

4529 W. Park Place Glendale, AZ 85306-1512







Arizona Desert Aire Waves

Vol 41, No 1

January 2016

CLUB MEETINGS SCHEDULE

SARC

Jan 6th Scottsdale Senior Center 7:00 PM

OPRC

Jan 13th Marshall Conference Ctr at Tucson Medical Ctr 7:15 PM **AARC**

Jan 14th Red Cross Bldg. - Phx 7:30 PM

TBARC

Jan 21st North Phoenix Campus Northern Arizona University 7:00 PM

CLUB MEETINGS SCHEDULE

CARL

Jan 16th AZ Science Center 10:00 AM

QCWA

Jan 9th Horny Toad Restaurant Carefree 11:00 AM

SuperstitionARC

Jan 19th Mesa Utilities Building 7:00 PM

MARCA

Jan 19th Denny's Restaurant - Tempe 6:30 PM ARDG

Every Wednesday Phoenix Country Day School 11:10 AM

WVARC

Jan 4th St Clement Catholic Church Social Hall 7:00 PM

ARA

Jan 28th Denny's Restaurant - Tempe 7:30 PM

MARA

Jan 30th Barrow's Pizza 9:00 AM

ADAW Member Clubs

ARIZONA AMATEUR RADIO CLUB

The Arizona Amateur Radio Club meets on the **SECOND THURS-DAY** 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	W0SLL	623.215.2226
Secretary	Rosemary Kydd	N7PLN	623.980.7282
Treasurer	Bob Hodges	K7JJT	602.375.9982
Activities Mgr	Lori Cripps	WA7EDI	
Membership	Bob Hodges	K7JJT	602.375.9982

AARC c/o Bob Hodges, K7JJT, 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 ADAW 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
QSLLogbook	Skip Moretti	K7OAH	602.952.2649

Web Master, ARCA Rep - Roger Buel, W9NCQ - 602.493.7242 For information: Email to <u>carl@w7asc.org</u> or call Bob Burleson, KG7QJ at 480.961.1109. Web Site: <u>http://www.w7asc.org</u>

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 <u>every Tuesday night</u> at 7:00 p.m. on the 147.78/.18 repeater.

catci.			
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	s: Bill Price	N7GUO	
	CliffHauser	KD6XH	
	Jim Ulmer	KC7THU	
	Lin Donnelly	KF7CNR	
WebMaster	Ted Willis	AA7HX	520.790.3828
	(www.oprc.org)		
Trustees: (all re	epeaters operating	under the K7	TRA call)
Primary	CliffHauser	KD6XH	
	146.660, 146.820,	147.220-	
	Paul VanBeverho	oudt KA7LFX	224.06+
Secondary	Ted Willis	AA7HX	146.66-
	Ralph Turk	W7HSG	146.82-
	Paul VanBeverho	oudt 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 evey 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.k7mrg.org. Dues: \$20.00 per year, due prior to July 1. MEM-BERSHIP YEAR - July 1 - June 30.

ADAW Member Clubs

THUNDERBIRD AMATEUR RADIO CLUB

The Thunderbird Amateur Radio Club meets the **THIRD THURS-DAY** 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	Gary Cline	AF7BJ	
Treasurer	Darren Johnson	AF7CO	
Board Members	Jim Moore	WB7ENX	
	Rick Tejera	K7TEJ	
	Joe Arnold	AD0X	
	Andrew Cornwal	1 KF7CCC	
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 WEDNES-DAY** at 11:10 a.m. on the Phoenix Country Day School campus located at 3901 E Stanford Dr., Paradise Valley.

President	BenjaminLee	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 a	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.

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	Jeff Harris	KD2DFE
Treasurer	Douglas Mitchell	W7ADD
Board Members:	Brian Betz	W7JET
	Dale Schmidt	N7QJK
	Dan De Vlieger	KC7MSU
	J.D. Smaylis	KF7VOX
	Andy Keels	KD4ABB
	Charlie Brown	NJ7V
	Steve Gurley	KY7W

Superstition ARC, 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, Cun 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 8 pm 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, KA	7UND jha	veronsr@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	W0SLL	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.

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. Vistors 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.

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

ADAW Member Clubs

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.

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	Brian McCarthy, N7TU	Q n7tuq@w7ara.net
Treasurer	Erv Heimbuck, K0OTZ	k0otz@w7ara.net
Secretary	Jim Hoff, N7XXX	n7xxx@w7ara.net
Board Members:		
Lance H	alle, KW7LH	kw7lh@w7ara.net
Dennis Bietry, KE7EJF		ke7elf@w7ara.net
Doug Pelley, WB7TUJ		wb7tuj@w7ara.net
Joe Godfrey, AE7JG		ae7jg@w7ara.net
Dennis Campbell, AE7WU		ae7wu@w7ara.net
Mike Montalvo, KF7MBK		kf7mbk@w7ara.net
Marty D	usenberry, KE7DGP	ke7dgp@w7ara.net
James V	Vasson, N7ELL	n7ell@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 http://w7ara.org/mbr/Membership.aspx. Dues are \$18/yr. (Jan. 1 through Dec. 31) with a one-time initiation fee of \$10. Life and family memberships are available.

