few of our members with their antenna problems. One of the gifts of being a member of an amateur radio club is help from other members, and it is great to have members who make resolutions that help other members. I, too, have made a resolution. I am ashamed to admit that it is the same one I made last year but did not fulfill. In 2011 I resolve to get the code speed back up to where it once was. I fully intended

to do that in 2010 so that I could work CW at Field Day. CW was once my favorite mode of operation, but the code speed dropped because of years of lack of use.

Once again we are beginning a new year at the AARC. It looks like a busy one for us as we start to make plans for the year. You'll be hearing about our hamfest soon. Our VE test sessions are at 7:00 P.M. the fourth Saturday of each month at the American Red Cross Building, 6135 N. Black Canyon Hwy., Phoenix. Contact Gary Hamman, K7GH, at 602-996-8148 for pre-registration. Our monthly meetings are the second Thursday of each month at the same American Red Cross Building location.

Our wishes for a Happy New Year to all.

73,
Lori Cripps, WA7EDI
602-955-7517
Cripps@cybertrails.com



*Having fun at the Christmas Party
Right to Left - John Kainrath, K7JHK; Bob Sitterley,
K7POF; Irene Kainrath; Linda Sitterley, W7POF;
Leslie Hickey, N7LDH; Florence Baum*



Sandie & Steve Tolnai, W7WSV

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.

JANUARY TEST SESSIONS

Jan 8th - Yuma ARC -- 9:00 AM

Yuma County Sheriff Office, 141 S 3rd Ave, Yuma

Contact - Robert Spencer

928.344.6466

No Walk-Ins - Must Pre-Register

Jan 8th - Thunderbird Hamfest 2011 -- 10:00 AM

Thunderbird School of Global Management, 15249 N 29th Ave,

Rm 31 Wilson Bldg, Glendale

Contact - Alfred Johnson

623.980.5853

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

City of Mesa Bldg, 640 N Mesa Dr, Mesa

Contact - Steve Gurley

480.704.3666

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

St Francis Xavier School, 4715 N Central Ave, Phoenix

Contact - John Kelly

602.264.6854

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

American Red Cross, 6135 N Black Canyon Hwy, Phoenix

Contact - Gary Hamman

602.996.8148

No Walk-Ins - Must Pre-Register by Friday Nite



Janice & Bob Hodges, K7JJT



Leslie Hickey, N5LDH fills her plate



George Cooney, KQ7C explains Bingo. From left to right: Helen Penrod; Larry Penrod, AC7FC; Rosemary Kydd, N7PLN; Ken Peloquin, N7PHO; Dick Baum, NS7A; George Cooney, KA7C (standing); Joe Cutitta, W0SLI; Leslie Hickey, N5LDH



ADAW



Artist Conception

The W7ASC shack modifications and changes are underway and should be done by this Saturday (December 18). Then we can start to put everything back together. Our current Shack [photo "W7ASC Shack 3rd floor ASC"] is undergoing renovations and improvements. [Figure 1] shows the new front of the shack with the "East" station to the left and the "West" station to the right. [Figure 2] shows the details of the West and East station and [Figure 3] the graphics on the South wall and the large monitor and QSL rack on the West wall.

Status as of 12/12: The QSL rack is ready to hang and the new cabinets are painted. New speakers (for more directed sound) are waiting to be installed. We also now have shelves for the new radio cabinets at the East and West stations. ASC is working on placing the conduit under the awning to run the antenna cables, Cat 5 cables, etc. to the west side. Additional graphics for the walls are planned to start 12/13.

Our Temporary shack [Temp Shack photo] is still marginal with cables all over the place. Looks just like a real Ham Shack. Due to possible router and/or setup difficulties we have not been able to run Echolink. The rest of the Temporary station consists of a Kenwood G707 VHF/UHF, Ham Video display (on the large screen), two computers, and the Morse code keys.

The Spring 2011 Tech License class at MCC will start February 26th. We currently have four tentatively signed up. More info on this in the class flyer [MCCFlyer.PDF]. The (Fall) 2010 class is now over and five of seven took the VE tests at the Hamfest December 4th. Thanks to Steve KY7W for getting the paperwork in the mail ASAP! Calls were posted on the FCC data base Wednesday 12/8. Congratulations to the five new Hams (note one also passed the General!):

Paul B, KF7NBE - Gretchen, KC9TKC
 Paul R, KF7NBA - Gerald, KF7NBD
 Todd, KF7NBI [General]

We have one more that will take his test in the Washington, D.C. area in January.

The W7ASC Shack can always use new W7ASC volunteers. Spread the word at your Ham Club. Call 480-961-1109 and volunteer now. We have a CARL PPT Presentation available (with pictures of the new remodeled shack) that can be presented to your club.



