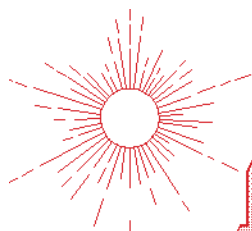


**ADAW**  
4529 W. Park Place  
Glendale, AZ 85306-1512



*Happy 4th of July!*



**ADAW**

**Arizona Desert Aire Waves**

Vol 39, No 7

July 2014

**CLUB MEETINGS SCHEDULE**

**SARC**

Jul 2nd  
Scottsdale Senior Center  
7:00 PM

**AARC**

Jul 10th  
Red Cross Bldg. - Phx  
7:30 PM

**OPRC**

Sep 10th  
Marshall Conference Ctr  
at Tucson Medical Ctr  
7:15 PM

**TBARC**

Jul 17th  
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**

October  
TBA  
Phoenix Area  
12:00 PM

**WVARC**

Jul 7th  
St Clement Catholic Church  
Social Hall  
7:00 PM

**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.

# 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	602.274.6212
Secretary	Rosemary Kydd	N7LPN	623.980.7282
Treasurer	Bob Hodges	K7JTT	602.274.1647
Activities Mgr	Joe Cutitta	W0SLI	623.215.2226
Membership	Bob Hodges	K7JTT	480.802.1158

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

## CENTER FOR AMATEUR RADIO LEARNING

The Center for Amateur Radio Learning is a hands-on amateur radio station, W7ASC, located within the Arizona Science Center at 600 E. Washington, Phoenix. Board meetings are held the last month of each quarter at the AZ Science Center. Annual meeting for all volunteers is held the **THIRD SATURDAY** of January. Watch ADAW for details.

President	Bob 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](mailto: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](http://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	<a href="mailto:motoman1@aol.com">motoman1@aol.com</a>
Vice President	Bill Martin, AI0D	<a href="mailto:ai0d@hotmail.com">ai0d@hotmail.com</a>
Sec/Treasurer	Robert McCuskey, W7BV	<a href="mailto:mccuskey@email.arizona.edu">mccuskey@email.arizona.edu</a>
Webmaster	Robert Smith, WB6ODR	<a href="mailto:lrsmith@cableone.net">lrsmith@cableone.net</a>

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

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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](http://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](mailto: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	K7JS	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	W0SLL	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**

## The Amateur's Code

1. The Amateur is Considerate . . . He never knowingly uses the air in such a way as to lessen the pleasure of others.

2. The Amateur is Loyal . . . He offers his loyalty, encouragement and support to his fellow radio amateurs, his local club and to the American Radio Relay League, through which Amateur Radio is represented.

3. The Amateur is Progressive . . . He keeps his station abreast of science. It is well-built and efficient. His operating practice is above reproach.

4. The Amateur is Friendly . . . Slow and patient sending when requested, friendly advice and counsel to the beginner, kindly assistance cooperation and consideration for the interests of others; these are marks of the amateur spirit.

5. The Amateur is Balanced . . . Radio is his hobby. He never allows it to interfere with any of the duties he owes to his home, his job, his school, or his community.

6. The Amateur is Patriotic . . . His knowledge and his station are always ready for the service of his country and his community.

Paul M. Segal

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## FROM THE EDITOR'S DESK

Did any of you get to Show Low for the Kachina Club's White Mountain Hamfest? Haven't heard a word from anyone on the event. If you got a chance to go, why not write a paragraph or two about your experiences to share with the rest of the ADAW readers?

The next event in Arizona is the annual ARCA/Williams Hamfest. This year the 2014 ARRL Arizona State Convention will be held in conjunction with the hamfest. New this year is an earlier opening time. The grounds will open on Thursday at noon. Registration for spaces/camping etc. will open at 2:00 P.M..

There are lots of activities being planned to keep you busy during (and after) the scheduled meetings and seminars. A no-host hospitality suite will be set up in one of the tents on the grounds on Friday evening. Tentative hours will be 7:00 P.M. - 10:00 P.M.. Snacks and beverages (of the soft variety) will be provided for your enjoyment. Of course, you can "bring your own," if you prefer. Come join us for some socializing after a long day of "hamfesting."