The <u>Arizona Desert Aire Waves</u> 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**

Hanging Out on the HF Bands

Serendipity means a "fortunate happenstance" or "pleasant surprise." The HF Bands can provide such moments. I experienced one of them on the HF bands just last month.

I was working Japanese stations on 15 Meters as part of the JA Contest running on a November weekend when notice a huge pile up around 21.300 on my transceiver's spectrum display. I tuned down to see what was up. Well, it had nothing to do with the JA contest. It was a pile up for a rare DX Expedition to Willis Island (VK9WA) off the coast of Australia. They were number 32 in the world on the most desired DX Expedition list. I had no hope of busting through that pile up on 15, but in looking at my DX spotting web site (www.dxwatch.com) noticed the VK9 being spotted on 10 meters. I got on the 10 Meter frequency, gave him a call and he came back to me the first time. Evidently they had just gotten set up on 10 Meters and had not attracted a pile up yet.

So with my 500 watts and attic beam I was able to work him. Serendipity indeed! Loads of fun! And bragging rights to boot.

So, if you haven't done so lately, give HF a try. Maybe serendipity will visit you too.

Richard W7MDQ

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MARCA EDITOR				
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ADAW WEBSITE	www.adaw.o	org		

FROM THE EDITOR'S DESK

Happy New Year!

Just a short note from me this month. ADAW enters its 41st year this year and I'm excited to see where the new year will lead us. Thanks to everyone who makes this newsletter possible. I look forward to working with all of you in the year to come.

The Superstition SuperFest Hamfest was well attended and lots of fun. Did you get to attend? I've put together some of the pictures from the event to share with you. Look on page 13. Many thanks to Lori Cripps, WA7EDI for the great pictures. The Superstition SuperFest is held every year on the first Saturday of December. So if you missed this one, mark your calendars for next year. You'll enjoy it!

The Thunderbird Amateur Radio Club is gearing up for their annual event to be held on January 9 at the Northwest Community Church on 43rd Avenue in Phoenix. I heard that they are adding seminars this year. More for you to do than just shop. Although, searching through all the treasures (and not quite treasures) is an adventure itself. One note though: Hours for the event are from 8:00 AM until noon. Vendors can get there at 7:00 AM to set up, and camping is permitted after 5:00 PM on Friday. Hope to see you there.

ANSR (Arizona Near Space Research) will be holding a balloon launch at the 2016 Southwestern Division Convention/Yuma Hamfest in February. Launch time is scheduled for 9:00 AM on Saturday, February 20, 2016, weather and atmospheric conditions allowing. If attending the SW Division convention is on your agenda for February, don't miss the launch. The launch and tracking are fascinating.

Another matter that has come to the attention of amateurs in the state is the dilemma facing Explorer Post 599. For those of you who are unfamiliar with the group, Explorer Post 599 is a Boy Scout troop with emphasis on Amateur Radio. Many of the current leaders of the Amateur Radio Community in Arizona were once part of the Post. The post and its members have contributed so much to the community and to our hobby.

Their dilemma stems from the fact that they do not have enough members to renew their charter with the Boy Scouts of America. They need more members. If you know of a young person who might be interested, please encourage them to check out the Post. Contact Tom Sharp, WA9OXY at wa9oxy@arrl.net or Steve Kafka, W7SGK at steve.w7sgk@gmail.com for more information and how you can help.

That's all from me this month. Hope your Christmas (or whatever holiday you celebrate) was wonderful and your New Year is spectacular.

73, Chris, N7PVL

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.

January Test Sessions

Jan 4th - AARC & WVARC -- 8:00 PM St. Clement Church, 15800 N Del Webb Blvd, Sun City Contact - Joseph Cutitta 623.215.2226

Jan 9th - Thunderbird ARC -- 10:00 AM

Northwest Community Church, 16615 N 43rd Ave, Phoenix
Contact - James Skinnell 602.826.1949

Jan 9th - Yavapai ARC -- 9:00 AM
Jeep Posse Bldg in Pioneer Park, 1200 Commerce Dr, Prescott
Contact - Donald Bauer 928.775.4690
Pre-Reg on-line: www.w7yc.org

Jan 11th - Radio Society of Tucson -- 7:00 PM
Pima Emergency Communications Operations Ctr
3434 E 22nd St, Tucson
Contact - Diane Zimmerman 520.219.0452

Jan 16th - Coconino ARC -- 9:00 AM

North Country Healthcare Boardroom, 2920 N 4th St, Flagstaff

Contact - Roderick Martin 928.527.1139

Jan 16th - Unsponsored -- 10:00 AM
Kingman Middle School, 1969 Detroit Ave, Rm 310, Kingman
Contact - Daniel Miller 928,897,3883

Jan 18th - East Valley VE Team -- 6:00 PM
City of Mesa Utilities, 640 N Mesa Dr, Mesa
Contact - Fred Bollinger 480.242.8606

Jan 19th - Boy Scout Troop 127 -- 8:00 PM St Francis Xavier School, 4715 N Central Ave, Phoenix Contact - John Kelley 602.264.6854

Jan 23rd - 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



WHAT WILL YOU DO FOR HAM RADIO IN 2016?

