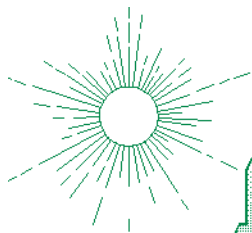


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Air Waves

Vol 40, No 12

December 2015

CLUB MEETINGS SCHEDULE

SARC

Dec 2nd
Scottsdale Community College
7:00 PM

AARC

Dec 10th
Red Cross Bldg. - Phx
6:00 PM

OPRC

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

TBARC

Dec 8th
Old Country Buffet
79th Avenue, Glendale
6:00 PM

CLUB MEETINGS SCHEDULE

CARL

Jan 16th
AZ Science Center
10:00 AM

ARDG

Every Wednesday
Phoenix Country Day School
11:10 AM

QCWA

December
TBA
Carefree Area
12:00 PM

WVARC

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

SuperstitionARC

Dec 8th
Golden Corral, Power Rd, Mesa
6:00 PM

ARA

Jan 25th
Denny's Restaurant - Tempe
7:30 PM

MARCA

Dec 15th
Denny's Restaurant - Tempe
6:30 PM

MARA

Dec 26th
Barrow's Pizza
9:00 AM

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. at the American Red Cross Building at 4747 N 22nd St. in Phoenix. Visit web site at www.W7IO.org for map. Visitors are welcome.

President	Gary Hamman	K7GH	602.996.8148
Vice President	Joe Cutitta	W0SL	623.215.2226
Secretary	Rosemary Kydd	N7PLN	623.980.7282
Treasurer	Bob Hodges	K7JIT	602.375.9982
Activities Mgr	Lori Cripps	WA7EDI	
Membership	Bob Hodges	K7JIT	602.375.9982

AARC c/o Bob Hodges, K7JIT, 15214 N 7th Place, Phoenix, AZ 85022. 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 ADAAW for details.

President	Bob Burleson	KG7QJ	480.961.1109
Vice President	Jim Felkey	N7BBS	602.570.3822
Secretary	John O'Neal	K7JP	480.345.7800
Treasurer	Roger Buel	W9NCQ	602.493.7242
Board Member	David Zinder	W7PMD	602.358.7826
Tech/IT	Steve Warford	WB4ZSC	480.391.9521
QSL Logbook	Skip Moretti	K7OAH	602.952.2649

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

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

SCOTTSDALE AMATEUR RADIO CLUB, INC.

The Scottsdale Amateur Radio Club meets the **FIRST WEDNESDAY** of each month at 7:00 p.m. in Room 8 at the new Scottsdale Senior Center located at 1700 N Granite Reef Road (west side of Granite Reef Rd., 50 yards north of McDowell Rd. Parking on site). The club also holds a net every Tuesday night at 7:00 p.m. on the 147.78/18 repeater.

President	James Wasson	N7ELL	480.456.1154
Vice President	Bob Johnsen	K7TR	480.946.1427
Secretary	Ed Nickerson	WU7S	480.949.5162
Treasurer	Alan Jensen	KE7FSD	
Past President	Paul Finell	W7EFQ	602.741.6563
Board Members	Jerry Jacques	KE7GYM	480.239.8679
At-Large	Dreux Jacques	W7EMU	
	Louis Schmitt	NQ7I	
	Judy Jensen	KE7IXI	
	David Yee	N7AJR	
	Paul Jorgensen	KE7HR	
	Kelley Law	KF7ZVL	

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

OLD PUEBLO RADIO CLUB

The Old Pueblo Radio Club meets the **SECOND WEDNESDAY** of each month (except June, July and August) at 7:15 p.m. in the Marshall Conference Center at Tucson Medical Center. Visitors are welcome.

President	Ron Kalish	N7SPW	520.207.3852
Vice President & Treasurer	George Devich	N9IUK	520.760.0125
Board of Directors:	Bill Price	N7GUO	
	Cliff Hauser	KD6XH	
	Jim Ulmer	KC7THU	
	Lin Donnelly	KF7CNR	
WebMaster	Ted Willis	AA7HX	520.790.3828
	(www.oprc.org)		
Trustees:	(all repeaters operating under the K7TRA call)		
Primary	Cliff Hauser	KD6XH	
	146.660, 146.820, 147.220-		
	Paul VanBeverhoudt	KA7LFX	224.06+
Secondary	Ted Willis	AA7HX	146.66-
	Ralph Turk	W7HSG	146.82-
	Paul VanBeverhoudt	KA7LFX	224.06+

Mailing address: OPRC, P.O. Box 42601, Tucson, AZ 85733-2601. DUES: Individual - \$20.00/YR, Family - \$30.00/YR.

BARRY M GOLDWATER, ARIZONA CHAPTER QUARTER CENTURY WIRELESS ASSOCIATION

The Barry M Goldwater Arizona Chapter of the QCWA includes amateurs from all over Arizona. Four luncheon meetings are planned each year. The meeting months and locations are announced by newsletter, but generally follow the following schedule:

Spring Meeting	March/April	Tucson Area
Summer Meeting	June/July	Prescott Area
Fall Meeting	October	Phoenix Area
Holiday Meeting	December	Carefree Area

The AZ Chapter meets on the air every Sunday morning at 0700 MST (0730 during December and January) on 3890 +/- QRM. During December and January, the net time is moved to 0730 MST.

President	Tom Fagan, K7DF	520.574.1129
Vice President	Ray Tyrrell, N6MY	928.227.0349
Sec/Treasurer		
Webmaster	John Marshall, WA7BSR	623.334.2583

Web Site: <http://azqcwa.org> Email: w7bj@outlook.com.

DUES: \$7.00/year and current national QCWA membership.

MINGUS MOUNTAIN REPEATER GROUP

Meetings are held twice a year, an annual board meeting in Phoenix and a picnic meeting in Chino Valley. Dates, times, and locations are announced in the newsletter.

President	Bob Sitterley, K7POF	928.636.2146
Vice-President	Raymond Tyrrell, N6MY	n6my@gmail.com
Treasurer	David Hanson, W7BJ	602.615.3444
Secretary	Lori Cripps, WA7EDI	602.955.7517

Web Site: <http://www.mingusmountain.org> and <http://www.k7mrg.org>. Dues: \$20.00 per year, due prior to July 1. MEMBERSHIP YEAR - July 1 - June 30.

ADAW Member Clubs

THUNDERBIRD AMATEUR RADIO CLUB

The Thunderbird Amateur Radio Club meets the **THIRD THURSDAY** of each month at 7:00 p.m. at North Phoenix Campus of Northern Arizona University located at 15451 N. 28th Avenue (near I-17 and West Greenway Road). The meeting is held in room 147. See the website (<http://w7tbc.org>) for a map and more details.

President	Gary Duffield	WK7B	602.843.7724
Vice President	Chris Johnson	K6OZY	623.866.2777
Secretary	Jack York	KE7VOU	602.318.7530
Treasurer	Darren Johnson	AF7CO	
Directors:	Andrew Cornwall	KF7CCC	
	Rick Tejera	K7TEJ	
	Jim Moore	WB7ENX	
	Joe Arnold	AD0X	
Past President	Walt Reinert	N7GDP	602.938.8219

For further information about the ThunderBird Amateur Radio Club, visit our website at <http://w7tbc.org>, send an e-mail to: info@w7tbc.org or call 602.938.8219. Mailing address: PO Box 83615, Phoenix, AZ 85071-3615.

AMATEUR RADIO DEVELOPMENT GROUP

The Amateur Radio Development Group meets **EVERY WEDNESDAY** at 11:10 a.m. on the Phoenix Country Day School campus located at 3901 E Stanford Dr., Paradise Valley.

President	Benjamin Lee	K7JS	602.614.0850
Vice-President	Will Weiss	KG7FFV	480.789.932
Secretary	Nathan DeRueda	KG7GLB	480.582.8575
Treasurer	Sahil Rawal	KG7GJC	623.606.0258
Chief, Emergency Communications	Sarah Dailey	KG7GJI	480.286.3026
Chief, Research and Development	Sage Druch	KG7EQB	602.256.7997

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

ARIZONA REPEATER ASSOCIATION, INC

The Arizona Repeater Association general meeting is held the **FOURTH THURSDAY** of each month at 7:30 p.m. There are no meetings in July and December. The November meeting is held the Monday before Thanksgiving. Meetings are held at Denny's Restaurant, 1343 W. Broadway, Tempe, AZ, on the southeast corner of Priest and Broadway. Visitors are welcome. Come early for food and social time before the meeting starts. For further information about the ARA, including repeaters, site status, and the tech/board meeting, please visit our web site at www.w7ara.org.

President	Virgil Silhanek, K7VZ	k7vz@w7ara.net
Vice-President	Dennis Bietry, KE7EJF	ke7ejf@w7ara.net
Treasurer	Erv Heimbeck, K0OTZ	k0otz@w7ara.net
Secretary	Jim Hoff, N7XXX	n7xxx@w7ara.net

For Membership Information, contact (Mike Montalvo, KF7MBK membership@w7ara.net) Arizona Repeater Association, Inc, P. O. Box 35758, Phoenix, Arizona 85069-5758. To join or renew, please visit www.w7ara.org/mbr/ Dues are \$18/yr. (Jan. 1 through Dec. 31) with a one-time initiation fee of \$10. Life and family memberships are available.