A star party is also planned for Friday night. It is scheduled to begin after moon set (around 10:00 P.M.), weather permitting. The dark skies of Williams provide an excellent venue for star gazing. If you are interested in astrology, or just like looking to the heavens, join us.

The annual Saturday night barbecue at Railside RV Ranch will be held again this year. Tammara and Pat Dora cook up an excellent spread for dinner and you won't go away hungry. Tickets for the dinner will be available at registration and at the ARCA table in the Main Hall.

And, of course, there's the train trip to the Grand Canyon aboard the Grand Canyon Railroad. Enjoy the scenic ride to the canyon, gaze upon the magnificence of one of the "Seven Wonders of the World," have lunch, visit the shops and exhibits then board the train for a relaxing ride back to town. No fighting traffic, circling to find a parking spot, walking from a distant parking space, just no hassles! It's great. There's a second class of ticket available this year that makes the trip more affordable also, especially for a family. The trip is well worth sticking around for.

There are also some tentative plans to have a "party" at Wild West Junction on Thursday evening with music and special prices on dinner, but this has not yet been confirmed. A special price on a prime rib dinner at Doc Holliday's in the Ramada Inn on Friday is also in talks. So keep checking the ARCA web site at [www.arca-az.org](http://www.arca-az.org) for updated information. Click on the "July Hamfest" link, and then the "Activities" link.

August will be a hot and dry month (that is if we don't get monsoon activity) with no ham activities occurring - at least none that are known of at the present time. Public Service events will begin again in September. The 2014 ARRL Southwestern Division Convention will be held in San Diego in September also. Check the Event Calendar on page 8 for all the details. The next Arizona hamfest will be in October in Kingman, but more on that later.

Hope to see you in Williams. It's bound to be a lot of fun, and cooler than the valley, too.

Til Next Month,  
Chris, N7PVL

## 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 Pleasant	W of Lake Pleasant	12/13/14
Fiesta Bowl Half Marathon	Scottsdale Civic Center	12/14/14
Xterra - White Tanks	Waddell	01/04/15
JROTC Lake Pleasant	W of Lake Pleasant	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 - Blanco 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@yahoo.com](mailto:mcecg@yahoo.com)  
MCECG on the Web [MCECG.ORG](http://MCECG.ORG) for event sign up  
For information on events, join - [azhamserve@egroups.com](mailto:azhamserve@egroups.com)

Jim Pierce, N7QVW - 623.551.1204 - [jim@n7qvw.net](mailto:jim@n7qvw.net)  
Brian McCarthy, N7TUQ - 623.486.0507 - [n7tuq@arrl.net](mailto:n7tuq@arrl.net)

ADAW



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## SCOTTSDALE AMATEUR RADIO CLUB, INC.



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

The club Board of Directors has been working for months, with the FCC, on changing the club call sign from WA7APE to W7UF. The new call sign was Silent Key Tom Barry's call sign. Tom's wife, Margaret, has given the club her blessing to use his call. This change is in honor of our former Treasurer of many years and our great friend. At the June club meeting, Paul Jorgenson, KE7HR, our repeater control operator, made the announcement. The FCC has approved the change and our call sign is now W7UF.

The program for the June general club meeting was about the ARRL Field Day event to be held later this month on the 28th and 29th. Unlike previous years, this year the club is going to stay in town for the event. Arrangements have been made for the use of silent key Tom Barry's ham shack in north Scottsdale. The shack is air conditioned and can accommodate three or even four stations. All of the old antennas have been taken down so we will have to erect new ones. There will be work parties at the site the week before the event to put up a pair of dipole antennas and maybe a vertical. The property is an acre in size so there is plenty of room for them. It is fitting we should use Tom's ham shack for this event because we will be using our new call sign which was his. In the past we operated 4A but this time we will be 3 or 4D. We will be on city power instead of generators. Less noise and no danger from fueling a warm generator. We do not plan on being competitive, just having fun.

With this event coming up it is natural to practice our radio technique. That means getting the new batteries in the equipment and testing everything to make sure it works. Since we will be in town, it is not critical to have everything handy because the stores are close by but it is still a good idea. Of course, we are checking the bands and the solar flux, etc. The bands have not been very good lately but there is hope they will improve for the event. It is always fun to work field day because there will be a lot of contacts even if the bands are not wide open. I will have a full report next month.