That is not an idle question. Your hobby has given you much pleasure, social contacts and diversion, ever since you earned your license. The more that you become involved, the more that you receive from it.

This newsletter has made that point in the most recent issue ... Volunteers at W7ASC learn more than they teach. It is almost embarrassing to receive compliments, on air, from other operators who express thanks to the volunteers for what they are doing. Little do those distant stations realize that volunteering, at the Arizona Science Center, is great fun and very satisfying. Your faithful scribe continues to be amazed at how little the general public understands about Ham radio and how much misinformation is expressed on a regular basis. We all need to DO SOMETHING to improve communication between licensees and the general public. At times we are our own worst enemy! We love our technology, so it saturates our conversation. Visitors to the Ham shack hear about megahertz, propagation, sideband, and PSK31. As someone once said, when I ask you the time, that does not mean that I am interested in learning how to build a watch. Ham-speak is almost that bad to the ears of the general public.

Pull out your license – read the title. We are the Amateur Radio SERVICE. We should agree to talk about the service component of our activities, not the antenna construction. If you choose to write to a politician asking for support for Amateur Radio, try not to frame the correspondence in terms of what you want, but how much better we could serve the community given a certain set of conditions. When we say that Ham radio is there when all else fails, that gives the impression that we have no role in our community unless and until there has been a failure or outage of some kind. Is that really all that you do for the community? We think not.

The Maricopa County Emergency Communication Group (MCECG), as an example, can be found at many non-emergency events helping to coordinate the event with communication. And how about the Siren Test team that keeps the Palo Verde generating plant in compliance with the requirement that they test the sirens. Perhaps the MCECG should come up with a more broadband name! If you, dear reader, can think of a more positive sounding name, send it to me and it will be included in the next newsletter.

Continued Next Column

CARL Continued from Previous Column

The frequencies that we use are not written into the Constitution. You will not find a reference in the Scriptures. It is important to contribute to the ARRL Frequency Defense fund, but that is but a feather in the wind if some interest group with deeper pockets and a louder voice wants some, or all, of those frequencies for their own activity. Unless Ham radio has developed an overwhelming constituency, we will be just a memory. What to do? To paraphrase President Kennedy, "Ask not what Ham radio can do for you, ask, instead, what you can do for Ham radio."

Those of you who read this newsletter should expect to find more on this topic through the year. Start spreading the word, about the service that we provide by volunteering at W7ASC or some other Ham activity that interfaces with the general public. Take every opportunity to speak about our Public Service, and do not forget to mention the price. We are amazed at the reaction when we mention that no taxpayer funds pay for these services.

Call Bob KG7QJ and beg him to get you on the schedule. If you ask very politely, he might come thorough for you. His phone number is 480-961-1109. If you would like to help Bob with the Technician license classes that are held at the Arizona Science Center, that is another fun activity. Bob is the schoolmaster for this activity, so mention your interest when you are begging for a volunteer slot.

Your faithful scribe invites feedback, either pro or con, is welcome.

73 de Jean W4CIH jeanjol@hotmail.com 480-664-7353

Resolutions from the ADAW JANUARY 2015 C.A.R.L. W7ASC NEWSLETTER

Resolution: Contact at least one inactive Ham neighbor, per month, and encourage them to get on the air.

Resolution: "Elmer" a new Ham. Tell us what you did.

Resolution: Send in a Ham story (on your W7ASC shift, visitors, how you got started in Ham radio, etc.)

Resolution: Send in at least 2 Ham/W7ASC related photos

Resolution: Send a list of Ham radio tools that you have found on-line





The Arizona Winter Hamfest season is on. January 17th - 23rd is Quartzfest. A must be experienced. Diversely experienced Hams meeting in the desert. It's a ham/family social event, a week of constant hamfest family activity, where many (not all) participants are RVers with a common interest; and build a small ham city in the desert south of Quartzite, Arizona. Attend in an RV, or stay in motel, or just drive out for a day(s). Check out their website at http://www.quartzfest.org/ and event schedule http://www.quartzfest.org/program.html. See you there.

I'm happy to report that all of the MARCA repeaters are operational. See http://www.w7mot.org/index.php/repeaters/repeater-map. If you experience a problem, there is a simple reporting page at http://www.w7mot.org/index.php/repeaters/report-a-repeater-problem.

Our Fusion repeater, W7MOT-37, 147.940 MHz, digital & analog is live at our test site a few miles from its planned permanent location. Coverage is about 20 miles. (Listed on a repeater map under Scottsdale GD.).

A new antenna is always exciting and fun. Historically, CCDs never caught on, based on how many actually heard of them. Of those that have and don't have one, it's said they are too expensive, complex, fragile, gangly to handle, and require lots of real-estate (not HOA friendly). Just to look at one, it's intuitively obvious. All is True. These qualities are never mentioned by someone that own one. Instead they say it's the best performing dipole antenna with non-compromising performance and versatile installation configurations.