SUPERSTITION AMATEUR RADIO CLUB

The Superstition Amateur Radio Club meets at 7:00 p.m. on the **THIRD TUESDAY** of each month (except December) at the Mesa Utilities Building, 640 N. Mesa Drive, Mesa (use the glass door on your left at the main entrance). Visitors are welcome. Board meetings are held at 6:30 p.m. on the second Tuesday of each month (except December) at Black Bear Diner, 1809 E. Baseline Road, Gilbert.

President	Steve Estes	KB7KWK
Vice President	Jeff Machesky	K7ZLX
Secretary	Larry Kuck	WB7C
Treasurer	Douglas Mitchell	W7ADD
Board Members:	Brian Betz	W7JET
	Dale Schmidt	N7QJK
	Dan DeVlieger	KC7MSU
	Ed Taggard	K7EDT
	J.D. Smaylis	KF7VOX
	John Groseclose	WX4LTG
	Jan Werner	KA7ISV

SuperstitionARC, P.O. Box 21522, Mesa, AZ 85277-1522. Web Site: SuperstitionARC.org. The Superstition Amateur Radio Club is a 501(c)(3) non-profit organization. For club information, please send email to: Communications@SuperstitionARC.org.

WEST VALLEY AMATEUR RADIO CLUB

The West Valley Amateur Radio Club is an Arizona 501(c)(3) non-profit corporation. Meetings are the **FIRST MONDAY** of each month at 7:00 PM in the St Clements Catholic Church Social Hall located at 15800 Del Webb Blvd., Sun City. The board meets the second Monday of the month at Boswell Medical Center, Ironwood Room 2, Sun City. The Emergency Preparedness Group meets the third Monday of the month at 7:00 PM at Boswell Hospital. Club nets are held on 147.300 (tone 162.2) at 9:00 AM daily and Monday - Thursday at 8:00 PM. The preparedness net is held the last Friday before the monthly Monday night meeting at 8pm on the NY7S repeater 147.300 MHz, Tone 162.2 Hz. A weekly breakfast is held on Thursdays at Lou's Trivoli Gardens, 12535 W Bell Rd., at 7:00 AM.

President	Jim Haveron, KA7UND	jhaveronsr@cox.net
Vice President	Thomas Fike, KG7FXT	fike@me.com
Secretary	Verdamae Cutitta	KF7UJB 623.872.3844
Treasurer	John Siepmann	N9NA 623.544.5295
Membership	Tom Connor	W7TLC w7tlc@arrl.net
Club Directors:	Bob Paul	KG7FIL 623.252.0149
	Bob Fike	W7AIE 602.999.6458
	Joe Cutitta	W0SLI 623.215.2226
	Roger Thacker	KD0MD 623.974.1516

WVARC, P O Box 1573, Sun City, AZ 85372-1573. DUES: \$15.00/YR for family residing at the same address. MEMBERSHIP YEAR - January - December. Web Site: <http://www.westvalleyarc.org>.

ADAW

ADAW Member Clubs

4X4 HAM

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

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

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

MARCA, Inc. / W7MOT

MARCA is an Arizona 501(c)(3) Non-Profit organization. The club call sign in W7MOT. Membership is open to all amateur radio enthusiasts. Meetings are held the **THIRD TUESDAY** of each month at 6:30 p.m. at Denny's Restaurant located at 1343 Broadway in Tempe (SE corner of Broadway & Priest). Monthly presentations cover a broad spectrum of interesting subjects. Visitors are welcome to attend. Come early for dinner and socializing. Repeater Problem Reports are encouraged. A Repeater Problem or Comment Reporting is available at <http://www.w7mot.org/index.php/repeaters/report-a-repeater-problem>. Site Managers and officers will take reports for any W7MOT repeater. Contacts are found on website. Club activities include providing voice, aprs, packet, DStar, and Fusion repeaters Central Arizona; ARRL Field Day, special interest groups in SDR, APRS, antennas, digital modes.

President	Paul Boyce	KJ7KY	
Vice President	Dave Hall	N7ZPY	
Secretary	Norm Johnson	AA7OO	480.278.2886
Treasurer	Don Aldridge	WA7RLL	
Director	Bill Hosking	W7JSW	
Director	Dusty Morris	W7ITM	
Trustee:	Norm Johnson	AA7OO	480.278.2886
Webmaster:	Norm Johnson	AA7OO	480.278.2886

MARCA, Inc., PO Box 28246, Tempe, Arizona 85285. Membership dues \$25 annually. See our website (<http://w7mot.org>) for more information about meeting schedules, membership, repeaters, library, and club activities.

ADAW

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

MARICOPA AMATEUR RADIO ASSOCIATION

The Maricopa Amateur Radio Association (MARA) meets the **LAST SATURDAY** of each month at 9:00 a.m. at Barrow's Pizza, 44600 W Smith-Enke Rd. (Smith-Enke and John Wayne Parkway) in Maricopa.

President	Ford Willman	N5FW	520.568.6357
Vice President	Joshua Babb	W3JB	801.358.1078
Secretary	Andy Raine	W3PR	602.413.7947
Treasurer	Steven Ruggles	KG7GYM	520.568.2023
Board Members:	Steve Miller	W6SDM	602.290.1603
	David French	N7FAN	480.430.9426
	Bob Howard	W8RH	520-709-6176
	Curt Steger	NA7CS	520-568-9471
	Ronald Beasley	KG7MUV	520-568-4880
PIO:	Steve Miller	W6SDM	602.290.1603
Webmaster:	David French	N7FAN	480.430.9426

The Maricopa Amateur Radio Association is a 501(c)(3) non-profit organization. DUES: \$25.00/year individual, \$30.00/year family. Apply on-line at www.copahams.org.

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

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FROM THE EDITOR'S DESK

Seasons Greetings!

By now the Turkey Dinner is over, the shopping crowds have thinned somewhat and everyone is getting ready to enter the next phase of the holidays - Christmas! – Or Hanukkah, Kwanzaa, Festivus, Chrismukkah (honest, there's really a Chrismukkah which is a combination of Christmas and Hanukkah, look on Wikipedia), or whatever holiday you celebrate – Trying to be “politically correct” here.

Did you know there's even a “National Regifting Day?!” It's the Thursday before Christmas. On October 24, 2008, Colorado governor, Bill Ritter, Jr. declared December 18, 2008 as “National Regifting Day” (hence the Thursday before Christmas date). Most office holiday parties are held on that day and 40% of the gifts received at those parties are later “regifted” (giving a gift you received, but never used, to someone else). There are even dos and don'ts about regifting! The whole concept was popularized when it appeared in a Seinfeld episode where the etiquette of regifting was explored. So, blame Seinfeld for this one!

It is amazing what one can learn from a simple search of the internet while writing a column. I also learned about Hogmanay (pronounced HOG-mə-NAY), the Scots word for the last day of the year. From Norse and Gaelic observances, it's synonymous with the celebration of New Years and involves gift-giving and visiting friends and neighbors. Close attention is paid to “first foot,” the first person to visit in the new year.

I hope everyone got a chance to visit one of the three hamfests held in November. The Cochise Amateur Radio Association and the Oro Valley Amateur Radio Club both held their fall events on November 7. Haven't heard any reports about either one yet.

The Hassayampa Amateur Radio Klub held its HARKFEST event on November 14. This is the second year for HARKFEST. It's a small, but growing, event. The people are friendly and the location is great. Pictures of the 2015 event are on page 9. Check it out!

Don't forget the Superstition Superfest on December 5. It's being held at Mesa Community College again this year and it's always a great event. There will be the usual vendors and tailgaters. VE testing is scheduled, and ARCA will be holding its winter meeting at 11:00 A.M.. Don't miss it.

December 5 is also SKYWARN Recognition Day. The on-air event is from 0000 to 2400 UTC. See the article in the next column for more details and join them.

That's about all from me this month. See you next year!

Merry (*insert your holiday here*) and Happy Hogmanay!
Chris, N7PVL

SKYWARN Recognition Day Saturday, December 5

The 17th annual SKYWARN Recognition Day ([SRD](#)) on-the-air event is set for Saturday, December 5, from 0000 UTC to 2400 UTC. Cosponsored by ARRL and the National Weather



Service, SKYWARN Recognition Day pays tribute to Amateur Radio operators for the vital public service they perform. Registration is now open for stations planning to

participate from a National Weather Service (NWS) Forecast Office; a [list](#) of NWS participating offices is on the NWS SKYWARN Recognition Day web page. During the 24 hour event, Amateur Radio operators set up at NWS offices contact other hams across the country. This event is also aimed at strengthening the bond between Amateur Radio operators and local NWS offices.

SKYWARN Recognition Day is not a contest. During SKYWARN Recognition Day amateur stations exchange contact information with as many National Weather Service-based stations as possible on SSB, FM, CW, RTTY, and AM on 80, 40, 20, 15, 10, 6, and 2 meter bands plus 70 centimeters. Repeater contacts are permitted.

Stations exchange call signs, signal reports, location, and a one or two-word description of the weather (eg, sunny, partly cloudy, windy, rainy). [Procedures](#) are detailed on the NOAA SRD web page.

The volunteer SKYWARN program comprises nearly 290,000 trained severe weather spotters -- many of them radio amateurs -- who identify severe storms and provide NWS forecasters with reports of local weather conditions during severe weather events.

To learn [more](#), visit the SKYWARN Recognition Day website.

from the ARRL Letter





W7ASC - 2015 WHAT WAS ACCOMPLISHED?

As the C.A.R.L. Year number 20 draws to a close, it seems appropriate to look back over our collective shoulders in order to observe just what we left on the trail. Litter? Gold? Or perhaps some other evidence of that journey.