The fourth of July is another great time for summer fun. I am sure most of you are planning on a family picnic around that time. Our clan loves to congregate around the pool and pig out on the gastronomical delights provided by the gals. That is hot dogs and hamburgers. And potato salad, chef salad, coleslaw and corn on the cob! And watermelon! Our kids, grand kids and great grand kids all swim like fish so we play games in the pool. They love to dive to the bottom to collect coins I toss in. We set up little contest for the youngest ones on who can cross the pool first. I am looking forward to the party and the long week end that follows.

There is one thing about summer in the desert, it sure takes a toll on our vehicles. With the high heat, the batteries die. Cooling systems need attention and the air-conditioning systems fail. Thank goodness for AAA. I have heard a few horror stories lately about these problems and I am sure you have as well. So make sure your vehicle is in good shape before taking off for parts unknown. And don't forget to take your

radio with you. They get through sometimes when cell phones don't. And don't forget the WATER!

We have our 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.

Well, that is all I have for now. I hope you are all well and looking forward to a great summer 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 Finell, W7EFQ at 602.741.6563 for information on estate donations and equipment pick-up.**

**For membership information, call Gerald Jacques, KE7GYM at 480.239.8679. Please send address change requests to Gerald no later than the 7th of the month in which you would like the change to occur.**

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



## Want Ads

**Wanted** - Rohn 25/45 gin pole.

Contact Ray, W7GNE - Home: 480.998.1893

## 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.

### July Test Sessions

**Jul 3rd** - 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](mailto:veregistration@rstclub.org)

**Jul 5th** - DeVry ARC & West Valley ARC -- 9:00 AM

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

**Jul 9th** - 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

**Jul 12th** - Yuma ARC -- 9:00 AM

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

**Jul 14th** - Radio Society of Tucson -- 7:00 PM

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

**Jul 19th** - ARCA/Williams Hamfest & CARC -- 9:00 AM

Railside RV Ranch Clubhouse, 877 E Rodeo Rd, Williams  
 Contact - Roderick Martin 928.527.1139

**Jul 21st** - East Valley VE Team -- 6:00 PM

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

**Jul 22th** - Thunderbird ARC -- 11:00 AM

LDS Bldg, 15018 N 39th Ave, Phoenix  
 Contact - James Skinnell 602.826.1949

**Jul 26th** - 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

# Old Pueblo Radio Club INTERMOD

## President's Column

The Old Pueblo Radio Club is enjoying its summer hiatus with its members doing what we do best this time of this year – trying to stay cool. Meetings will resume in September.

73 de  
 Ron Kalish, N7SPW  
 President, OPRC



### OPRC Repeaters

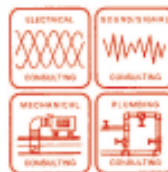
<b>146.66</b>	- PL 110.9	wide coverage	<b>W7GV</b>
<b>146.82</b>	- PL 110.9	wide coverage	<b>W7GV</b>
<b>147.22</b>	- PL 110.9	wide coverage	<b>W7GV</b>

### RACES Repeaters

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



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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.



## Demographics, etc.

There was a recent news article that dealt with Demographics here in the U.S. Would you believe that the largest age group is now 22? YES – 22!

If Amateur Radio is representative of the general population, we, too, should see the same statistic. Do we? Your nosy scribe did some research, but was unable to find the answer. Leaning entirely on observations, however, it seems that the Ham community is quite a bit older. Look through the pages of QST and most of the pictures are of older people.

The latest License class at that Arizona Science Center was attended by eager folks who seemed to be a bit older than 22. The ranks of the Volunteers at W7ASC are not that young, either. No doubt the Science Center is not a valid platform from which to observe age distribution. Granted that. Where do we go to obtain a valid set of data? While we wait for an answer to that burning question, why should we care about the Demographics of our avocation? Your dutiful scribe thinks that the answer is obvious. Hear us out.

First of all, it is inevitable that we will lose Hams to the ravages of time. SK status is truly inevitable. The only way to avoid it is to allow your license to expire. So we need replacements, if we wish to stay relevant.