Being a happy hamfest cruiser always on the lookout for an interesting antenna, a few years ago I came across a tailgater selling two! CCD antennas, 20M & 40M. They looked extremely weathered like a very long heavy duty deep sea fishing stringer with hundreds of snagging fish hooks. Not knowing much about them, I was given an unbelievable story of performance. They looked intriguing, I smiled, dug deep into my wallet, and they followed me home. After several years coiled up in the garage, that story came to mind as a potential simple solution, as I struggled with a SDR QRP problem; an antenna that would improve my 200 mWatt xmt signal at the far end, and improve my received SNR.

Researching; the CCD, Controlled Current Distribution, makes sense in theory. Realistically; CCDs are complicated to

Continued Next Column

MARCA Continued from Previous Column

design; not as straight forward as wire dipoles; not easy to construct; and are fragile with more break/failure points.

Being a well used and weathered antenna, I began by testing all the capacitors, solder points, wire segments, overall dimensions, and physical stress points. Fortunately, I have the space for the optimum configuration stretched out straight 40M full wavelength dipole. Unfortunately, the center is only 30ft & ends 20ft ABG. What luck, or by plan, this CCD will replace a 40M half wave wire dipole using the same physical mounting points. I can now measure performance differences, while holding constant many variables including feedline to radio.



Results; the CCD improved my xmt signal reports, SNR, by more than 2dbm (TOD & distant stations held constant). Received signals also measured better than 2 dbm, with noise floor remaining same. This may not sound like much improvement to a ham running 10's of 100's of Watts or interested in weak in the noise signals, but it opens more of the world to QRP, SDR, and weak signal operations.

Recommendation to those interested in weak signals or QRP with small footprint, postage stamp, locations, the CCD may offer solutions equal to half wave wire antenna. CCD by nature, is not affected by near object coupling to structures. Meaning, a CCD can be hung from metal gutters, around corners, stucco structures with wire mesh backing, on roof tiles, around block fences (duct tape), and even squiggled out lying on the ground; all performing equal to a half wave wire dipole at 30ft. Keep in mind, physical orientation does affect optimum antenna directionality. I've tested these solutions with measurements equal to or better than my original dipole.

I'm not aware of anyone commercially manufacturing CCD dipole antennas. CCDs are not the only antenna that can outperform a wire dipole, but consider the CCD antenna for your antenna farm arsenal.

Checkout our website <u>www.w7mot.org</u> for meeting dates, agenda, and guest speakers. If you find something interesting, visit one of our meetings, everyone is welcome.

Norm Johnson, aa7oo Secretary MARCA





Yes, the AARC is a very hard working group. We put out a great deal of effort to have a top notch hamfest in April. We work long hours to have a great field day. We have great programs at meetings. But the second Thursday in December, we REALLY shine!! Our Christmas party brings out the finest talents of the cooks in the club, and they do an excellent job of supplementing the ham and turkey that the club provides. Verdamae Cutitta, K7UJB, as in the past, set up a beautiful table, and we all anticipated her chocolate fountain with the marshmallows and strawberries to dip in it. Her efforts are certainly appreciated!! Besides being an excellent cook, she has a flair for making the official Red Cross Clara Barton room look festive. This very special evening is a time when we sincerely appreciate the camaraderie of this very special organization. It's a time to relax with our friends.

Our entertainment for the evening? Bingo has become a tradition that has lasted for several years, and this year was no different. Champion bingo winners were Ingrid Geissler, W7ISG; Mike Zachery, KG7OSR; Linda Sitterley, W7POF; and Earl Woody, KD7ZXU.

With the new year on its way, we are looking forward to a great 2016. You are welcome to join us on the second Thursday of each month and at our hamfest and field day. The ADAW keeps the ham world advised of our activities, and we welcome you to the Arizona Amateur Radio Club.

73, Lori, WA7EDI

PS. Are we smarter than we were when we were novices? I don't know if I'm very smart, but I know that I did some very dumb things in those days. I'd be willing to tell you about the worst one if anyone else is willing to tell about theirs. (But I'm not brave enough do it alone!!) Let me know if you are willing to join the "we-were-dumb-novices" club.

-Lori





Jim Haveron & XYL, Bob Hodges, Bob Robb Rear Table: Reinhard & Ingrid Geissler, Sandy & Steve Tolnai



Bingo Winner: Ingrid Geissler



Sandy & Steve Tolnai



Bingo Winner: Mike Zachery



Bingo Winner: Linda Sitterley



Bingo Winner: Steve Tolnai



Friday PM, December 11, Bob, K7POF, went to the 147.280 MHZ downtown Phoenix repeater site and found the problem with the repeater. He changed out the defective unit. The repeater is back on and hopefully working normally.

Since Bob lives in the Prescott area and can't check the repeater out from there, he would appreciate it if those of you that can check it out would send him reports. His e-mail address is k7pof@verizon.net. I'm sure that members will respond to Bob's request for reports since this repeater is a very important link between the valley and the northern part of Arizona.

Lori, WA7EDI





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.



Last month, our club welcomed its newest member, 11-year-old Hunter Moore, KG7ZRD. Eleven-year-old Hunter passed his exam after taking the Technician Boot Camp. The son of Nathan Moore, K7NDM, and Katie Moore, KG7ZRL, he's a fifth grader at Maricopa Elementary School.