But first! A report of an EVENT at the station.

It was either a Friday or Saturday in October. A nice lady was seen entering the gallery, looking neither left nor right. She headed straight for the Harkins Ham shack, holding hands with a young boy.

Once she felt the RF field, she started to address the volunteers who were on duty. Her left arm was extended, exposing the inside of the lower portion. She wanted a volunteer to examine that arm! She explained that she was wearing a tattoo that had been given to her by her grandfather, a WW II veteran who worked during that war as an Army radio operator. A CW operator, no less. The gift tattoo was, on closer inspection, seen to be Morse code! The visiting lady expressed the view that she was confident in the CW skills of the Volunteers. She wanted to be assured that the tattoo message was not some unwanted secret message.

Good news! The code simply read family(FAMILY).

The W7ASC corps of volunteers performs another critical public service.

And now back to the retrospective:

C.A.R.L. stands for "Center for Amateur Radio Learning." Who benefitted from the Learning? And what did they learn?

As a rough estimate, half of the cherubs in Arizona learned to send their name in Morse. They probably soon forgot the exact code, even though they carried it with them in the form of a Certificate. There is strong evidence that many cherubs remember the experience. A growing number of visitors want to do it again – as grownups! The volunteers hear stories of school field trips, or Scout troop activities. Some schools teach the code, but only on paper. It should be noted that the majority recall the Morse lesson. Fewer mention time spent on the air. Those return visits, the times when parents bring their children to the place where they, the parents, first heard about and tapped out Morse code – are very heart warming. If nothing else happened at W7ASC, it would be well worth the effort. But other things DO happen! Conversations about the early

CARL Continued from Previous Column

telegraph, isolating the Pony Express. The importance of electric communications (Telegraph) in the conduct of the Civil War. President Lincoln's early recognition of that importance, and the construction of a building that was filled with telegraph terminals. So the volunteers talk about this with visitors, Arizona residents are uniformed about the heliograph until they stop to chat at the Shack.

When done well, these conversations open the door to an explanation of Amateur (Ham) radio and its role in Public Service. The fact that Hams are allowed to use the airwaves for fun in order to hone their operating skills. Always ready for Public Service.

So – who learned what at the Station? Visitors were introduced to an old, but important technology – Telegraph and Morse code. They also heard about a fascinating hobby, the original "social network." If they listened, they learned that Ham radio operates when all other modes have been destroyed or damaged. Those visitors learned that it is not difficult to obtain a license, and there are a number of methods available through which the questions can be practiced. There is, of course, even a class that is held periodically right there at the Arizona Science Center.

Volunteers learned that most of their neighbors know very little about Ham radio – and those that know a little usually have it wrong. Volunteers learned how to talk about Ham radio to non-Hams. Volunteers realized that a large part of the Volunteer role is to teach. And, by answering all of those questions, most volunteers learned some surprising things about this hobby that they all, initially, believed that they fully understood.

Yes, it was a learning year for everyone. On balance, the Volunteers probably came out ahead.

Bob, KG7QJ, can always find room in the schedule for another few volunteers. Join the fun – see what you, too, can learn from the experience. Call Bob at 480-961-1109

Hope to see you all next year. 73 for now, good DX, and Happy Holidays.

de Jean W4CIH

Jean Jolkovski, Phoenix, AZ

ADAW

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Continued Next Column

Ed Karsten – K9EDK – Safety 55

Edward Joseph Karsten passed peacefully on 4 November 2015 at 4:07 p.m. from complications of pancreatic cancer. He was 61. Ed is survived by his sister Lois Karsten-Liddy and her husband Tim Liddy and by his ex-wife Kathy Karsten. His ashes will be spread at his favorite lake next May, near his birthday.



ABOUT ED

The facts are simple; the man was not.

First, he is also survived by hundreds of friends. Ed wasn't an especially friendly person (he liked most golden retriever dogs better than most people!), but he served those around him the best he knew how, and that's pretty endearing.

He served as a 9-1-1 operator and dispatcher with the Phoenix Fire Department

for 30 years. Ed was the last of the Old Breed of alarm room dispatchers who still knew how to do the job manually, with maps and building drawings and punch cards and banks of flashing lights, without the high-tech computers. He answered the phone on peoples' worst day of their lives and his voice dispatched countless fire trucks (he called them "BRTs" . . . big red trucks) and medical crews. That was back when actual people made the radio calls on the dispatch channels, not Samantha, the sterile, faintly androgynous voice you hear dispatching today. Ed served in a time when real men and women dispatched fire crews, and computers were R2-D2.

Whereas he looked forward to retiring, pancreatic cancer pushed him to retire early. But this isn't about his cancer. This is about Ed.

Ed also served for about 20 years with the Rescue a Golden group (www.golden-retriever.org) that finds good homes for sweet, lovable golden retriever dogs that people have neglected, abused, or otherwise don't deserve. Ed served in several capacities, most recently as Director. He never cared for the titles, only that uncaring people had their goldens taken away, the dogs were treated and healed, and good, caring homes received them. Ed even owned two vehicles. One was always an SUV large enough to hold a kennel for golden transports



around the state. That's the kind of commitment all the Rescue a Golden people have, and so did Ed. The problem was big and thorny; Ed dedicated himself to being part of the solution. No telling how many golden retrievers are living happy lives with families they love because of this noble group. All for the love of a golden.

But that wasn't the extent of Ed's service. He also put his amateur radio "ham" license (callsign K9EDK) and skills to use as a volunteer, protecting the safety and well-being of athletic runners, bicycle riders, and walkathon walkers through what is called public service communications. Working with a group of other radio people, Ed made sure that the course was safe, that injuries were treated quickly, and the participants had plenty of refreshments to avoid becoming one with the desert. Twenty years ago, when it became hard to get radio recruits to help, Ed was one of the three charter members of the Maricopa County Emergency Communications Group (MCECG, www.MCECG.org). In fact, MCECG was invented in Ed's living room one evening with Jim Pierce, N7QVW, and Ron Reynolds, N7WTF. With that invention, sniggling politics and other nonsense were completely stripped away from public service communication, making it much more attractive to volunteer hams. That group is active and healthy three generations of leaders later, largely due to the wisdom and foresight of the foundation that Ed, Jim, and Ron laid in that living room.

So, Ed showed love by serving . . . serving people in crisis through the 9-1-1 alarm room, serving golden retrievers and those who love them through Rescue a Golden, and serving athletes and people supporting charitable causes through MCECG.

But when Ed wanted to be a kid again, he looked for merry-go-rounds. Yep, carousels. Bobbing horses, carriages, stage coaches, tinny music . . . the works. Ed had worked in a carnival as a young man, and became enamored with carousels. Throughout his life, Ed attended annual conventions around the country that toured and showcased carousels from different eras, from different countries, and with different themes. That man couldn't get enough of the wooden horsies!

The facts of Ed Karsten's life and death are simple. The man himself was far from it.

He loved intensely, but in his own way. And those of us who received that love were drawn like iron filings to a magnet. If it's true what the apostle John wrote in First John 4:8, "God is love," then Ed showed the family traits of his Father.

Virgil Silhanek, K7VZ



The Arizona Amateur Radio Club has been spending some time this past month on the roof of the new American Red Cross Building at 4747 N. 22nd Street. Work has been done by several members who got a new Diamond Dipole up, and it is working on 75, 40 and 15. There also are Diamond VHF/UHF antennas, one on the east end of the roof and one on the south side of the roof. There is now an HF vertical for 20, 17, 15, 12, and 10 meters, too.

Recent antenna work has been done primarily by members Gary Hamman, K7GH; Steve Tolnai, W7WSV; and Mark Kesauer, N7KKQ. Frank Engstrom and Larry Buchanan, Red Cross volunteers, have also been instrumental in setting up antennas as well as equipment in the Red Cross comm room.

We were anxious to have the antennas and comm room ready to use on November 4 for the statewide emergency exercise (Hamex), and we were successful in achieving that. Mark Kesauer, N7KKQ brought a radio and PC to work packet on VHF. He mounted a 4-element 2-meter Yagi on the roof and planned to use the coax now going to the HF vertical if he needed to use it. Hamex operators at the Red Cross were W7WSV, who handled the HF radio; N7KKQ, the VHF packet; and Frank and Larry, the VHF/UHF radio.

Our AARC meetings and VE sessions will all be held in the new American Red Cross Building in the Clara Barton Room from now on. Visit our web site at www.W7IO.org for a map.

At our November meeting, plans were made for the annual Christmas party. It will be at 6:00 P.M. on December 10, our regular meeting night. It is a potluck event. Family members and friends are welcome to attend. We traditionally play bingo after dinner, and enjoy a pleasant evening. I suspect that member Verdamae Cutitta, KF7UJB will bring her chocolate fountain to the Christmas party along with fruit to dip in it. What a treat! Contact me, WA7EDI Lori, to let me know what you will bring. The club will furnish turkey, ham, mashed potatoes, and coffee.

A reminder to all to join the Thursday night 2-meter net at 147.060 which meets every Thursday, except meeting nights, at 7:30 P.M.. We usually have about ten stations check in, and we rotate the net control. You don't have to be a member to check in. Join us for a pleasant round table.

73,
Lori, WA7EDI

ADAW



The Diamond Dipole

Another View of the
Diamond Dipole



The HF Vertical

VHF Beam for Packet



HARKFEST

November 14, 2015



Pictures by Chris, N7PVL



Ham clubs exist for a variety of reasons. Some are largely social with the prime purpose of allowing hams to get together and meet face to face. Some are service groups concentrating on EMCOMM and community service activities. Another group that I have been a member of for some time, 4x4ham.com, combines the hobbies of ham radio and off-road adventure with a great group of members to have a fantastic time in the outdoors.