Then there is that pesky ratio thing. Our Nation's population continues to grow. In order for Ham radio to stay as a fixed percentage of that population, we too must increase our ranks. And in order to match the national demographics, we must add youngsters. To some extent, that is happening. The Boy Scouts, in some areas, bring Scouts into Ham radio [JOTA and other events]. The Merit badge program helps. Perhaps the Girl Scouts do the same [They do have a Scout Technology Badge]. All of that helps. And every Ham who is able should be helping those Scout leaders. Is all of that action enough?

You might have seen this coming. Volunteering at W7ASC can help with the recruiting of new young Hams. We certainly have the opportunity to engage visitors – to tell them what it is that they are missing. Perhaps you never looked at it that way. If we stop recruiting, we shrink and disappear. Volunteers are the thumbs in the dike of mortality. Call Bob KG7QJ and tell him that you want a shot at holding Father Time at bay.

There is a loose-leaf binder at the Station in which visiting Hams record their visit. Think of it as an eyeball QSO log. If you think that the Science Center is just for locals, this Log will open your eyes. In a rare quiet moment, your diligent scribe went through the many pages. Amazing! It is likely that we hit Visitor WAS a long time ago. And there is plenty of DX recorded there. If you take pride and pleasure in the reach of Ham radio, take the time to look at this log when next you visit W7ASC, whether just for a visit or as a Volunteer. When you

do volunteer, try to remember to have visiting Hams log in. That binder is plainly marked "Visitor Log." You will find it on the little shelf that is just to the left of the West operating station. On that same shelf you can find the Boy Scout Communication merit badge Manual.

This News item will probably never be seen on National Network TV, but it matters to us. Bob, KG7QJ has been teaching the Technician license class at the Science Center for quite a while and at MCC before that. He deserves credit for a number of new licensees each year, dating back to the time when Hiram Percy Maxim was still in knickerbockers. A long time. Yup! Year after year, plugging along down in the basement of the Science Center, for about 18 Saturdays each year.

Out of the last class came an eager new Ham who saw a calling! Or did he hear a calling? Kent KR7FUG has stepped in to assist. The next tech class will be in August with the new Tech question pool. There is more to Volunteering than just teaching those Cherubs how to do Morse code! Or explaining to other visitors that Amateur Radio is not "some kind of super CB" as a talking TV news-head described it.

July can be very busy at the Arizona Science Center. Hot weather drives people into the comfort of the cool interior, once inside they tend to stay inside. That gives the Volunteers at the station a chance to chat and explain. The large monitor has been moved to the shack exterior, the Volunteers on duty can run some of the many dramatic Ham radio videos that are stored on the computer. And there is at least one point here – if you have, or find, a Ham radio video that you think might attract Visitor interest, forward it to Bob KG7QJ together with a note suggesting that it be added to the Shack library.

Whether you intend to Volunteer or not, visit the Station and bring your family. Set up a schedule with a distant Ham on VHF, UHF, HF or Echolink. If they can follow the onscreen text, even PSK31 can be fun. Use the Station as an extension of your own, but remember – the Visitor always comes first.

Have a story that would do well in this Newsletter? Send it, please, to [jeanjol@hotmail.com](mailto:jeanjol@hotmail.com)

73 de Jean W4CIH

ADAW



## Event Calendar

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](http://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 (PI 107.3). Web Site: <http://sandarc.net/convention2014>. Contact: Paul Rios, KC6QLS at 619.334.0441 (email - [kc6qls@cox.net](mailto: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](mailto:bill021@gmail.com)) or Kevin Walsh at 928.514.4237 ([kd7hve@msn.com](mailto:kd7hve@msn.com)). Web Site: <http://k7mpr.net>.

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 Vendors - \$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! Web Site: [tucsonhamradio.com/tucson-hamfest](http://tucsonhamradio.com/tucson-hamfest).

15 November 2014 - **HARKFEST Tailgate Hamfest** - hosted by the Hassayampa Amateur Radio Klub will be held at the North Ranch Escapees RV Park, 30625 S Highway 89 in Congress. Hours are 7:00 AM - Noon. Free Admission, Free Tailgating. Registration required - register at [n0daj1950@gmail.com](mailto:n0daj1950@gmail.com). Overnight camping (full hook-up or dry available) - requires pre-registration at [www.escapees.com/parking/congress](http://www.escapees.com/parking/congress). Tailgating permitted at campsite. Free VE testing - 9:00 AM at the Club House. Prizes, Arts & Crafts Show, Lunch available. Talk-In: 146.620 (PI 162.2) or 146.580 (simplex).