Like many scouts, Hunter became interested in amateur radio over the summer when looking for merit badge activities. Of course, the fact that his dad is an avid operator, who earned his license earlier this year, didn't hurt a bit. His parents say that Hunter liked to



talk on the radio since he was little, and now he has a license to communicate with the big kids. Passing the Technician exam is no small task, especially for an eleven-year-old. His mom, Katie, spent so much time helping her son study the license manual that she decided to take the test herself – and passed!

We have a feeling that the number of hams in the Moore family will keep on increasing. Hunter's older brother, Jens, is 14. His younger one, Cole, is eight, Neither boy had much interest in amateur radio until they saw Hunter operating his new Baofeng handheld, which he won last October at the Maricopa hamfest. One of the hardest things that Hunter ever had to do was put his radio on the shelf and look at it every day until he passed his license exam and got his call sign. Hunter has been heard on the Maricopa two meter repeater and on the Mesa trivia net. We're waiting to hear him on 20-meter CW.

Our group of Elmers and VEs work extra hard to make sure a youngster is ready for the exam. Some of those helping out included Bill Martin, AIOD, Bob Singer, W1RDS, Norm Fasoletos, K7NWF.

In other club news, we continue to work toward next year's ARRL Arizona State Convention. While it seems that it's a long way off, these events require a lot of advance planning. Facilities need to be booked early in order to be available. Funds need to be raised, donations acquired, speakers booked, etc. When you go to a hamfest or convention, take a minute to appreciate all of the planning and effort that went into making it happen.

Continued Next Column

Public Service Calendar

EVENT	LOCATION	DATE		
XTERRA - White Tanks	Waddell	01/10/16		
JROTC Lake Pleasent	W of Lake Pleasent	01/30/16		
Runner's Den Pancake Run		02/07/16		
E Phoenix, Paradise Valley Mall				
XTERRA - McDowell Mc	ountain	02/07/16		
Fort McDowell Regional Park (Fountain Hills)				
Black Canyon 100K		02/13/16		
Lost Dutchman Marathon	•	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 Comples	03/19/16		
Cave Creek Trail Run	Cave Creek	03/26/16		
Crown King Scramble	Bradshaw Mountins	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.



MARA Continued from Previous Column

Finally, visit our club web site at http://www.copahams.org. We also maintain an open forum at http://w6sdm.net/Forum/ for ham radio news and discussion. It's open to everyone.

Steve Miller

visit my web site and blog at w6sdm.net follow me on Twitter https://twitter.com/stevedmiller





Happy New Year! The ARA Board of Directors election results are in. Just under 200 ballots were returned and counted with Joe AE7JG, Dennis AE7WU, Virgil K7VZ, Mike KF7MBK, and Brian N7TUQ being elected for a 2016-2017 term. Returning to serve the second year of their term are Erv K0OTZ, Lance KW7LH, Dennis KE7EJF, Doug WB7TUJ, and Jim N7XXX. To round out the 12 member board, Marty KE7DGP and James N7ELL were voted to a 1-year term on the board. The 2016 officers will be Virgil K7VZ President, Brian N7TUQ Vice-President, Erv K0OTZ Treasurer, and Jim N7XXX Secretary.

We begin this year with 36 repeaters on 13 sites across Arizona. The number is even bigger when you include the portable repeater and grows to around 80 radios when you count link and control radios. Our main focus this year continues to be keeping those systems online. We already have several maintenance tasks on the horizon for the upcoming months. Just to name a few, we're still working on getting Mingus VHF added to Metrolink, Greens and Pinal both need roof work or replacement, Usery needed a little cabling/grounding cleanup, and we are planning on battery replacement at Pinal.

This starts the second year with ARA as a member of

ADAW. Several months, I struggled coming up with a topic and getting it submitted on time. To correct that, I hope to continue to provide information this year on happenings with the ARA that you should know about, supporting public service events, technical information on our repeaters, and digging up historical accounts from old Squelch Tails to share. If you're interested in helping out, contact me or attend one of our tech meetings.

As ballots went out in October, a constant complaint I heard was, AThere are eight names listed here, but I only know who one or two of those guys are.@ First, we'll now be listing the full 12 member board in the ADAW Member Clubs instead of just the four officers. I've also begun work on a 2-part, maybe 3-part, article written with information on each board member to help you get to know them. The ARA is more of a technical organization than a social club and

Continued Next Column

ARA Continued from Previous Column

some of the technical committee members are rarely heard on the air. Rag chewing isn't their thing. Instead, they're more often found with a soldering iron working on repairing or tuning up radios. We'll give them a chance to write about why they are a part of the ARA and what makes them tick. Stay tuned for that starting next month.

We had a great day at the Superstition Superfest in December. We're looking forward to attending the Thunderbird Hamfest in January, Yuma Hamfest and ARRLSW Division Convention in February, and Scottsdale Hamfest in March. I hope to get the ARA table setup at several other hamfests this year as well.

Virgil, K7VZ ARA President





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11

PATCHES - DECALS



It's getting close to the new year. Have you thought about what changes you're going to make? Maybe this is the year you learn Morse code, or try a foxhunt, or volunteer for a public service event, or finally get on HF. As a hobby, ham radio lets you cast your net very wide, or go very deep - or both! We've got all sorts in our club; odds are good you'll find at least one other person who's interested in your favorite aspect.