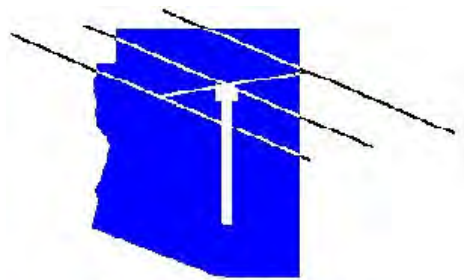
Our club in Maricopa promotes Elmer-ing and Volunteer Examiner (VE) testing. While all clubs encourage new hams to get licensed to some extent, we make a concerted effort to bring new hams into the hobby. A really high percentage of our members are volunteer examiners. This allows us to be really flexible on scheduling tests. It's not unusual for us to schedule a test for a single individual who wants to take their first exam or upgrade their ticket on the way home from work. After all, the VE program was designed to make testing more accessible, and I believe that this accessibility has been instrumental in the increased number of amateur radio licenses issued. Bob Howard, W8RH, is our MVETS coordinator and has done a great job of scheduling exams and recruiting members to become VEs.

Of course, before taking the test, you have to study. Our club has twice provided a "Technician Boot Camp," which consists of a three-hour session plus an eight-hour session, and an additional hour for testing. Josh Babb, K6FZ is the instructor, and he put the course together using the Gordon West study material. We have had several of our members get their ticket from this class. There's nothing that says "Elmer" like selflessly giving up a weekend to help others come into the ham radio hobby.

Another way that we keep club members in touch and informed is through an online forum. You can find it at <http://w6sdm.net/Forum/>. The forum is open to everyone, but you do have to register in order to post. You will find copies of various presentations that members have done, DIY articles, discussions, and other ham-related information.

The general feeling within our club is that one of the best ways we can contribute to amateur

Continued Next Column



MARCA INC.

No Report Received.

ADAW

MARA Continued from Previous Column

radio is to facilitate bringing new operators into the hobby. Many of our members are brand-new hams, while there are those of us who have passed the half century mark. We learn from each other.

Finally, MARA will be hosting the Arizona State ARRL Convention next year. Having gathered a lot of lessons learned and best practices from our hamfest last October, planning for next year's event has already started.

Steve Miller, W6SDM
Maricopa Amateur Radio Association

ADAW

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Whoa, where has 2015 gone? This year has certainly fit the saying, "time flies when you're having fun."

One of the goals this year was to focus on improving communication with membership. The web site was revamped last year to allow for posting of articles and faster updates on repeater site status. Then, we joined ADAW to write monthly updates, how-to's, historical accounts, and articles on other happenings. The ARA doesn't host our own hamfest, but we set up a table at as many of the hamfests we could attend this year. The great news to report back is membership is up more than 25%. Thanks to everyone for your support of the ARA.

As the membership renewals and ballots are mailed each year, this triggers notice of members whom we've lost over the past year. In 2015, several members became silent keys. Please take a few moments to remember those friends.

Last year at this time it seemed like we were making repair trips every weekend to chase issues and fix outages. Knock on wood, but this fall has been quite a bit calmer. We've still made a few site trips and are chasing issues on a couple sites, but most repeaters are 100% operational. The new Mingus repeater continues to get good reports for coverage and signal. Program those frequencies into your radios and put it to use if you're in the Prescott, Cottonwood, and Sedona areas. At 7800 feet elevation, Mingus Mountain provides a massive footprint that can be reached from north Phoenix all the way to Flagstaff.

On November 1st, I was up late watching the DVR episode of The Walking Dead when the walls of my north Phoenix home shook. After checking the status of my family, I went outside to see what had hit my house. Later, we'd find out that a 4.1 earthquake hit Arizona. Growing up in the Midwest, I wouldn't blink at a passing tornado, but this was a first experience with moving earth. Ironically enough, the statewide emergency drill, HAMEX, had been planning for months to use an earthquake as their simulated disaster. It carried on as planned on November 4th.

The ARA repeater sites are installed with emergency communications being a priority. When the power grid and communications channels go down, the repeaters will stay online. As HAMEX began, AEN-MAR was activated on Metrolink, Rimlink was used to communicate to Prescott, Payson, and Flagstaff, and White Tanks was used to connect to Wickenburg. AEN-MAR followed up the HAMEX exercise with a great SitRep net on November 9th. The topic

Continued Next Column



4x4 HAM Update

No Report This Month.

ADAW

ARA Continued from Previous Column

of the ARA General Meeting for November will also be a presentation by Mike WB4ZKA and Dennis KE7EJF. The goal is to take what went right and reinforce and build on it, but also learn valuable lessons from what went wrong during the exercise.

REMINDERS: Due to the 4th Thursday of November falling on Thanksgiving Day, the ARA General Meeting is held on Monday. Please join us at Denny's in Tempe on November 23rd. The deadline for mailing back election ballots has passed, but hand delivering them at the meeting is allowed. Also, there is no ARA General Meeting in December.

Merry Christmas and Happy Holidays everyone.
Virgil, K7VZ
ARA President

ADAW



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CHAPTER 16 BARRY M. GOLDWATER ARIZONA CHAPTER

As fall comes to a close, so does the latest TBARC Extra class license course. By the time you read this, it will be over and we'll have a number of newly-minted Extra licensees. (I know at least some of them jumped the gun and tested before the official session!) Did you know that TBARC is one of the few clubs in the Valley that provides courses beyond Technician? We've got a special mix of both experienced hams who can teach and new hams who want to learn.

Speaking of that - maybe you want to pass your experience on! If you've been around the block once or twice, you might consider becoming an instructor for TBARC. We can always use more, and a bigger pool of instructors makes scheduling easier. If you think you might want to get involved and help more new hams get on HF, let our education coordinator Andy Durbin K3WYC know (course@w7tbc.org).

Conversely, if you've just upgraded to Extra (or even General) - before you get out of studying mode, think about becoming a Volunteer Examiner (VE). You've seen these people handing out forms and grading tests at ham license sessions. You'll need to read the VE manual online, then complete an open-book test, and send your answers in to the ARRL to qualify. Once you pass the VE test, the ARRL will send you a badge - and then, you'll be able to volunteer at TBARC exam sessions as well as others around the valley. See <http://www.arrl.org/become-an-arrrl-ve> for more details. If you do become a VE be sure to tell our VE coordinator Jim Skinnell K7EOG (ve@w7tbc.org). We'd love to have you help at our next exam session!

* * *

Call for Presentations

In our effort to make the Thunderbird Hamfest an even better event, in 2016 we are introducing a program of presentations.

So, we are looking for presenters to give a presentation on a topic related to Ham Radio. If you have a presentation you'd like to share with the ham radio community, please contact the presentations coordinator, Rick Tejera K7TEJ at: k7tej@omiss.net

* * *

Have you been a ham for at least 25 years? Then celebrate by joining the Quarter Century Wireless Association!

The Barry M. Goldwater Chapter 16 Arizona chapter has four lunch meetings a year with fabulous speakers. Check us out at <http://www.azqcwa.org/> we are also on Facebook at <https://www.facebook.com/AZQCWA>. We are always looking for speakers and great lunch locations. Let us know.

Tom Fagan, K7DF, President
k7df_tom@yahoo.com

ADAW

TBARC Continued from Previous Column

In December, our regular TBARC meeting doesn't happen. Things just get too hectic around the third week of December! Instead, we'll gather for a holiday banquet. Location will be Old Country Buffet on 17125 N. 79th Ave in Glendale. I believe the date for the event will be Tuesday, December 8 - but as of the time I write this, that needed to be confirmed. Check the club website under "General Meetings" to make sure. As part of the festivities, our president Gary, WK7B will announce the results of the latest election. Join us to hear that first hand and have a fun social evening with your fellow club members. We hope to see you there!

Andrew Cornwall
KF7CCC
kf7ccc@arrl.net



ADAW

Continued Next Column

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.

December Test Sessions

Dec 3rd - CARBA -- 7:00 PM

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

Dec 5th - Oro Valley ARC -- 10:30 AM

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

Dec 5th - Un-sponsored -- 10:00 AM

Thompson Residence, 410 Plymouth Ave, Quartzsite
Contact - Richard Thompson 360.490.5700

Dec 7th - AARC & WVARC -- 8:00 PM

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

Dec 9th - Green Valley ARC -- 9:00 AM

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

Dec 9th - Central Phoenix VE Team -- 6:30 PM

South Mountain Community College, 7050 S 24th St, Phoenix
Contact - Bill Martin 480.205.3625
No Walk-Ins - Limited Space - Please contact prior to exam.