10 January 2015 - **Thunderbird Hamfest** - hosted by the Thunderbird Amateur Radio Club will be held at Northwest Community Church, 16615 N 43rd Avenue in Phoenix. Hours are 8:00 AM (Vendors 7:00 AM) to 12:00 Noon. Spaces - \$10 per parking space. Admission - \$2.00 per person. VE testing 10:00 AM until 11:30 AM. Test fee - \$15.00. Door prizes every half hour - Snacks and Beverages will be available. Talk-In 146.700 - 600 KHz (162.2 PL) or 446.150 - 5 MHz (100 PL). Contact [hamfest@w7tbc.org](mailto:hamfest@w7tbc.org) for more information.

20 - 21 February 2015 - **Yuma Hamfest** - hosted by the Yuma Amateur Radio Hamfest Organization will be held at the Yuma County Fairgrounds, 2520 E 32nd Street in Yuma. Visit web site at [www.yamahamfest.org](http://www.yamahamfest.org) for more information.



My much anticipated cruise from the Netherlands to Norway is now history. It was as perfect as any travel brochures could ever describe it, and we have already written reams about it in our thirteen days of logs and emails. Do you suppose the degree of success of a trip could be determined by counting the number of photos taken? We took 1,510 photos plus two hours of video! What do you think?

In Oslo, Norway we were treated to a visit to the Kon-Tiki Museum, one of the highlights of the trip. There we saw the original items related to ham radio that were carried on that raft used by Norwegian explorer and writer Thor Heyerdahl in his 1947 expedition across the Pacific Ocean from South America to the Polynesian islands. The trip began on April 28, 1947. The purpose of the trip was to prove that people from South America could have settled in Polynesia instead of people from Asia, as was believed at the time.

Are you surprised that ham radio was their sole method of communication while crossing the Pacific Ocean? Their call sign was LI2B. At breakfast last Saturday, a friend, WA7BRV, joined us and brought with him a photocopy of a QSL that Liscum Diven, then W2HHF, had sent to LI2B for a contact he made with Kon-Tiki on 20 Meters on June 9, 1947. Liscum was a Scottsdale Motorola. Kon-Tiki's transmitters were powered by batteries and a hand-cranked generator. We saw their Gibson Girl, as it was called, on display there. The 6-member Kon-Tiki group operated on the 40-, 20-, 10-, and 6-meter bands. Each unit included 2E30 vacuum tubes providing 10 watts of RF input and approximately 6 watts of output. Their radio receiver was an NC-173. The signal report that Liscum sent to them on his QSL was 569. Obviously ham radio was an effective method of communication.

My impressions of the Kon-Tiki? It was much larger than I expected it to be, but then there were six passengers who were traveling a long distance for an extended period of time. Thor Heyerdahl and his five companions sailed the raft for 101 days over 6900 km (4,300 miles) across the Pacific Ocean before smashing into a reef at Raroia in the Tuamotu Islands in French Polynesia on August 7, 1947.

The Kon-Tiki Museum ranks high as far as tourist sights on this trip. It was impressive to see the display with amateur radio equipment as well as the original log book LI2B used, their ARRL Handbook, the Kon-Tiki expedition chronometer (COSD Longines Paratrooper WWII Military Model), and their CW key. For me, the Kon-Tiki Museum put an adventure that I had heard of for many years into a realistic perspective.

73,  
Lori, WA7EDI  
[cripps@cybertrails.com](mailto:cripps@cybertrails.com) -- (602) 955-7517