With the new year comes our yearly hamfest. This year looks like it will be a great one - we've added seminars to the mix, so you'll get a chance to learn about AllStar Link and High Altitude Ballooning. And we'll have everything we had last year: VE testing, DXCC card checking, lots of vendors, great door prizes, and snacks and beverages. We hope to see you on January 9 at Northwest Community Church, 16615 N. 43rd Ave, Phoenix, AZ 85053. Gates open at 7:00 a.m. for vendors (\$10/spot), and 8:00 a.m. for the general community (\$3/person). Look for the hamfest link on w7tbc.org for more details.

The recent election results were announced at the TBARC holiday dinner. Here's the new board:

President: Gary Duffield WK7B

Vice-President: Chris Johnson K6OZY

Secretary: Gary Cline AF7BJ

Treasurer: Darren Johnson AF7CO

Board Member 2015-2016: Jim Moore WB7ENX Board Member 2015-2016: Rick Tejera K7TEJ Board Member 2016-2017: Joe Arnold AD0X

Board Member 2016-2017: Andrew Cornwall KF7CCC

Immediate Past President: Walt Reinert NJ8G

Thanks to everyone who ran for a position this year, whether elected or not. It's people like you whose efforts keep our club strong and vibrant.

Also announced at the dinner was the TBARC Ham of the Year. This year, there were two of them. President Gary Duffield recognized Darren Johnson AF7CO for his willingness always to say "yes" to help the club, and Israel Vicente AD7ND for his invaluable contributions.

The TBARC Extra class has finished with eight newlyminted Extra-class licensees. Congratulations to everyone who upgraded!

Continued Next Column



CHAPTER 16 BARRYM, GOLDWATER ARIZONA CHAPTER

Happy New Year!

Have you been a ham for over 25 years? Join the Quarter Century Wireless Association (QCWA) and let everyone know of your accomplishment.

The next QCWA chapter meeting will be on January 9, 2016 at the Horny Toad Restaurant at 11:00 a.m.. We will have lunch followed by an excellent presentation by Clifford Hauser KD6XH on his DXpedition to West Somoa. The Horny Toad Restaurant is located at 6738 E. Cave Creek Road in Cave Creek AZ Look forward to seeing everyone there. Bring a friend. Please let me know if you plan on attending so we can let the restaurant know how many are attending.

We are still looking for a secretary/treasurer to replace Dave Hanson W7BJ who stepped down. If you are interested, please let me know.

Tom Fagan K7DF QCWA Arizona President k7df_tom@yahoo.com



TBARC Continued from Previous Column

The classes we put on are based on what our members want to learn. What would you like to see next? A General license course? A Morse code class? An "I just got my tech license now what do I do with it" course? If you have any suggestions, drop a line to our Education Committee chair, Andy Durbin K3WYC (course@w7tbc.org).

Have you been to a TBARC meeting yet? Why not join us? We'd love to see you there. Our meetings are held on the third Thursday of the month at the North Phoenix Campus of Northern Arizona University. It's near Greenway and I-17, starting at around 7:00 p.m.. See the club website at w7tbc.org for directions. Come in January to find out more about building EME (Earth-Moon-Earth) antennas with Jim Wzorek K1MEA. How big does an antenna have to be to hit the moon? Come and find out!

Andrew Cornwall, KF7CCC <u>kf7ccc@arrl.net</u>



















Pictures by Lori Cripps, WA7EDI



Happy New Year!

2015 was a banner year for the club. A lot of things were accomplished and upon those accomplishments, we can build an even better 2016.

Here is hoping your New Year will be a healthy and happy one.

Junque Auction Move to January Meeting beginning in 2016, on the 19th

Our Junque Auction has always been in November, but we have a lot going on with elections and preparation for the Hamfest at our November meeting.

With a meeting start time at 7:00 p.m. in the evening, we ask that auction item providers arrive by 6:20 p.m. and everyone else by 6:30 p.m. to preview the Junque! Bring your wallet for those things that you just cannot do without.

New People on the Board for 2016

Let's welcome Charlie Brown, NJ7V, Andy Keels, KD4ABB and Steve Gurley, KY7W. Steve has been in these shoes before. Last, but not least, welcome Jeff Harris, K2DFE, Mr. Secretary.

New on-air Morse Code Class Net beginning January 23 at 7:00 p.m. on 147.120

Larry, WB7C will teach Morse code from the ground up using handout sheets found on www.MorseCodeClassNet.com. For class details, as well as schedule changes, please see the class site. The class will air most Saturdays on the 147.120 repeater from Usery Pass.

As always, please check the club site for late news.

Last year, our January meeting got pushed back to the fourth week and Jerry Navarre, WA7RDC of Kanab, Utah, was able to attend a meeting of the club he co-founded back in the early 1970s. Checking the site for the latest news and potential schedule changes is recommended.

Superstition ARC 448.275 on Usery is not part of our link plans.

We have been showing this repeater as linked full time in the information box that accompanies the column, but I believe this month will show it correctly as a stand-alone repeater. We apologize for the error.