Dec 12th - Coconino ARC -- 9:00 AM

North Country Healthcare Boardroom, 2920 N 4th St, Flagstaff
Contact - Roderick Martin 928.527.1139

Dec 12th - Yuma ARC -- 9:00 AM

Yuma County Sheriff's Office, 141 S 3rd Ave., Yuma
Contact - Robert Spencer ke8dm.robert@gmail.com
No Walk-Ins - By Appointment Only

Dec 14th - Radio Society of Tucson -- 7:00 PM

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

Test Sessions Continued from Previous Column

Dec 19th - Central Phoenix VE Team -- 9:00 AM

Gilbert Farmers Market, 222 N Ash Dr, Gilbert
Contact - Bill Martin 480.205.3625
Please call ahead for important details/instructions

Dec 19th - Un-sponsored -- 10:00 AM

Kingman Middle School, 1969 Detroit Ave, Rm 310, Kingman
Contact - Daniel Miller 928.897.3883

Dec 21st - East Valley VE Team -- 6:00 PM

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

Dec 22nd - Prescott Valley Ham Club -- 6:30 PM

Trinity Lutheran Church, 3950 N Valorie Dr, Prescott Valley
Contact - J. M. Scherfling 928.632.2050

Dec 26th - Arizona ARC -- 7:00 PM

American Red Cross Bldg, 4747 N 22nd St, Phoenix
Contact - Gary Hamman 602.996.8148
No Walk-Ins - Pre-Registration Required by Friday Night

ADAW



For Sale

Partly Restored Vintage Tube-type Transmitter: Baker Williams B&W 5100B AM/CW, 80-10m, 150w(2)6146's, has built in VFO and restored dial. Included is: Matching B&W 51SB-B SSB Generator (for ssb operation). Both will need new electrolytic filter capacitors. Interconnect cables (between 5100B and 51SB-B) included. \$585.00 for package. Contact: Ray, W7GNE @ 480-540-4629.

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. Contact: Ted Walker, KB5OF at kb5of@cox.net.

Continued Next Column



Superstition SuperFest Saturday, December 5

The club's flagship Hamfest is a great place to meet friends and find that smoking deal on the radio of your dreams? See more about it in the flyer in this issue. Visit the web site at SuperstitionSuperFest.org for the very latest news. See you there!

Club Christmas Party Tuesday, December 8

When: Tuesday, Dec 8, 2015, 6:00 P.M. till 8:00 P.M.

Where: Golden Corral, 1868 N Power Rd., Mesa, AZ 85205 (South of McKellips)

Join the Officers, Board members and members at the Superstition ARC Annual Christmas Party. This event is open to all who would like to attend.

For Any Updates, Please see SuperstitionARC.org

You are encouraged to visit our club site for the very latest updates. Dale Schmidt, N7QJK does a great job of keeping it current.

November Star Party and Invitation to Another

Because of a dark sky with a New Moon, the club set Friday, the 13th of November, for an outing at First Water Trailhead at the base of the Superstition Mountains during its October meeting. Just over a mile beyond the Goldfield Ghost Town on the way toward Canyon Lake, the site is not a long drive for most of us, and offered promise of a dark sky for stargazing.

Board member JD extended an invitation from Steve Kates, also known on Valley radio as Dr. Sky. The entire Superstition Amateur Radio Club is invited to join him for an outing on Saturday, November 14, at Lost Dutchman State Park for another Star Party.

Dr. Sky, who airs on KTAR radio, was interviewed by our very own valley radio personality, JD Smaylis, KF7VOX on Cave Creek's KFNX Radio. JD told the 40 in attendance at the club meeting about Steve's interest in amateur radio. We are welcome to bring our radios for some 2-meter chatter, along with our telescopes, or come empty-handed. JD said there will be plenty of scopes on hand.

Thanks to JD's venture into broadcast radio with "The Article Five Hour," another broadcaster was introduced to amateur radio! Nice going, guy!

By Larry Kuck, WB7C, Secretary

Superstition ARC Repeaters

147.120 MHz (+) 162.2 Hz - Usery *

448.275 MHz (-) 100.0 Hz - Usery *

449.600 MHz (-) 100.0 Hz - East Mesa

KB7KWK-L Echolink *

* - Linked Full Time

Club Nets

The 147.120 Repeater carries all nets.

Morning Drive Time Net: Mon-Fri, 7:00-8:00 AM - Trivia

Club Business Net: Wednesdays, 8:00 PM - Featuring Club News, Elmer Q&A along with AR Newslines.

East Valley Swap Net: Thursdays, 7:30 PM

National History Net: Thursdays at 8:30 PM. Quizzes you on National History.

10-Meter Rag Chew: Thursdays 8:00 PM, 28.465 MHz USB

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

Superstition SuperFest

The Superstition SuperFest is held on the first Saturday of December. Visit www.superstitionsuperfest.org for the latest information.



ADAW



Old Pueblo Radio Club INTERMOD

President's Column

The MMRG received the following note from Frank, K8FB of the Yavapai Amateur Radio Club:

"Bob,

I wanted to thank you and the Mingus Mountain Repeater Group for the use of the 147.000 and 449.250 MHz repeaters for use in the Man/Horse Race event on Saturday, Oct. 3. Overall, the two repeaters provided us with good coverage, with one possible location exception that was a little spotty, particularly with the marginal antennas that we were using. Again, thank you for your consideration and assistance.
73 - Frank, K8FB"

President Bob Sitterley still has some MMRG Polo Shirts on hand: 1 medium, 7 large, and 1 extra large. He has also found a source of personalized license plates to either put on the front of your car or display in your ham shack. If he orders at least 10 at a time, they will cost \$10.00 each. A small amount of the \$10.00 will go to MMRG. He needs to be paid in advance for the order, and arrangements will have to be made to get them from Bob as they are all sent to one address. Make checks out to MMRG with the call sign that you want on them and whether you want red or black lettering and mail the information and check to me at:

MMRG c/o Bob Sitterley
171 Caliche Drive
Chino Valley, AZ 86323

If you have questions, e-mail Bob at k7pof@verizon.net.



Last chance on MMRG ham license plates!! See below!

There is a new and improved MMRG Website. The address is: <http://www.k7mrg.org>. Take a look!

73,
Lori, WA7EDI
Secretary MMRG

ADAW

The November meeting of the Old Pueblo Radio Club ran into a bit of competition this month – Veterans' Day.

November is a busy month for many members of the OPRC. Several events have taken place since the October meeting. A half marathon utilized the club's west side repeater, 146.82 MHz, for its net control, with good results. Tucson's big one, El Tour de Tucson, will be held on 21 November. For those not familiar with this event, it usually has more than five thousand bicycle riding participants, with several starting locations. The longest route is about 102 miles encircling the city. The event begins about 7:30 a.m., and continues until official sundown. Amateur radio support is supplied by members of various clubs, including OPRC. Other events on bicycles, or on foot, also are scheduled throughout the Tucson metropolitan area between now and spring, when it begins to get seriously warm.

Construction at Tucson Medical Center has calmed down, especially on its east side, and parking appears back to near normal. Note that some of the restricted parking spaces are available after 5:00 p.m.

I have received confirmation that OPRC has use of the Mason Room for its meetings for 2016.

The December meeting is the club's annual general membership meeting, at which all manner of business may be conducted, especially election of officers for 2016.

Wishing all the best of the upcoming season, I remain

Ron Kalish, N7SPW
President, OPRC

ADAW

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

Hamfest Calendar

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

9 January 2016 - **Thunderbird Hamfest 2016** - hosted by the Thunderbird Amateur Radio Club will be held at the Northwest Community Church, 16615 N 43rd Ave in Phoenix. Hours are 8:00 AM until 12:00 Noon. (Open to Vendor at 7:00 AM. - Vendor set up Friday night after 5:00 PM permitted.) General Admission - \$3.00 per person. Vendor spaces - \$10 per parking slot. Door prizes every half hour. VE testing 10:00 AM to 11:30 AM. Talk-in on 146.700 -600 KHz, 162.2 Pl or 446.150 -5 KHz, 100 Pl. Snacks and beverages will be available.

17 - 23 January 2016 - **Quartzfest 2016** - sponsored by the QuartzFest Planning Committee will be held at Roadrunner Short-term BLM Land, US Highway 95 and 53rd Street North in Quartzsite. Talk-In: 146.55 Simples. Contact Dave Anderson, K1AN at 602.616.8338 or email to k1an@arrl.net for more information.

19 - 20 February 2016 - **2016 Southwestern Division Convention/Yuma Hamfest** - hosted by the Yuma Amateur Radio Hamfest Organization will be held at the Yuma County Fairgrounds, 2520 E 32nd St in Yuma. Hours are Noon - 5:00 PM Friday and 8:00 AM - 5:00 PM Saturday. Gates open Thursday, 18 February, at 2:00 PM for camping. Admission \$5.00 per person. Talk-In frequency - 146.840 (-) Pl 88.5 Hz. Check web site at www.yumahamfest.org for full details. Email contact: info@yumahamfest.org.

19 March 2016 - **2016 Spring Hamfest** - hosted by the Scottsdale Amateur Radio Club will be held at Mountain Valley Community Church, 17800 North Perimeter Drive in Scottsdale. Hours are 6:00 AM until 12:00 Noon. VE testing will be held and refreshments will be available.

26 March 2016 - **Tucson Spring Hamfest** - hosted by the Radio Society of Tucson will be held in the north parking lot of the Target Store, 9615 E Old Spanish Trail in Tucson. Hours are 6:00 AM - 11:00 AM - Seller set up starts at 5:00 AM. Free Admission and Parking. Spaces are \$10 per space. Free VE Testing, GOTA (Get On the Air) station, Card checking, prizes. Coffee, Tea and Donuts will be available. Talk-In on 146.800 Pl 156.7 or 145.250 Pl 156.7. For map and more information, visit web site at www.k7rst.org.

9 April 2016 (date Tentative) - **April Hamfest at DeVry** - hosted by the Arizona Amateur Radio Club and the Amateur Radio Council of Arizona will be held at DeVry University, 2949 W Dunlap Avenue in Phoenix. Watch for date and details.