ADAW





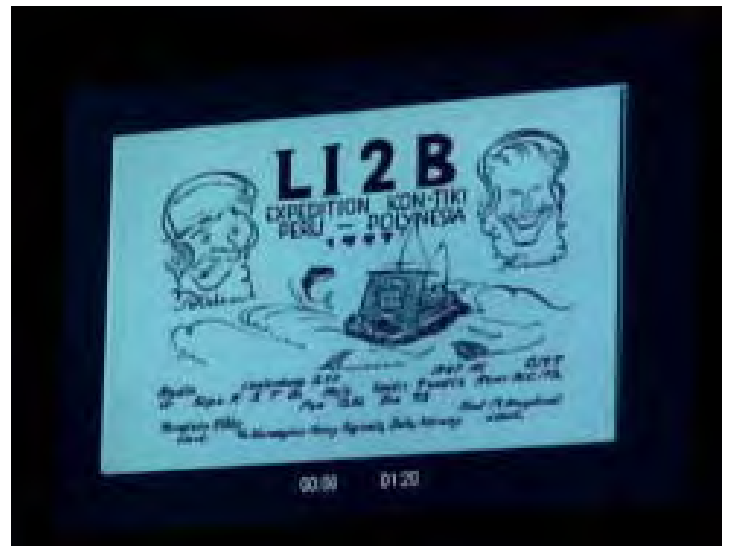
This is the Kon-Tiki. Although the photo is dark, you can get some idea of the size of the raft.



These six men comprised Kon-Tiki's crew on its voyage from Peru to French Polynesia.



This display case holds the vintage items of amateur radio which played a major part in the Kon-Tiki's voyage.



This is the QSL card used by LI2B, the Kon-Tiki station.



This is the QSL card which Liscum Diven, W2HHF sent to the Kon-Tiki after he made his 20 meter contact with LI2B.



*No Report This Month.*



CHAPTER 16  
BARRY M. GOLDWATER ARIZONA CHAPTER

*No Report This Month.*

**ADAW**

**Real Estate**

*Are you or someone you know looking for a Ham Home?  
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tower can be added. Call or email me to get started.*

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**SHORT SKIP**

*School's on summer break so no news for  
awhile. ARDG will catch up in August.*

*No News This Month.*

**For Sale**

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

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.

**ADAW**

**ADAW**

**Need Computer Help?**

*Computer consultant: in-home tutoring, problem solving, hardware and software installations, virus detection and removal. I am Patient and professional with 30 plus years in the computer field.*

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*L.E. Purchase Computer Consultants, Inc.*

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**GO KIT EMERGENCY COMMUNICATIONS GEAR IDEAS??**



At our monthly meeting, we had a presentation on batteries by Dave Zinder W7PMD, with his wife Harriett assisting, that enlightened everyone on all battery types from a simple galvanized nail and a piece of copper wire and vinegar with output at .834 volts to some of the latest technology, the lithium battery that has a lot of power in a small lite package. It costs more, but is worth it for portable ecomm.

Bob KG7FIL@arrl.net

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Eric, K6EJC, Mgr.  
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burbank@hamradio.com

## OAKLAND, CA

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Nick, AK6DX, Mgr.  
I-880 at 23rd Ave. ramp  
oakland@hamradio.com

## SAN DIEGO, CA

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(858) 560-4900

(877) 520-9623

Jerry, N5MCJ, Mgr.  
Hwy. 163 & Claremont Mesa  
sandiego@hamradio.com

## SUNNYVALE, CA

510 Lawrence Exp. #102  
94085  
(408) 736-9496

(877) 892-1749

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

Ken, N2OHD, Mgr.  
RT.13 1/4 mi., So. I-295  
delaware@hamradio.com

## PORTLAND, OR

11705 S.W. Pacific Hwy.  
97223  
(503) 598-0555

(800) 765-4267

Leon, W7AD, Mgr.  
Tigard-99W exit  
from Hwy. 5 & 217  
portland@hamradio.com

## DENVER, CO

8400 E. Hliff Ave. #9, 80231  
(303) 745-7373

(800) 444-9476

John W0IG, Mgr.  
denver@hamradio.com

## PHOENIX, AZ

10613 N. 43rd Ave., 85029  
(602) 242-3515

(800) 559-7388

Gary, N7GJ, Mgr.  
Corner of 43rd Ave. & Peoria  
phoenix@hamradio.com

## ATLANTA, GA

6071 Buford Hwy., 30340  
(770) 263-0700

(800) 444-7927

Mark, KJ4VO, Mgr.  
Doraville, 1 mi. no. of I-285  
atlanta@hamradio.com

## WOODBRIIDGE, VA

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22191

(703) 643-1063

(800) 444-4799

Steve, W4SHG, Mgr.  
Exit 161, I-95, So. to US 1  
virginia@hamradio.com

## SALEM, NH

(Near Boston)  
224 N. Broadway, 03079  
(603) 898-3750

(800) 444-0047

Dave, N1EDU, Mgr.  
Exit 1, I-93;  
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### FTDX1200 100W HF + 6M Transceiver

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



### FTDX5000MP 200W HF + 6M Transceiver

- Station Monitor SM-5000 (Included) • 0.05ppm OCXO (Included) • 300Hz, 600Hz & 3KHz Roofing filters (Included)



### FTDX3000 100W HF + 6M Transceiver

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

Call For Low Pricing!