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SPSARC Continued from Previous Column

The 449.600 will be updated to show it as linked once the link is in operation.

SuperFest thanks everyone who attended to make it a success!

John Jacques, KD8PC sang some oldies around the Food Court and Mother Nature reigned supreme with a bright sunny day, warm and very little breeze.

I put together a collage of pictures showing JD Smaylis, KF7VOX spinning the drum, making a draw, and announcing the winning ticket number. Another picture shows one happy young man holding cardboard box #4 containing an assortment of items from the hourly drawing.

More pictures and the winners can be found on the Superstition SuperFest.org web site.

Larry Kuck, WB7C



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 Newsline.

East Valley Swap Net: Thursdays, 7:30 PM

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

National History.

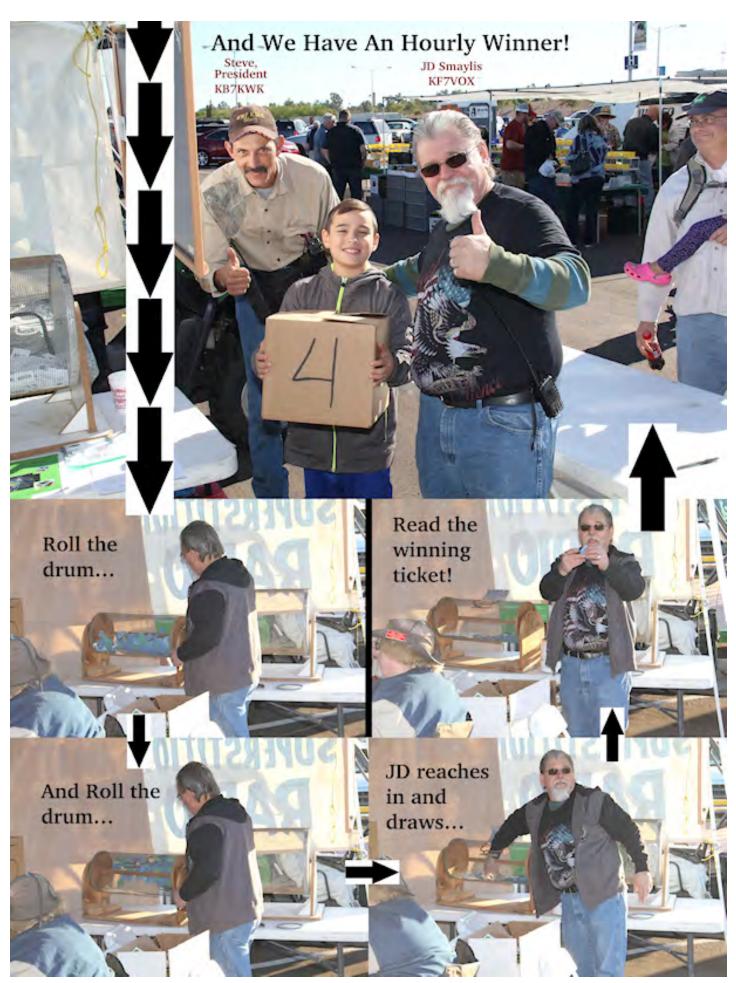
 $\textbf{10-Meter Rag Chew:} \ Thursdays \ 8:00\ PM, 28.465\ MHz\ USB$

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.



Hamfest Calendar

- 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, KD70ED at kd7oed@arrl.net for more information.

- 4 June 2016 White Mountain Hamfest hosted by the Kachina Amateur Radio Club. Date Tentative. Location and Time to be announced.
- 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 <u>w8rh@live.com</u> 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.





Old Pueblo Radio Club INTERMOD

President's Column

The final general meeting of the Old Pueblo Radio Club for 2015 was held on Wednesday, 9 December. Cliff, KD6XH, apprised the club of several up coming swap meets scheduled in early 2016. He also stated that the club's three repeaters are up and running. The club's license for W7GV will have to be renewed during 2016, but only within ninety days of expiration of the current license.

Election of officers was tabled until the 13 January 2016 meeting.

73 de Ron, N7SPW President, OPRC

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



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.



Want Ads

Wanted - Rohn 25/45 gin pole.

Contact Ray, W7GNE - Home: 480.998.1893







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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.

SCOTTSDALE AMATEUR RADIO CLUB, INC.



Club Station: W7UF

Club Repeaters: 147.78/.18 & 445.00/440.00

The December club meeting was our Christmas Banquet. It was held at the Scottsdale Community College Culinary Arts Desert Oasis dining room. Again this year, we celebrated with the





Motorola Amateur Radio Club of Arizona club members and we all enjoyed a superb gourmet dinner and much very pleasant conversation with old and new friends.



After the dinner, we all thanked the student chefs for their fine work. I am sure they are well on their way to a successful career.

career.



It is our custom to select a Ham of the Year and that duty falls to last year's ham of the year. Paul Jorgenson, KE7HR was our selection last year and he presented a fine review of the qualification for this year's recipient. He presented this year's Ham of the Year award to James Wasson, N7ELL. James has been very active in all contests and in numerous other activities. He is also our club president.