7 May 2016 - **Cochise Hamfest** - hosted by the Cochise Amateur Radio Association will be held at the club site, 2756 S Moson Road in Sierra Vista. Hours are 7:00 AM until 12:00 Noon. An Open House demonstration of amateur radio communications will be held. VE Testing Available. Prizes. Breakfast and Lunch will be for sale for a reasonable price. Contact Lee Ilse, KD7OED at kd7oed@arrl.net for more information.

22 - 24 July 2016 - **ARCA/Williams Hamfest** - hosted by the Amateur Radio Council of Arizona will be held at the Williams Rodeo Grounds, Rodeo Road in Williams. Hamfest hours are Dawn to Dusk Friday and Saturday. Trip to the Grand Canyon aboard the Grand Canyon Railroad on Sunday, 24 July. Hospitality Suite on Friday - Barbecue Dinner at Railside RV Ranch on Saturday. Breakfast and Lunch served by the Kiwanis Club of Williams on Friday and Saturday. Prizes, VE Testing, Seminars and more. For complete up-to-date information, visit the ARCA Website at www.arca-az.org and click on the "ARCA/Williams Hamfest" link at the left of the screen.

21 - 22 October 2016 - **2016 Arizona State Convention/CopaFest 2016** - hosted by the Maricopa Amateur Radio Association will be held at the Ultra Star Center at Harrah's Ak-Chin Casino, 16000 Maricopa Road in Maricopa. Talk-In: 449.125- (Pl 136.5) & 145.210- (Pl 162.2). Contact Bob Howard at 520.222.7311 or email to w8rh@live.com for more information.

5 November 2016 - **Cochise Fall Swapmeet & Communications Exercise** - hosted by the Cochise Amateur Radio Association will be held at the Green Acres club facility located at 2756 S Moson Rd in Sierra Vista. Date to be confirmed. Contact Lee Ilse, KD7OED at kd7oed@arrl.net for more information.

12 November 2016 - **Oro Valley ARC Hamfest** - hosted by the OroValley Amateur Radio Club will be held at Marana Middle School, 11279 W Grier Road in Marana. Talk-In: 146.620(-), 444.100(+), and 147.32(+)- all Pl 156.7. Contact Steve Wood, W1SR at 520.906.1204 or email to nauset2222@yahoo.com for more information.



ADAW

SCOTTSDALE AMATEUR RADIO CLUB, INC.



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

We are headed into my favorite season of the year. I have been trying to lose some weight lately just to be able to really enjoy the holiday season without exploding. The great Thanksgiving dinner is just the prelude to the feasts throughout December. The club annual Christmas Banquet is on December 2nd and it is the first. It is always a great time to enjoy the gourmet dinner with our ham friends. Then comes all of those Christmas parties with friends and neighbors. Finally, Christmas day arrives and yet another feast of turkey, cranberries, stuffing and all of the good stuff the gals can find for us to consume. Ahh, makes me hungry just to think about what is coming. December is ending with those New Year's Resolutions. The first is the perennial "I will lose 20 pounds."

The speaker for the November club meeting is a commercial pilot and was called away unexpectedly. So an impromptu speaker had to be found. Paul Jorgenson, KE7HR, stepped in and gave the group a terrific program on APRS. I am sure everyone learned something about this amateur radio system that they did not know before. Great program Paul.

There will not be a regular club meeting at the Scottsdale Senior Center in December. Instead of the meeting there will be our annual Christmas Banquet at the Scottsdale Community College Culinary Arts facilities. 9000 E. Chaparral Rd., Scottsdale. If you are not familiar with this annual event, you can check the web site, scottsdalearc.org or call me at 480.949.5162. I hope to see you there.

The HF bands have not been very good lately but they will get better later this month for the ARRL phone sweepstakes. Every time there is a large contest the bands seem to improve. I wonder if all of our signals heat up the ozone! There is going to be another ARRL year long event beginning January 1st. It is the 2016 National Parks on the Air event. There will be plaques and certificates galore and a lot of fun trying to make contacts. The rules for the event are on the ARRL web site and in QST. Good luck to all of you participants in this event.

Some of our members are also avid fishermen. The fish are biting more now that the cooler weather has arrived they tell me. You should hear some of their fish stories. Like this one:

This ham was fishing at Big Lake and he was in a float tube. It was early morning and he had just made another long cast when his 2-meter radio interrupted him. It was his wife at the camp calling to check on his return to the site. At that very moment, his line received a strong strike which jerked his fly rod out of his hand. He grabbed for the rod and dropped the radio. He missed the rod and the radio bounced off the float tube and into the water. To say he was upset is putting it mildly. He returned to the camp site to have breakfast and calm down.

Continued Next Column



Amateur Radio Development Group

No news this month.

The Amateur Radio Development Group at Phoenix Country Day School is looking for donations for their club ham shack. If you can help, please contact one of the club officers listed on page 3. Thanks for your help.

ADAW

SARC Continued from Previous Column

After a while, he took his spare fly rod and returned to the lake. He had only made a few casts when he had a good strike. He worked the fish back to him and netted it. The fish measured 22 inches long and had another leader and fly in its mouth. He pulled in the fly line that was attached and there was the radio he had lost earlier tangled in the line. He continued to pull in the rest of the line and there was his fly rod. He was so amazed and thankful for his good fortune that he removed the flies and leaders from the fish and let him go. He swears the fish entered the water, turned, smiled at him and said, "you're welcome."

Well that's all I have for now. Be well and keep on hamming.

73 Ed Nickerson WU7S Secretary

SARC CONSTANTS:

SARC is a 501 (c)(3) club. That means all donations are fully tax deductible. Contact Paul Jorgenson, KE7HR at 602.992.8043 for information on estate donations and equipment pick-up.

For membership information, call Gerald Jacques, W7EMU 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.



Public Service Calendar

EVENT	LOCATION	DATE
JROTC First Water	N of Apache Junction	12/05/15
Fiesta Bowl Half Marathon	Scottsdale Civic Center	12/13/15
XTERRA - White Tanks	Waddell	01/10/16
JROTC Lake Pleasant	W of Lake Pleasant	01/30/16
Runner's Den Pancake Run		02/07/16
	E Phoenix, Paradise Valley Mall	
XTERRA - McDowell Mountain		02/07/16
	Fort McDowell Regional Park (Fountain Hills)	
Black Canyon 100K	Dewey to New River	02/13/16
Lost Dutchman Marathon	Apache Junction	02/14/16
JROTC First Water	N of Apache Junction	02/27/16
Exterra Black Canyon City	Black Canyon City	03/06/16
Mesquite Canyon Trail Run		03/12/16
	White Tanks Regional Park (Waddell)	
ADA Tour de Cure	Reach 11 Sports Complex	03/19/16
Cave Creek Trail Run	Cave Creek	03/26/16
Crown King Scramble	Bradshaw Mountains	04/02/16
El Tour de Mesa	Mesa/Scottsdale	04/02/16

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

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

ADAW

Want Ads

Wanted - Rohn 25/45 gin pole.

Contact Ray, W7GNE - Home: 480.998.1893

ADAW

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W7GNE

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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.

Hanging Out on the HF Bands

This month's column will be about the recent ups and downs for the HF frequencies. We are still having our share of solar events which can play temporary havoc with our HF bands. But absent unusual solar activity (you can check it at www.spaceweather.com) the bands are actually pretty exciting. Case in point is the recent CQ WW SSB contest, the weekend of 24-25 October. The sun was behaving itself and this popular contest had 10, 15, 20 and the lower bands filled with stations. Except for 10 meters (where I ended up), it was QRM from one end to the other for 20 and 15 because of the hundreds of stations in the contest. Our own N9NA, John actually logged over 500 contacts in a 48 hour period (with time out for food and a little rest) during the contest. I managed to work two new countries during the contest and logged about 50 contacts myself. Not everyone likes contests but you can certainly set your own schedule and level of commitment and operate as much or as little as you like. Submission of logs is not mandatory unless you want to officially compete with your fellow hams.

The lesson to be learned is that, absent the sun misbehaving, the HF bands are still usually open during early morning, through the day and into the evening in this part of the year. If you tune around and don't find anyone on, try calling CQ for 10 minutes and see who shows up. You can also check a spotting web site like www.dxwatch.com to see who is being reported as being heard in the US. Be sure to construct a filter so that you are only getting spots (de) from US stations.

So get that antenna up and tuned and spend some time with your fellow hams on our HF frequencies.

You'll have fun.

And send in your HF adventures so we can consider them for publication.

Richard, W7MDQ



Happy Hanukkah



Emergency Communications Since 1961

SHORT SKIP

Annual Palo Verde Siren Test

For three of us (Alex, Mike and Ray), this test began at Estrella Reginal Park the night before. With pizza and beer as fuel, we set up a portable station in my little Casita. Alex, K7AEM (his vanity call this week) acting as the Estrella Park Mission Control, we all checked into the WVARC nightly net and spent the rest of the evening solving all the world's problems.

The WVARC was well represented. I think we outnumbered APS employees, the alphabet soup of local, state, federal, and possibly interplanetary governments. Those arriving early get to choose your favorite site. My choice was close - protecting a feed lot and a dairy. This year's test went off without a hitch. All sirens performed flawlessly.

At lunch, we were seated across from FEMA reps. Alex quizzed them on the emergency preparedness of the site. Buckeye airport is to be the center for first responders where they will be checked-out and decontaminated if needed; schools and community centers will serve local citizens.

My siren was loud and clear at 12 noon and again at 12:30 PM and my observation, the cattle were unaffected. May need to move this one closer to human settlements, hi hi.