Figure 1



Figure 2

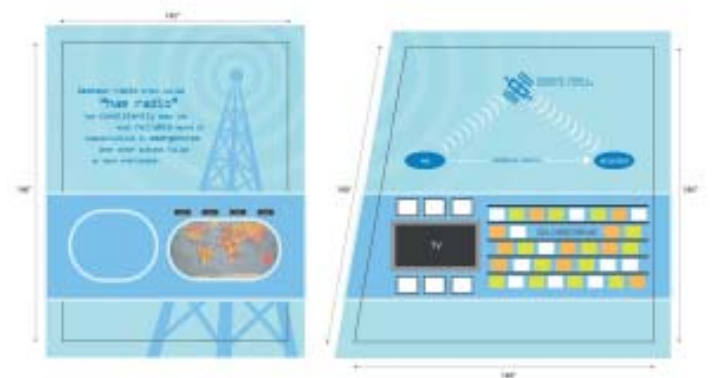


Figure 3

Old Pueblo Radio Club INTERMOD

President's Column



Temporary Shack

The Old Pueblo Radio Club held its final meeting of the year on 8 December 2010. Most officers were carried forward into the new year. Several officer and board positions remain unfilled and we hope to address this matter at our January meeting. Members desiring to serve in these capacities should attend this meeting.

Several events will take place in or near Tucson during the spring season. Be sure to check the listing to see if you may be of service.

Of course, January also begins the new membership year. The first dues payments have already been received, and we appreciate your continued support. Dues not only support the meetings, but also the three repeaters which the club operates.

The Officers and Board of the OPRC wish all the best of the season and of the new year.

73,
Ron Kalish, N7SPW
President, OPRC



W7ASC Shack 3rd Floor ASC

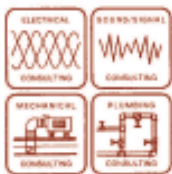
OPRC Repeaters

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

RACES Repeaters

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146.880	- PL 110.9	wide coverage	N7OEM
147.300	- PL 110.9	wide	N7OEM
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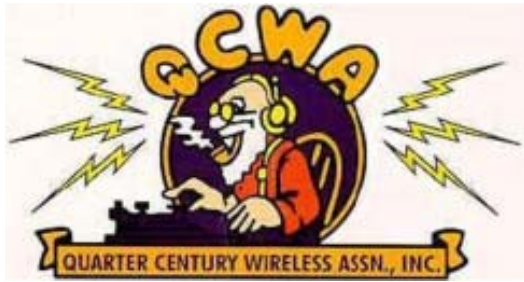
If anyone is considering a major radio shack, workshop, addition or going into business for yourself, I am offering professional Electrical, Mechanical and Plumbing Engineering services to radio club members at a 20% discount for residential property, and 10% discount for commercial property. Talking is always free.

ADAW

Want Ads

Wanted - Rohn 25/45 gin pole.

Contact Ray, W7GNE - Home: 480.998.1893



CHAPTER 16

BARRY M. GOLDWATER ARIZONA CHAPTER

Twenty-seven members and guests attended the Winter meeting of the AZ Chapter QCWA at the Horny Toad Restaurant in Cave Creek on Saturday, December 11th. President Doug Besemer, KØVPL, led introductions around the room after which a delicious buffet lunch was enjoyed by all. Following the dessert, Vice President Jean Jolkovski, W4CIH, introduced Paul Jorgenson, KE7HR, an avid caver and President of the Central Arizona Grotto, who talked to us about, "Using Radios Underground." His very interesting presentation was a compilation of recent radio experiments done using amateur HF bands to communicate through the earth. Discussion of a special trip to Carlsbad Caverns National Park to talk from the lower levels of the cave to the surface and to other parts of the cave was one of the main topics. Using five watts, SSB on 75 meters a distance, through the rock to the surface, of 780 feet was attained. Regular, off the shelf, ham radio equipment was used to also talk along the cave passage for more than a quarter of a mile. One area had a very high signal strength (S8) to the surface and further investigation will have to be done to find out why there is such a good RF path at that area. Also, discussed was using a magnetic loop antenna to do direction finding of cave passage. An audio frequency beacon and receiver are used to locate buried (cave) passage and find out where the location of that spot is on the surface. Since the magnetic field around a loop antenna is known quite precisely, estimations of the depth of the cave passage can also be made. While not strictly ham radio, using the beacon for DF is a valuable resource for hams to know.

Following a period of questions and answers, Doug conducted a business meeting. The meeting was adjourned shortly after 2:00 P.M..

The next luncheon meeting will be on Saturday, April 2nd in Tucson. The site has not yet been finalized. Tom Fagan, K7DF, ARRL AZ Section Manager, will update us on current legislation and ARRL activities.