We also had another award to give. The Board of Directors decided to award a Life Membership to one of our great



members whose contributions to the club over the years have been outstanding. Paul Finell, W7EFQ, presented this award to Bob Johnsen, K7TR for all of the work he has performed for us.

The program for

the evening was by our new ham of the year, James Wasson, N7ELL. James is an engineer in the field of implantable electronic medical devices. He presented a phenomenal picture of the past and present devices that are saving many lives every day. He presented many ideas for future devices that we can all look forward to solving our maladies. That was a Great program, James.

Following the program we had a drawing for door prizes. Everyone enjoyed the rest of the evening wishing all a Merry Christmas. A special thank-you to Terry Cross, NK7T, for providing us with a lot of pictures. You can view them all on the club web site, www.scottsdalearc.org.

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

73 Ed Nickerson, WU7S - Secretary

SARCCONSTANTS:

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.





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SHORT SKIP

WVARC West Valley Amateur Radio Club Annual Auction

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

Doors open at 6:00 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.

For information, contact Ted, KB5OF at 623.910.9275.

New Members

Rafael Brito Reinhard Geissler Steven Rasbach Paula Schmitt Thomas Swanson Jerry Titus

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.

Call Larry, KE7JXQ L.E. Purchase Computer Consultants, Inc. 1-888-922-9295 or 602-863-0502

Emergency Preparedness Net 12-4-2015

With Ed, WA6PNJ as net control the topic of the evening was topics for future nets. Bob KG7FIL- Was concerned about 's and suggested Mylar rap for equipment & bubble wrap protection AE7CQ, Joe Suggested filling 2 liter bottles with drinking water. He recommended having solar panels, canned goods, batteries, toilet paper. He also thought that using sanitation pads and washing them out for reuse was a good idea.

N7YTI, Jim has no backup batteries and that some of the new houses seem to be blocking his signal to the repeater. Also, beer lasts longer than water.

KF7WWP, Roger has 5 days of water, MRE's, communications, compressed air and gen on bikes. Self-protection.

AF7UT Harry Requirement of water 1 gal / person / day. Replace water supplies, check list of need items. Food stores.

KG7EZP, DAVE emergency pot luck-water feed to the house.

VE3EBW, Hines fire evacuation plan basic power requirements, generators, compressed air, hybrid vehicle.

KD0MD, Roger. Power requirements if we lose all commercial power. Recommendations on what we want/willing to do. Limit comments on what we have for self-defense. Other club information we want to remain.

KF7MZP Chuck meds, sanitation, refrigeration for meds. Wb7x Marty Yaesu ht batteries.

Ray, W0IVB volunteered as unofficial scribe; hope I got it right?

Mike, K7MJC is working on a new script for the mid-month PE Net. He'll incorporate these thoughts into a list of topics that will be dynamic and change to accommodate new ideas. If you have ideas for topic, please e-mail: Ray: RAY42DAY@AOL.COM - Mike: AFMIKEC@COX.NET

73 de Ray, W0IVB



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

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 892-1748 Eric, K6EJC, Mar. Magnolia between S. Victory & Buena Vista burbank@hamradio.com

OAKLAND, CA

2210 Livingston St., 94606 (510) 534-5757 (877) 892-1745 Nick, AK6DX, Mgr. I-880 at 23rd Ave. ramp oakland@hamradio.com

SAN DIEGO, CA

5375 Kearny Villa Rd., 92123 (858) 560-4900 (877) 520-9623 Jerry, N5MCJ, Mgr. Hwy. 163 & Claremont Mesa sandiego@hamradio.com

SUNNYVALE, CA

510 Lawrence Exp. #102 (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, N20HD, 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. Iliff Ave. #9, 80231 (303) 745-7373 (800) 444-9476 John WØIG, 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

WOODBRIDGE, 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 (603) 898-3750 (800) 444-0047 Dave, N1EDU, Mgr. Exit 1, I-93; Exit 1, 1-93; 28 mi. No. of Boston salem@hamradio.com

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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

Call Now For Pricing!



FT-897D VHF/UHF/HF Transceiver

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

Call Now For Our Low Pricing!



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+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-400DR 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



C4FM FDMA 144/430 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

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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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



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
- ✓ Rock Hounding
- ✓ Off-Roading✓ Geocaching
- ✓ Geocacning
 ✓ Group Dinners
- ✓ Campfires & Music
- ✓ Arts & Crafts
- ✓ Hiking & Tai Chi
- ✓ Cooking Classes✓ 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, 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)
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.



SCOTTSDALE SPRINGFEST

SPONSORED BY ARCA AND THE SCOTTSDALE AMATEUR RADIO CLUB

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





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





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 ****

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

DVANCED NOTICE

DOOR PRIZES EVERY HOUR RAFFLETICKETS

SATURDAY NIGHT BBQ DINNER AT RAILSIDE RV RANCH

SUNDAY GRAND CANYON TRAIN TRIP

RESERVATION INFORMATION available soon

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

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

Talk-In - 146.78 - (91.5 Pl)

WELCOME TO COPAFEST 2016

Maricopa Amateur Radio Association, Inc.



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



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