73 de Ray W0IVB

Emergency Communications Class

We are working on our communications script for running an emergency net. What we need to do now is some practice runs to improve our proficiency with all of us being able to handle running an emergency net control station.

Del Webb hospital is setting up a spot for us in one of their cubicles for handling communications.

Real Estate

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

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

Test Sessions Report

West Valley ARC License Exams

Test sessions are held on the first Monday of each month, after the club's monthly meeting from 8:00 p.m. to 9:15 p.m. at St. Clements' Church Social Hall located at 15800 N. Del Webb Blvd. in Sun City. Walk-ins are always welcome.

Please bring photo identification, \$15.00 test fee in exact change, original and copies of any current license, any Certificates of Successful Completion of Examination (CSCE) you might have, and a pen and pencil.

For more information, please call Joe Cutitta W0SLL at 623.337.0040 or 623.215.2226.

Eleven candidates were examined at the November 2nd session with all eleven earning a General Class license.

DeVry University Test Sessions

The next exam session is Saturday, January 2, 2016. Exams start at 9:00 AM and all tests must be concluded by 11:00 AM. Check in at the library, second floor, southeast corner. Bring photo ID, original and photocopy of your Amateur License (if you have one) and any CSCEs, a pen and a pencil. Exam fee is \$15 - exact fee, examiners cannot make change.

Nine candidates were examined at the November 7th session at DeVry with five Technician Class, three General Class, and one Extra Class license being earned.

Administering VEs were:

David Morrill N7TWT Liaison, Bill Martin AI0D, Daniel Ford K2LH, Robert Miner KA7NPQ, Josh Montano WX7JM, Michael Corder K7MJC, Robert Fairfield, K7RQN, and Joe W0SLL and Verdamae KF7UJB Cutitta.

WVARC West Valley Amateur Radio Club Annual Auction

When: February 1, 2016 7:00 PM till?

Doors open at 5:00 PM for set up and registration

Where: St. Clements of Rome
15800 N Del Webb Blvd,
Sun City AZ 85351

(0.6-mile south of Bell Rd on the right side of Del Webb Blvd)

Open to all hams, no admission, no concessions, free parking. There is a Coke machine by the front door. Rules information available at registration desk. Cash, checks or credit card accepted.



Code Talker Presentation



Dr. Laura Tohe gave a praiseworthy presentation on the code talkers. Dr. Laura said in 1942, Philip Johnston was trying to come up with another code using Native American languages. He knew the perfect Native American language to utilize in a new, unbreakable code.

Johnston spent most of his childhood on a Navajo reservation where his parents served there as missionaries. He grew up learning the Navajo language and customs. Johnston became so fluent in the Navajo language that at age 9, he was asked to serve as an interpreter for a Navajo delegation sent to Washington, D.C. to lobby for Indian rights.

In spite of concerns about the security of a code based on a Native American language, the U.S. Marine Corps decided to give Johnston's idea a try. They approved a pilot project with 30 Navajos enlisting and to participate in the program.

No message delivered in the Navajo language was ever deciphered. Navajo Code Talkers served in the successful battles of Guadalcanal, Tarawa, Saipan, Iwo Jima, and Okinawa. Thirteen gave their lives in places like New Britain, Bougainville, Guam, and Peleliu.

Dr. Laura grew up in an Indian boarding school. The Indians were chastised for speaking their native tongue. Indian Boarding Schools remained in operation in the United States as late as the 1990s. The number of Native American children in the boarding schools reached a peak in the 1970s, with an estimated enrollment of 60,000 in 1973. Investigations of the later twentieth century have revealed many documented cases of sexual, manual, physical and mental abuse occurring at such schools.

In 1924, the US Congress passed the Indian Citizenship act which declared all non-citizen Indians born in the US to be citizens. However, because voting was considered a state's right, the states of Arizona and New Mexico kept Indians disenfranchised until 1948.

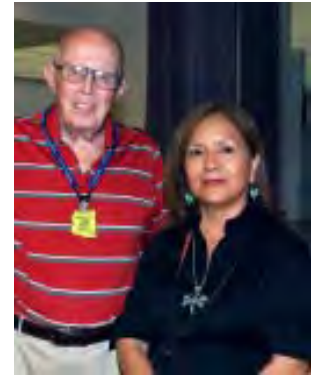
Because the Navajo reservation is located in the Southwest, primarily within the states of Arizona and New Mexico, the Navajo Code Talkers did not even have the right to vote when they were serving this country.

After the war, the original Code Talkers quietly returned to the Navajo Reservation and never spoke of the mission they completed until the late 1960s.

Dr. Laura mentioned that the hard work of the Navajo code talkers was not recognized until after the declassification of the operation in 1968. President Ronald Reagan gave the Code Talkers a Certificate of Recognition and declared August 14 "Navajo Code Talkers Day" in 1982. In 2000, President Bill Clinton signed a law which awarded the Congressional Gold Medal to the original 29 Code Talkers. President George W. Bush presented the medals to the four surviving Code Talkers

at a ceremony held in the Capitol Rotunda in Washington in July 2001.

Roger Thacker KD0MD and Laura Tohe



Thanks to Roger Thacker KD0MD, Jim Dukarich WA8OSS and Dr. Laura Tohe, our presenter from Department of English, Arizona State University in Tempe, Arizona for making this a special night for us at the West Valley Amateur Radio Club.

Following are some photos of how the Navajo life and culture was changed to look like the White man.



Tom Torlino, a Navajo teenager.



Henry Standing Bear, Wounded Yellow Robe and Chauncy Yellow Robe (Sioux boys as they entered the school and three years later)



Carlisle Indian Boarding School Carlisle, Pennsylvania

ANAHEIM, CA
(Near Disneyland)
933 N. Euclid St., 92801
(714) 533-7373
(800) 854-6046
Janet, KL7MF, Mgr.
anaheim@hamradio.com

BURBANK, CA
1525 W. Magnolia Bl., 91506
(818) 842-1786
(877) 892-1748
Eric, K6EJC, Mgr.
Magnolia between
S. Victory & Buena Vista
burbank@hamradio.com

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

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Hwy. 163 & Claremont Mesa
sandiego@hamradio.com

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sunnyvale@hamradio.com

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(800) 644-4476
Ken, N2OHD, Mgr.
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97223
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(800) 765-4267
Leon, W7AD, Mgr.
Tigard-99W exit
from Hwy. 5 & 217
portland@hamradio.com

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(800) 444-9476
John W0IG, Mgr.
denver@hamradio.com

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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
(Near Washington D.C.)
14803 Build America Dr.
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
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NEW

FT1DR C4FM FDMA 144/430 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

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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!



NEW

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

NEW

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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Superstition Amateur Radio Club

SuperFest 2015



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



GRAND PRIZE RAFFLE



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

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

HOURLY PRIZE RAFFLE

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

ACTIVITIES

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

Tailgaters/Commercial Vendors

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

Event Admission

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



DXCC Card Checking

Thunderbird Hamfest 2016

Saturday, January 9, 2016

Outside - Tailgating

**Thunderbird Amateur Radio Club,
Amateur Radio Council of Arizona,
And ARRL Sponsored Event**

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 9, 2016

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

Cost:

Vendor: \$10.00 per Parking Spot

General Admission: \$3.00 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
- DXCC Card Checking
- **No Firearms, Alcohol or Drugs Permitted**
- Please park in designated areas only
- **Snacks and beverages will be available for purchase on site**



An ARRL Specialty Convention

QUARTZFEST 2016

The largest ham radio gathering bringing together:

- ✓ Mobile Antenna Systems
- ✓ Mobile Radio Systems Education
- ✓ Portable and Mobile EMCOMM
- ✓ Daily 1-Hour Ham Radio Seminars
- ✓ Alternative Energy Technology
- ✓ RVs and Off-the-Grid Living
- ✓ Mobile Ham Shacks
- ✓ Fun for the Whole Family

and So Much More! ...

January 17th to 23rd, 2016
Quartzsite, Arizona, USA

Q16



What is QuartzFest?

QuartzFest 2016 is an ARRL Specialty Convention being held January 17 to 23, 2016. No other hamfest in the world brings together in one gathering so much innovation in mobile antenna systems, mobile ham shacks, recreational vehicles, portable and mobile EMCOMM systems, off-the-grid living, alternative energy and radio education.

QuartzFest is special in part because it comes to life each year, rising from nothing in a remote area of the Sonoran desert in the southwestern USA. Hundreds of Hams and their families and friends choose to unplug from their daily lives, travel to and setup this desert community, and immerse themselves in this week-long one-of-a-kind ham radio, camping, learning and living event.

The educational classes at QuartzFest offer something for everyone including those new to ham radio or even the most seasoned veteran. They give participants the chance to put hands-on the latest technology, learn ham radio for the first time, study advanced radio theory and to even take a glimpse into the future of radio science. The learning also continues well-beyond the technical lectures all the way from morning coffee... through social events, music, arts and crafts classes during the day... and into the evening while sitting around the campfire or while star-gazing.



We hope you will decide to join us in 2016 which promises to be one of the most exciting editions of this very unique and special ham radio gathering. 73,

The QuartzFest Planning Committee

An ARRL Specialty Convention

QUARTZFEST 2016

... and Much More!