73,
 Bob McCuskey, W7BV
 Sec./Treas., QCWA -AZ Chapter
mccuskey@email.arizona.edu

Public Service Calendar

EVENT	LOCATION	DATE
Eurand CF Cycle for Life (Cystic Fibrosis Foundation)	Casa Grande Area	01/22/11
Londons Run	Queen Creek	01/29/11
Runner's Den Road Classic	Paradise Valley Mall, Scottsdale	02/06/11
Lost Dutchman Marathon	Apache Junction	02/20/11
Ragnar Relay	Wickenburg to Tempe	02/25-26/11
ADA Tour De Cure	North Phoenix	03/12/11
Mesquite Canyon Trail Ride	White Tanks Mountain Park	03/12/11
Run Around the Runway	Scottsdale Air Park	03/19/11
Ride MS Florence	Florence	03/26/11
March of Dimes for Babies	Wesley Bolin Plaze (State Capitol)	04/09/11
Highline Trail Run	Payson	04/16/11
Pat's Run	Tempe/ASU	04/16/11
Cave Creek Trail Run	Cave Creek	04/23/11
Cactus Cha-Cha	White Tanks Mtn Park	10/08/11
Tour de Paradise	Phoenix/Paradise Valley/Anthem	10/15/11

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@n7qv.net
 Brian McCarthy, N7TUQ - 623.486.0507 - n7tuq@arrl.net



Paul Jorgenson, KE7HR, operating underground



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(714) 533-7373
(800) 854-6046
Janet, KL7MF, Mgr.
anaheim@hamradio.com

BURBANK, CA

1525 W. Magnolia Blvd., 91506
(818) 842-1786
(800) 854-6046
Eric, K8EJC, Mgr.
Magnolia between
S. Victory & Buena Vista
burbank@hamradio.com

OAKLAND, CA

2210 Livingston St., 94606
(510) 534-5757
(800) 854-6046
Mark, W17YN, Mgr.
I-880 at 23rd Ave. ramp
oakland@hamradio.com

SAN DIEGO, CA

5375 Kearny Villa Rd., 92123
(619) 500-1900
(800) 854-6046
Hay, 163 & Claremont Mesa
saddiego@hamradio.com

SUNNYVALE, CA

510 Lawrence Exp., #102, 94005
(408) 736-9406
(800) 854-6046
Jon, K6WV, Mgr.
So. from Hwy. 101
sunnyvale@hamradio.com

NEW CASTLE, DE

(Near Philadelphia)
1509 N. Dupont Hwy., 19720
(302) 322-7092
(800) 644-4476
Jim, K3JN, Mgr.
RT.13 1/4 mi., So. I-295
newcastle@hamradio.com

PORTLAND, OR

11705 S.W. Pacific Hwy.
97223
(503) 598-0555
(800) 854-6046
Leon, W7AD, Mgr.
Tigard-99W exit
from Hwy. 5 & 217
portland@hamradio.com

DENVER, CO

8400 E. 31st Ave., #8, 80231
(303) 745-7373
(800) 444-9476
John, WB1G, Mgr.
denver@hamradio.com

NEW LOCATION!

PHOENIX, AZ

10615 N. 43rd Ave., 85029
(602) 242-3515
(800) 444-9476
Gary, N7GJ, Mgr.
Corner of 43rd Ave & Pactor
phoenix@hamradio.com

ATLANTA, GA

6071 Buford Hwy., 30340
(770) 263-0700
(800) 444-7927
Mark, KJ4VD, Mgr.
Doraville, 1 mi. no. of I-285
atlanta@hamradio.com

WOODBRIIDGE, VA

(Near Washington D.C.)
14803 Bulfinch America Dr. 22101
(703) 643-1063
(800) 444-4799
Steve, W4SHG, Mgr.
Exit 161, I-95, So. to US 1
woodbridge@hamradio.com

SALEM, NH

(Near Boston)
224 N. Broadway, 03079
(603) 898-3750
(800) 444-0947
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sales@hamradio.com
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THUNDERBIRD Amateur Radio Club
and the Amateur Radio Council of Arizona will host

THUNDERBIRD HAMFEST

2011

Arizona's Only Indoor Hamfest

Saturday, January 8, 2011

at Thunderbird School of Global Management - Activity Center

59th Ave & Country Gables Lane, Glendale, AZ
(One quarter mile S. of W. Greenway Road)

**Follow the signs to the Activity Center Parking Lot
And Overflow Parking Lots**

Hamfest Hours: 7 AM to 12 Noon

Seller Registration: Begins at 5:30 AM

Sellers may setup their wares following registration.

General Admission: \$2.00 per Person

Sellers: \$5.00 for two tables (approx. 10 ft. x 8 ft.)