### FT-450D 100W HF + 6M Transceiver

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

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### FT-897D VHF/UHF/HF Transceiver

- HF/6M/2M/70CM • DSP Built-in • HF 100W (20W battery) • Optional P.S. + Tuner • TCXO Built-in

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### FT-857D Ultra Compact HF/VHF/UHF

- 100w HF/6M, 50W 2M, 20W UHF • DSP included • 32 color display • 200 mems • Detachable front panel (YSK-857 required)

Call For Low Price!



### FT-7900R 2M/440 Mobile

- 50W 2M, 45W on 440MHz • Weather Alert • 1000+ Memories • WIRES capability • Wideband receiver (cell blocked)

Call Now For Your Low Price!



### FT-8800R 2M/440 Mobile

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

Call Now For Low Pricing!



### FTM-4000R 2M/440 Mobile

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

### FT1DR 5W Digital Xcvr

- 1200/9600bps AX.25 APRS & GPS Recvr Built-in • Dual Band Operation w/Dual Recvrs (V+V/U+V/V+U) • Wideband Receive/AM Bar Antenna/Aircraft Receive • 1266 Memory Channels w/16 Char Alpha Tagging

Also Available in Silver!

### VX-6R 2M/220/440 HT

- Wideband RX - 900 memories • 5W 2/440, 1.5W 220 MHz TX • Li-ION Battery - EAI system • Fully submersible to 3 ft. • CW trainer built-in

New Low Price!

### VX-8DR

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

### FT-60R 2M/440 5W HT

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

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## 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*



WILLIAMS RODEO GROUNDS, 800 RODEO ROAD, WILLIAMS, AZ  
GATES OPEN AT NOON THURSDAY JULY 17  
MAIN HALL OPENS AT 8:00 A.M. FRIDAY, JULY 18

## FREE ADMISSION!

### JULY 20, 2014 - GRAND CANYON TRAIN TRIP

#### MAIN PRIZES

- Grand Prize - Yaesu FT-897D HF/6M/2M/70CM Mobile
- Second Prize - ICOM ID-31A UHF HT with D-Star
- Third Prize - Yaesu FT-60R 2M/70CM HT with wide receive
- Fourth Prize - Argent Data APRS Tracker & GPS  
with Baofeng HT/Complete Combo Kit
- Early Bird - Baofeng 5R dual-band HT

ALL OUTSIDE SPACES - \$20 per Space  
Selling and/or Camping

INSIDE SPACES - \$85 per Space

Advance Reservation Closes July 1

After July 1 - On-Site Reservation Only

\$25 per Space

(all prices are for entire weekend)

## PRIZES

DOOR PRIZES EVERY HOUR  
RAFFLE TICKETS

12 for \$20.00, or 3 for \$5.00

Commercial Vendors, Huge Swap  
Meetings, Seminars, Activities, VE Tests  
ARRL Card Checking, Hospitality Suite  
Saturday Night BBQ Dinner  
Sunday Grand Canyon Train Trip



FOR RESERVATION INFORMATION

Visit the ARCA Web Site

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

On-Line Reservation Available on Web Site

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

Talk-In - 146.78 - (91.5 PI)

**W7W SPECIAL EVENT STATION**

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

# 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](mailto:kc6qls@cox.net). Check with Ann Rios, KC6TBG at [kc6tbg@cox.net](mailto: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](mailto:mastroleo@mindspring.com).

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

# Tucson Hamfest 2014



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

**November 8, 2014**

**Marana Middle School**

**11279 West Grier Road**

**Marana Arizona 85653**

Gates open at 7:00 AM (5:00am for  
sellers) and close at 1:00 PM

Admission: **\$5.00** includes a bottle  
of water and 1 free raffle ticket.  
Children under 12 admitted free.