Quartzfest is a "must-see" activity for anyone in ham radio but its unique desert setting and warm climate offers much more for the entire family:

- | | |
|-----------------|-----------------------|
| ✓ Stargazing | ✓ Campfires & Music |
| ✓ Rock Hounding | ✓ Arts & Crafts |
| ✓ Off-Roading | ✓ Hiking & Tai Chi |
| ✓ Geocaching | ✓ Cooking Classes |
| ✓ Group Dinners | ✓ Children's Programs |



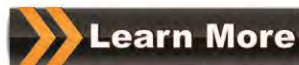
other nearby attractions

- Quartzsite Sports, Vacation & RV Show
- International Rock, Gem & Mineral Show

Where is it?



Quartzfest is held every year in the Sonoran desert on government land just south of the city of Quartzsite, Arizona in the USA. Participation is always **FREE** and camping is **FREE** for up to 14 days!



www.QuartzFest.org



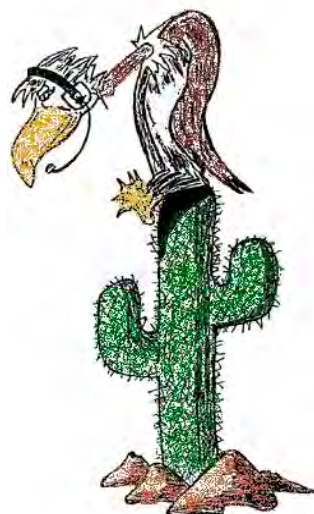
2016 SW Division Convention

Yuma Hamfest

Yuma, Arizona

Feb. 19 & 20, 2016

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



www.yumahamfest.org

Check the Website for Additional Information

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

**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)
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Hamfest Talk-In Frequency: 146.840 (–) PL 88.5 Hz

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



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

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



Presented by the Yuma Amateur Radio Hamfest Organization

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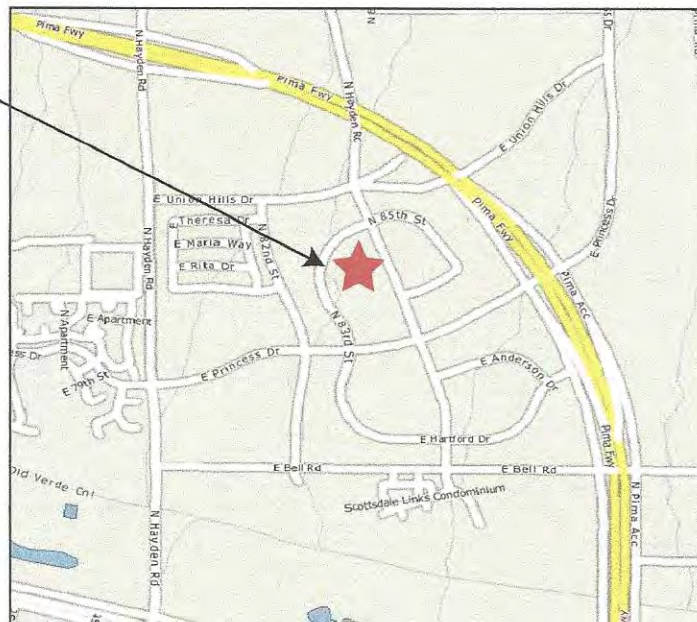
**SATURDAY
MARCH 19, 2016**

6:00 AM TO 12:00 NOON

RV PARKING \$10
GENERAL ENTRY \$5
REFRESHMENTS
RAFFLE PRIZES

**TAILGATE/SALES 2 SPACES \$20
VENDOR/TAILGATE SET-UP TIME 5:30 AM
VE TESTING (ADDITIONAL TESTING FEE)
ARCA MEETING AT 11:00 AM**

SPRINGFEST HERE



SCOTTSDALE BIBLE CHURCH - MOUNTAIN VALLEY CAMPUS
VENDORS: 17800 NORTH PERIMETER DRIVE
GENERAL ADMISSION: USE N. 83RD STR ENTRANCE
SCOTTSDALE, AZ 85255-5449
FOR MORE INFORMATION: SCOTTSDALEARC.ORG
NO GUNS - NO DRUGS - NO ALCOHOL
CALL IN FREQUENCY 147.180 MHZ + OFFSET AND A 162.2 HZ PL





RST

*Radio
Society of Tucson*

TUCSON SPRING HAMFEST

Saturday, March 26, 2016

6 A.M. - 11 A.M.

FREE ADMISSION & PARKING!

Map and information: www.k7rst.org



- Seller set-up starts at 5:00 A.M.
- Vendors/Tailgaters pay \$10 per space

- ★ PRIZES: (1st) 50W Dual-band Mobile Transceiver
- ★ (2nd) Dual-band Hand-held Transceiver
- ★ Raffle Tickets: \$2 each... 3 for \$5... 7 for \$10!
- ★ Free VE Testing (get licensed – all levels)
- ★ GOTA Station (demo fun – Get on the Air!)
- ★ Hot Coffee, Tea & Donuts Available
- ★ Card checking by Ron Cade/W6QZ

NEW LOCATION LOCATION!!!!

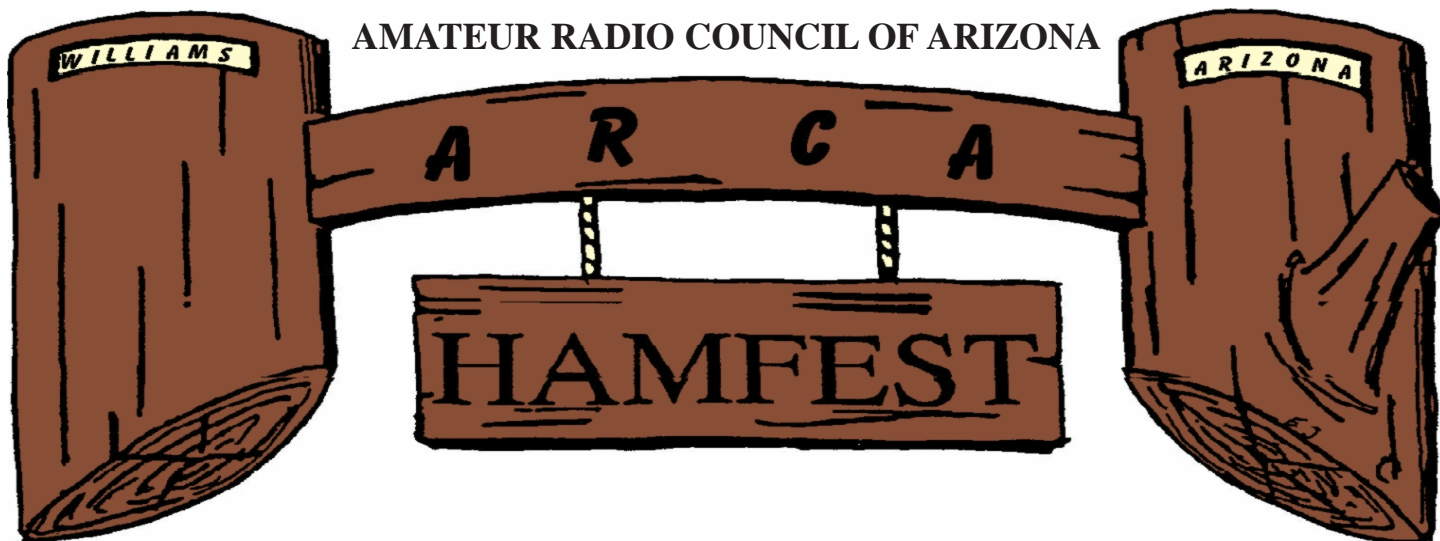
Target

**9615 E. Old Spanish Trail
Tucson, AZ 85748
*****North parking lot******



TARGET

Talk-in:
Repeaters
146.800
PL 156.7
or
145.250
PL 156.7



2016 ARCA / WILLIAMS HAMFEST JULY 22, 23 & 24, 2016



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



WILLIAMS RODEO GROUNDS, RODEO ROAD, WILLIAMS, AZ

GATES OPEN AT NOON THURSDAY, JULY 23 FOR SET-UP.

HAMFEST OPENS AT DAWN FRIDAY, JULY 24.

FREE ADMISSION!

JULY 24, 2016 - GRAND CANYON TRAIN TRIP

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

PRIZES

DOOR PRIZES EVERY HOUR
RAFFLE TICKETS

SATURDAY NIGHT BBQ DINNER
AT RAILSIDE RV RANCH

RESERVATION INFORMATION
available soon

SUNDAY GRAND CANYON TRAIN
TRIP



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

Talk-In - 146.78 - (91.5 Pl)

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

ADVANCED NOTICE

ADVANCED NOTICE

WELCOME TO COPAFEST 2016

Maricopa Amateur Radio Association, Inc.



**ARRL
2016
Arizona
State
Convention**

Maricopa, Arizona - October 21-22, 2016

Arizona State Convention in the Desert *October 21 & 22, 2016*

16000 Maricopa Road, Maricopa AZ
Click [HERE](#) for map

Hamfest setup Saturday 5:00 am, Event opens at 7:00 am

Indoor Spaces - Prices to be announced.

Outdoor Spaces - Prices to be announced.

Vendors Pre-Register

[HERE](#)

Fest@Copahams.Org

Friday evening event to be announced.

Special Event Station – W7M,

ANSR Balloon Launch, Interesting Seminars, VE Testing, Hourly Prizes, Food, Drinks & Entertainment Available On Site At UltraStar Center.

ORO VALLEY ARC



HAMFEST

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

November 12, 2016

**Marana Middle School
11285 West Grier Road
Marana Arizona 85653**

Mark your calendars.

Send questions to hamfest@tucsonhamradio.org