Extra table space at additional cost of \$5.00 per table

Door Prizes will be given away on the half hour beginning at 8:00 AM

Contact: Jack Lunsford, KD7RCJ, j.lunsford@cox.net

-or- Roger Buel, W9NCQ, w9ncq@cox.net

Talk-in on 146.700 -600 KHz, 162.2 PL or 446.150 -5 MHz, 100 PL

No Firearms, Alcohol or Drugs Permitted on the campus.

Park in Designated Areas Only

Tailgating is not Permitted

Snacks and beverages will be available for purchase on site.

QUARTZFEST*

2011

- When?** January 23rd thru 29th of 2011 (make sure you put Quartzfest 2011 on your calendar)
- Where?** 7 miles south of Quartzsite Arizona - on US 95 at La Paz Valley Road
- Who Can Attend?** **ANYONE!** If you don't have your Amateur Radio Operators License yet, we'll be offering Licensing Exams at 10:30am on January 25th, 2011.
- What?** Quartzfest is an annual HAM Radio RV'ers Boondocking event which is held in late January every year with dates coinciding with the Quartzsite Arizona "RV Show".

During the week of Quartzfest, RV's are everywhere across the desert, as far as you can see..every make and model you can imagine! There are hundreds of groups that meet in Quartzsite every year in different parts of the desert who share like interests. Our Annual Amateur Radio event is called "QuartzFest" and is open to ALL to attend. QuartzFest is not a club, no officers, no budget, no dues and is not affiliated with or sanctioned by any organization. QuartzFest's continued success exists because of the many HAM's dedicated to seeing it go on year after year, all of whom are volunteers. Quartzfest started out about 12 years ago and is just a bunch of HAM's getting together, camping in their RV's in the middle of the desert..no power, no restrooms, no running water. Solar Panels and Generators are in use everywhere (if you run your generator, you've got to be courteous to your neighbors). If you want to see how well you're prepared and how long you'll be able to hold out in the event of an emergency or disaster, "Boondocking" in the desert for a week will show you.

Quartzfest is similar to a mini-HamFest with a week full of scheduled activities. Seminars range in topics from Genealogy and Crafts for Non-HAM's to Technical information for the seasoned HAM, and introductory information for the new HAM. Also included in the week's activities are VE Testing, Antenna Shoot Out, Antenna Walkabout (touring other HAM's RV Antenna installations), 4x4 Trip in the Desert, Campfires..some with musical entertainment, Movies using the side of an RV as a screen, Hobo Stew, Shopping, Shopping, Shopping, and lot's more!

Cost? Camping on BLM (Bureau of Land Management) land is absolutely FREE!! and you can camp there for up to 2 weeks.

For more information, visit www.quartzfest.org

or

email our Quartzfest 2011 Organizers

Steve and Linda Weed

KO4QT KI6JUD

organizer@quartzfest.org

The Desert RATS and the Palm Springs DX Club



Invite you to attend our

HAMFEST - PICNIC - RAFFLE - WINTER FIELD DAY

On Saturday , January 30, 2010

From 9:30 A.M. to 4:30 P.M.

PLACE:

the BARN at "the Boskovich's Estate" Gary, KD6QLT & Susie, KD6TVO.

DIRECTIONS:

From the west: Take I-10 East to Palm Drive Exit.
Turn Right onto Gene Autry Trail
(becomes Matthew Dr. as it crosses Hwy. 111/E.
Palm Canyon at Von's Market))
4193 Matthew Dr. is on left

From East: Take I-10 to Palm Drive Exit
Turn Left onto Gene Autry Trail.
(becomes Matthew Dr. as it crosses Hwy. 111/E.
Palm Canyon at Von's Market))
4193 Matthew Dr. is on Left

We are encouraging folks to bring their musical instruments and join in an evening of Jamming on the Saturday night...

Bring your ham gear to sell, no fee charged for selling if you bring own table and chairs. Maybe you only have one or 2 items for sale put it on our single items table with a sign and tell us your reserve price... (for a small commission to the club) ...we'll handle the sale. Set-up time 7:00-9:00 AM.

**Visit our
website!**



<http://www.desertrats.am>

Web Promotion and Special Events
Station for Winter FIELD DAY:
Peter Reinzuch, VE7REZ~President of 'the
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760-328-9662 sboskovich@dc.rr.com Gary Boskovich KD6QLT Event Coordinator
760-340-4894 ritasteffen@aol.com Bart Susman K6UNR Event Promotions
(contact Bart to make reservations for vendor & flea market space~~book early!)
760-328-9662 sboskovich@dc.rr.com Susie Boskovich KD6QVO Secretary

Nearby Hotel: Holiday Inn, corner Sunrise & E. Palm Canyon, Palm Springs - 2 miles west of Gene Autry Tr.
760-323-1711 Mention Desert RATS or Palm Springs DX club for special \$85.00 room rate.

RSVP: RV Dry Camping reservations: sboskovich@dc.rr.com

Talk-in frequency: 146.940- PL 107.2 Desert RATpeater