**Students free with any  
school ID**

**Commercial Vendors \$30.00**

**Tailgaters \$10.00** includes 1  
admission ticket

**Great Fun!**

**Great Food Truck!**

**Great Raffle Prizes!**

**VE Session @ 11:00 AM**

**Interesting Seminars!**

Topics TBD

**ARRL Award Card Checking!**

Directions to Marana Middle School - [Talk in on the QVARC Repeater System](#)





ARRL Card Checking

# HARKFEST Tailgate Hamfest

Presented by HARK (Hassayampa Amateur Radio Klub)

Sponsored by RFStuff

**Nov. 15, 2014**

**7 am - noon**

**North Ranch Escapees RV Park  
30625 S. HWY 89, Congress, AZ 85332**

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

Register at [n0daj1950@gmail.com](mailto:n0daj1950@gmail.com)

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

(pre-registration required at [www.escapees.com/parking/congress](http://www.escapees.com/parking/congress))

Tailgating allowed at campsite

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

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

**Second Prize, Yaesu FT-60R Dual Band H/T**

**Third Prize, Tram 1480 8ft Dual Band Antenna**

(donated by RFStuff)

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

**Door Prizes**

**Vendors**

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

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

**Lunch available, served by the "North Ranch Busy Bakers"  
(beginning at 10:30 am)**





# ***Thunderbird Hamfest 2015***

**Saturday, January 10, 2015**

**Outside - Tailgating**

**Thunderbird Amateur Radio Club, ARRL  
and Amateur Radio Council of Arizona will host**

## **Location:**

Northwest Community Church  
16615 N. 43rd Ave  
Phoenix, AZ 85053

(Just south of Bell Road on the East side of 43rd Ave.)

## **Date:**

Saturday January 10, 2015

## **Time:**

Open to Vendors at 7:00 AM

Open to Public from 8:00 AM to 12:00 Noon

Commercial Vendors can set up Friday night after 5:00 PM

**Vendors must supply their own tables**

## **Cost:**

Vendor: \$10.00 per Parking Spot

General Admission: \$2.00 per person

## **Additional info:**

- Door Prizes will be given away on the half hour beginning at 9:00 AM
- VE Testing on-site in Classroom E110 from 10:00 AM to 11:30 AM. Exam Fee \$15.00
- Talk-in on 146.700 -600 KHz, 162.2 PL or 446.150 -5 MHz, 100 PL.
- **No Firearms, Alcohol or Drugs Permitted**
- Please park in designated areas only
- **Snacks and beverages will be available for purchase on site**

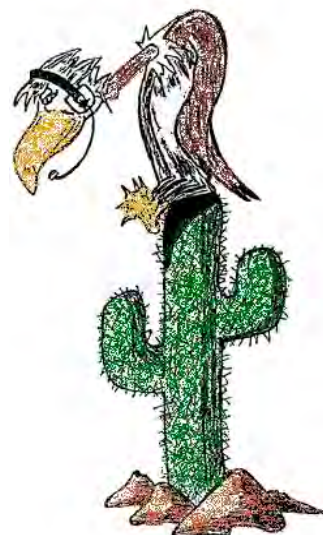
[hamfest@w7tbc.org](mailto:hamfest@w7tbc.org)

# ***2015 Arizona Section Convention***

## ***Yuma Hamfest***

***Yuma, Arizona***

***Feb. 20 & 21, 2015***



Yuma County Fairgrounds  
2520 East 32<sup>nd</sup> Street, Yuma, Arizona

***[www.yumahamfest.org](http://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	Hamfest Dinner & Grand Prize Drawing Saturday Night 6:00 - 8:00 pm
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**Vendors & Exhibitors**  
**Consignment Sales**  
**License Testing**  
**Hourly Door Prizes**  
**On-site RV Camping**  
**Hamfest Dinner**  
**ARRL Speaker**  
**Transmitter Hunt**  
**\$5.00 Admission**

**Tailgating (Swap Meet)**  
**Full Seminar Schedule**  
**DXCC Card Checking**  
**Incredible Grand Prizes**  
**Emergency Preparedness**  
**Admission Prize**  
**Hospitality Area**  
**Near Space Balloon Launch**  
**Antenna Clinic**

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